

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| A HI    | 1113   | The Understanding of Art   | Explanation and analysis of the principles underlying the visual arts. Consideration of formal, historical and other factors in the valuation and enjoyment of painting, sculpture, architecture and utilitarian objects. (F, Sp, Su) [IV-AF]   |
| A HI    | 1999   | Lower Division Transfer Credit                                     | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| A HI    | 2014   | Introduction to Art History  | Students will be introduced to basic concepts in art and art history through a thematic study of global art. (Irreg.)   |
| A HI    | 2213   | Global Art I   | The visual arts from the prehistoric through the Renaissance. (F) [IV-AF]   |
| A HI    | 2223   | Global Art II  | The visual arts from the Renaissance to the present. (Sp) [IV-AF]   |
| A HI    | 2930   | Special Topics   | 2-6 hours.; Prerequisite: Permission of instructor. May be repeated with change of topic; maximum credit 12 hours. Courses in special topics not offered in the established curriculum. (Irreg.)  |
| A HI    | 2970   | Special Topics/Seminar   | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |
| A HI    | 3133   | Survey of Aegean Art and Architecture                              | Prerequisite: junior standing. Understanding of art and architecture of the Aegean civilization. The focus of the course will be on artistic production of the island of Crete and to a lesser extent Cycladic and Mycenaean achievements in the Bronze Age Greece. (alt. Sp) [IV-WC]   |
| A HI    | 3213   | Classical Art and Archaeology: Greek Art to the Death of Alexander | (Crosslisted with CL C 3213) Prerequisite: sophomore standing. Lectures, occasionally illustrated, and assigned readings. Survey of the architecture, sculpture, painting and minor arts in the Greek regions of the eastern Mediterranean in the successive stages of their development, with analyses of dominant styles and detailed study of select masterpieces and monuments. (F) [IV-AF]   |
| A HI    | 3223   | Classical Art and Archaeology: Hellenistic Greek Art; Roman Art    | (Crosslisted with CL C 3223) Prerequisite: sophomore standing. Continuation of 3213. Survey of Hellenistic art, with particular attention to the individuality of style and diversity of matter. Early Etruscan and Roman art. The development of Roman art in native and assimilated forms; studies in domestic and national monuments. (Sp) [IV-AF]   |
| A HI    | 3263   | Survey of Byzantine Art and Architecture                           | Prerequisite: junior standing A survey of Byzantine monuments from the foundation of Constantinople in 330 CE to its fall in 1453. (Sp-Alt) [IV-AF]   |
| A HI    | 3303   | Renaissance Art in Italy 1200-1600                                 | Prerequisite: junior standing. Focuses on Renaissance art and architecture in Italy from a social and cultural framework, beginning in the 1200's and ending around 1580. (Irreg.) [IV-WC]  |
| A HI    | 3313   | Art and Culture in Italy   | Prerequisite: permission of department: acceptance to "Journey to Italy". Taught on-site in Italy as part of the "Journey to Italy" summer program in Arezzo. Students will study art from ancient Roman through the Baroque, with special focus on the Renaissance. (Irreg.) [IV-WC]   |
| A HI    | 3353   | Northern Renaissance Art   | Prerequisite: junior standing. Painting, sculpture and architecture in Northern Europe from 1400-1600. The course will emphasize painting in Flanders, Germany and the Netherlands. (Irreg.) [IV-WC]  |
| A HI    | 3403   | Baroque Art and Architecture in Europe:1600-1700                   | Prerequisite: junior standing; Covers art and architecture in Europe in the seventeenth century, during the time period called the Baroque. (Irreg.) [IV-WC]  |
| A HI    | 3440   | Mentored Research Experience                                       | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| A HI    | 3603   | American Art   | Prerequisite: junior standing. American art from the colonial period to 1950. (Irreg.) [IV-WC]  |

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| A HI    | 3663   | Contemporary Art  | Prerequisite: Junior standing. Focuses on contemporary art of the world with a strong emphasis on art made since 1989. (Irreg.)   |
| A HI    | 3673   | History of Visual Communication                             | Prerequisite: junior standing. The history of visual communications and design from prehistoric times to the twentieth century. (Sp)  |
| A HI    | 3693   | New Media Art   | Prerequisite: Junior standing. This course covers new media - video, installation, performance, and digital media - and technology in art since 1950. (Irreg.)  |
| A HI    | 3733   | Art of the American West                                    | Prerequisite: ENGL 1213 and junior standing. An introduction to the art of the American West accompanied by close study of relevant primary and scholarly texts. Students will be responsible for active participation in class discussion and for a series of short papers and assessments designed to develop skills in writing and historical interpretation. (Irreg.)                           |
| A HI    | 3803   | Pre-Columbian Art & Architecture of Meso- and South America | Prerequisite: junior standing. An overview of Pre-Columbian art and architecture in Meso-America from Prehistoric times until the Spanish intervention in the early 1500s. (F-alternate) [IV-NW]  |
| A HI    | 3833   | Introduction to Native American Art                         | Prerequisite: Junior standing. Introduces students to the aesthetic achievements of the great geo-cultural traditions of Native North America: Woodlands, Plains, Southwest, Northwest Coast, and the Arctic. Ancient, historic, modern, and contemporary works of art are studied in their cultural, religious, and political contexts, emphasizing indigenous world views. (Irreg.)               |
| A HI    | 3853   | Survey of Asian Art   | Prerequisite: junior standing. A survey of the art of India, China, and Japan. (Irreg.) [IV-NW]   |
| A HI    | 3903   | Art History, Theory and Practice                            | Prerequisites: A HI 2213 or A HI 2223, and junior standing. Introduction to the theory and practice of Art History required for the major involving consideration of the field's history, exposure to historical and contemporary approaches to its practice, and training in art historical writing and critical and visual analysis.(Irreg.)  |
| A HI    | 3913   | American Visual Culture                                     | Prerequisites: junior standing. Explores approaches to American visual culture, an interdisciplinary area of inquiry that considers the role of visual experience in everyday life. These include photography, cinema, television, digital media, and public art. We examine the key theorists, methodologies, and cultural practices that have shaped the field of Visual Culture Studies.(Irreg.) |
| A HI    | 3960   | Honors Reading  | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| A HI    | 3970   | Honors Seminar  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| A HI    | 3980   | Honors Research   | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| A HI    | 3990   | Independent Study   | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| A HI    | 3999   | Upper Division Transfer Credit                              | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| A HI    | 4113   | Cycladic Art  | (Slashlisted with 5113) Prerequisite: junior standing. The Bronze Age culture of the Aegean Islands with special emphasis on Cycladic idols and monumental paintings on the island of Thera (Santorini). No student may earn credit for both 4113 and 5113. (Sp-alternate)  |
| A HI    | 4123   | Minoan Art and Architecture                                 | (Slashlisted with 5123) Prerequisite: junior standing. Examination and interpretation of Minoan palatial architecture and related art production on the island of Crete. No student may earn credit for both 4123 and 5123. (Sp-alternate)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| A HI    | 4143   | Mycenaean Art and Architecture                         | (Slashlisted with 5143) Prerequisite: junior standing. Art of mainland Greece with particular attention to Mycenaean settlements and funeral practices. No student may earn credit for both 4143 and 5143. (Sp-alternate)  |
| A HI    | 4163   | Etruscan Art   | (Slashlisted with 5163) Prerequisite: junior standing or permission of instructor. Examine and interpret selected works of Etruscan art in reference to the possible influences from the social, political, economic, literary, and religious "climate" of the time. No student may earn credit for both 4163 and 5163. (F) [IV-WC]  |
| A HI    | 4233   | Medieval Art I: Early Christian to c. 1100             | (Slashlisted with 5233) Prerequisite: junior standing. A study of Western art and architecture from the early Christian period (fourth century) through the Early Romanesque period (about 1100). Studies of Byzantine, Migratory, Insular, Hispano-Islamic, Carolingian and Ottonian art included. No student may earn credit for both 4233 and 5233. (Alt. F) [IV-WC]  |
| A HI    | 4273   | Byzantine Icons  | (Slashlisted with 5273) Prerequisite: junior standing. Byzantine images occupy a principal position at the heart of the Eastern Church and they are an organic part of daily services. The icon represents a vision of the invisible, and therefore a vision founded on divine knowledge which transforms the created work into the miracle working image. This Class will examine the challenging process of producing holiness and divinity through painting panels. No student may earn credit for both 4273 and 5273. (Irreg.) [IV-AF] |
| A HI    | 4343   | Italian Decorative Complexes                           | Prerequisite: junior standing or permission of instructor. Designed for art history and non-art history majors studying abroad in Italy. Explores the history of sculpture, architecture and painting produced in Italy with particular emphasis on the renaissance in Tuscany between c. 1250 to 1534. No student may earn credit for both 4343 and 5343. (Irreg.) [IV-WC]  |
| A HI    | 4353   | Northern Renaissance Art                               | Prerequisite: junior standing. Painting, sculpture and architecture in Northern Europe from 1400-1600. The course will emphasize painting in Flanders, Germany and the Netherlands. (Alt. F) [IV-WC]   |
| A HI    | 4373   | The Italian City: Renaissance and Baroque Architecture | (Slashlisted with 5373) Prerequisite: junior standing. Architecture and urban planning of Italy from about 1300-1700. Emphasis on the growth of the city and how new forms of social interaction affected the development of architecture and the urban setting. No student may earn credit for both 4373 and 5373. (Alt. F) [IV-WC]   |
| A HI    | 4383   | Italian Renaissance Art and Science                    | Prerequisite: junior standing. Focuses on the confluence of science and art in Renaissance Italy through a study of materials, process, technique and structural issues addressed by artists in the creation of painting, sculpture, and architectures. (Su) [IV-WC]   |
| A HI    | 4403   | Southern Baroque Art                                   | (Slashlisted with 5403) Prerequisite: junior standing. Italian painting, sculpture, and architecture from 1600-1700. This course will emphasize the effects of the Counter-Reformation on art and artists in Rome. No student may earn credit for both 4403 and 5403. (Irreg.) [IV-WC]   |
| A HI    | 4463   | Issues in Northern Baroque Art                         | (Slashlisted with 5463) Prerequisite: junior standing. Focuses on Northern Baroque art as case-study for examination of a variety of art historical methodologies and problems such as attribution, function, and meaning. No student may earn credit for both 4463 and 5463. (Irreg.)   |
| A HI    | 4503   | Art of the 18th Century: The Age of Enlightenment      | (Slashlisted with 5503) Prerequisite: junior standing. Emphasizes the interaction of art with scientific, literary, historic and philosophical innovations of the eighteenth century. Content includes painting, sculpture and architecture of Northern Europe. No student may earn credit for both 4503 and 5503. (Alt. Sp) [IV-WC]   |
| A HI    | 4553   | Nineteenth-Century Art                                 | (Slashlisted with 5553) Prerequisite: junior standing. European art from the French Revolution to 1900, with particular emphasis on developments in French painting. Brief consideration of parallel trends in American art. No student may earn credit for both 4553 and 5553. (Irreg.) [IV-WC]   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| A HI    | 4613   | Readings in Twentieth Century Art                         | (Slashlisted with 5613) Prerequisite: junior standing. Explores the cultural/intellectual context of the Fauves, German Expressionists, Cubists, Constructivists, Futurists, Dadas, Surrealists, etc., through artists' and critics' writings and manifestos as well as other arts such as poetry, drama and dance. Readings, presentations, and critical writings will be assigned. No student may earn credit for both 4613 and 5613. (Irreg.) [IV-WC]  |
| A HI    | 4633   | Modern Art: Cezanne to 1950                               | (Slashlisted with 5633) Prerequisite: junior standing. European art from Post-Impressionism to 1950, including some American developments. Emphasis on painting and sculpture, with some consideration of architecture. No student may earn credit for both 4633 and 5633. (Irreg.) [IV-WC]   |
| A HI    | 4643   | Art After Modernism                                       | (Slashlisted with 5643) Prerequisite: Junior standing. Examines the transition from modern to contemporary art in Europe and the United States between 1950 and 1989. No student may earn credit for both 4643 and 5643. (Irreg.)   |
| A HI    | 4653   | Art Since World War II                                    | (Slashlisted with 5653) Prerequisite: junior standing. Recent developments in art, both in the United States and abroad. No student may earn credit for both 4653 and 5653. (Irreg.) [IV-WC]  |
| A HI    | 4663   | Women in Contemporary Art                                 | (Slashlisted with 5663) Prerequisite: permission of instructor. Discussions concerning women's issues in contemporary art, current women artists and their art works. The notion of a "female sensibility" will be examined. Students will engage in individual and group presentations, both of artists and critical issues. Essay writing and preparation of bibliographies. No student may earn credit for both 4663 and 5663. (Irreg.) [IV-WC]  |
| A HI    | 4673   | Modern Sculpture  | (Slashlisted with 5673) Prerequisite: junior standing. A study of changing concepts in sculpture from neo-classicism to the present day. No student may earn credit for both 4673 and 5673. (Irreg.) [IV-WC]  |
| A HI    | 4683   | American Material Culture                                 | Prerequisite: junior standing. An interdisciplinary seminar addressing the significance of ordinary American objects (cell phones, storm shelters, pumpjacks, shotguns, ATM machines, lava lamps, food processors; the possibilities are nearly endless) taken as evidence of unconscious as well as conscious attitudes and beliefs, some specific to their original makers, users, owners and perceivers, others latent in the broader cultural milieu in which each object circulated or, indeed, circulates still. (Sp)   |
| A HI    | 4693   | World Modernisms  | (Slashlisted with 5693) Prerequisite: junior standing. Examines modernisms of the world between 1950 and 1989 with a strong emphasis on traditions outside the West. No student may earn credit for both 4693 and 5693. (Irreg.)  |
| A HI    | 4703   | History of Photography, 1839-1945                         | (Slashlisted with 5703) Prerequisite: junior standing. A survey of the history of photography from 1839 to 1945. Topics include photography as art; social, technical, mechanical, scientific and aesthetic factors in the development of the medium. No student may earn credit for both 4703 and 5703. (Irreg.) [IV-AF]   |
| A HI    | 4723   | Cinema of the American West: Then and Now                 | (Slashlisted with 5723) Prerequisite: junior standing. Provides a critical overview of cinema of the American West from the 1930s to present day. Through screenings and course readings, examines the underlying components of Western films, including issues of race, class, ethnicity, gender, sexuality and ideology. Also explores the influence of painting and photography on cinema, as filmmakers both reinforced and reshaped popular imaginings of the American West. No student may earn credit for both 4723 and 5723. (Irreg.)   |
| A HI    | 4743   | The American West in Art, Photography and Popular Culture | (Slashlisted with 5743) Prerequisite: junior standing or permission of instructor. Focuses on the study of the Trans-Mississippi West, as seen through the eyes of artists and photographers from the early 19th century until today. A variety of media will be discussed, including paintings, prints, photography, and sculpture. The purpose of the course will be primarily to study Euro-American artistic conventions/tradition and how they have been employed in defining western history, culture, and native peoples as fact, fiction, and myth. No student may earn credit for both 4743 and 5743. (Irreg.) [IV-AF] |

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|---------|--------|--|--|
| A HI    | 4753   | The American West in Photography                     | (Slashlisted with 5753) Prerequisite: Junior standing or permission of the instructor. This course focuses on the study of the trans-Mississippi west as seen through the eyes of photographers from the early 19th century up to the present. The purpose of this course will primarily be to study Euro-American photographic conventions, traditions, and styles and how they have been employed in defining American western history, culture and native peoples as fact, artistic motif and myth. No student may earn credit for both 4753 and 5753. (Irreg.) [IV-WC] |
| A HI    | 4763   | Studies in Art of the American West                  | Prerequisite: junior standing. Close study of a relatively small number of works of art representing the American West produced in the North American colonies, between roughly 1750 and 1850, accompanied by relevant scholarly texts published since the dawning of the modern age of American art history. Students are responsible for active participation in class discussion, successful completion of two interim assessments, and preparation of a substantial research paper. (F)  |
| A HI    | 4823   | 20th Century American Indian Art History             | (Slashlisted with 5823) Prerequisite: junior standing. Examination and study of the arts of North American Indians. Included in the survey will be the examination of new materials, styles, and the shifts of gender roles in the creative arts. No student may earn credit for both 4823 and 5823. (F) [IV-NW]   |
| A HI    | 4843   | 20th Century Hispanic and Latin American Art History | (Slashlisted with 5843) Prerequisite: junior standing. Visual arts of Mexico, Central and South America. Interdisciplinary methodology includes painting, sculpture, photography, video, installations, pottery, and weaving. No student may earn credit for both 4843 and 5843. (F) [IV-WC]   |
| A HI    | 4853   | American Indian Women Artists                        | (Slashlisted with 5853) Prerequisite: Junior standing or permission of the instructor. Investigates the arts of indigenous women throughout the Americas. Students will participate in research, discussion of selected readings, written assignments and individual presentations concerning the non-western aesthetics and ideals that are found in arts of Indian women from the 20th century forward. No student may earn credit for both 4853 and 5853. (Irreg.) [IV-NW]  |
| A HI    | 4883   | Chinese Art  | (Slashlisted with 5883) Prerequisite: junior standing. A general survey of the art of China from the Neolithic period through the 20th century. No student may earn credit for both 4883 and 5883. (Irreg.) [IV-NW]  |
| A HI    | 4913   | Seminar  | (Slashlisted with 5913) Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 12 hours. Advanced topics in art history. No student may earn credit for both 4913 and 5913. (Irreg.)   |
| A HI    | 4930   | Internship   | 1 to 6 hours. Prerequisite: permission of instructor; majors only. May be repeated; maximum credit 6 hours. Students arrange and participate in a professional work experience with an approved internship site. (Irreg.)  |
| A HI    | 4953   | Museum Studies                                       | (Slashlisted with 5953) Prerequisite: junior standing. Analysis of problems in collecting, authenticating, exhibiting and conserving works of art. Attention is also given to museum architecture and administration, as well as to the cultural and educational role of the museum in the community. Field trips, projects and papers are required. No student may earn credit for both 4953 and 5953. (Irreg.)   |
| A HI    | 4960   | Directed Readings                                    | Prerequisite: six hours of upper-division art history and permission of instructor. May be repeated; maximum credit six hours. Research culminating in the preparation of papers using technical and critical literature in the history of art. (Irreg.)   |
| A HI    | 4963   | Museum Studies Seminar                               | Prerequisite: junior standing. Intended to provide an introduction to the museum profession and particularly to art museums. The class will consist of lectures/discussion and field trips to art museums (as well as other kinds) in Norman, Oklahoma City, Tulsa and Fort Worth. No student may earn credit for both 4963 and 5963. (Irreg.)   |
| A HI    | 4970   | Special Topics/Seminar                               | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |

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| A HI    | 4990   | Independent Study                         | 1 to 3 hours. Prerequisite: senior standing and permission of instructor. May be repeated; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| A HI    | 4993   | Senior Capstone Experience                | Prerequisite: senior classification. May not be repeated for credit. Primary objective is to provide a culminating experience for the senior-year student. Satisfies the University-wide General Education Requirement for a capstone course for art history majors. (F, Sp) [V]   |
| A HI    | 5113   | Cycladic Art                              | (Slashlisted with 4113) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. The Bronze Age culture of the Aegean Islands with special emphasis on Cycladic idols and monumental paintings on the island of Thera (Santorini). No student may earn credit for both 4113 and 5113. (Irreg.)  |
| A HI    | 5123   | Minoan Art and Architecture               | (Slashlisted with 4123) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Examination and interpretation of Minoan palatial architecture and related art production on the island of Crete. No student may earn credit for both 4123 and 5123. (Irreg.)  |
| A HI    | 5143   | Mycenaean Art and Architecture            | (Slashlisted with 4143) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Art of mainland Greece with particular attention to Mycenaean settlements and funeral practices. No student may earn credit for both 4143 and 5143. (Irreg.)   |
| A HI    | 5163   | Etruscan Art                              | (Slashlisted with 4163) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Examine and interpret selected works of Etruscan art in reference to the possible influences from the social, political, economic, literary, and religious "climate" of the time. No student may earn credit for both 4163 and 5163. (Irreg.)  |
| A HI    | 5203   | Reflections on Western Art                | Prerequisite: graduate standing in the School of Art and Art History. Focus on topics in western American art, contrasting contemporary with traditional interpretations, as well as formal with social implications of the subject. Issues to be considered include gender and ethnicity; historiography and the impact of changing perceptions; western art as historical analogue vs. art as creative expression; and art of frontier America as a form of national identity, as commercial and social exploitation and as aesthetic tradition. Content will concentrate on the 19th and early 20th century painters, sculptors, and print makers who derived artistic themes from the trans-Mississippi west. (Irreg.) |
| A HI    | 5210   | Graduate Readings                         | 1 to 6 hours. Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. May be repeated with change of subject; maximum credit nine hours. Selected readings in art history. (Irreg.)  |
| A HI    | 5213   | Ancient Portraits                         | Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. This course examines works from different western and non-western ancient cultures to establish a working definition of the art of portraiture. (Irreg.)   |
| A HI    | 5220   | Graduate Projects                         | 1 to 6 hours. Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. May be repeated with change of subject; maximum credit nine hours. Individual problems on selected topics. (Irreg.)  |
| A HI    | 5233   | Medieval Art I: Early Christian to C 1100 | (Slashlisted with 4233) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. A study of Western art and architecture from the early Christian period (fourth century) through the Early Romanesque period (about 1100). Studies of Byzantine, Migratory, Insular, Hispano-Islamic, Carolingian and Ottonian art included. No student may earn credit for both 4233 and 5233. (Irreg.)   |

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| A HI    | 5273   | Byzantine Icons  | (Slashlisted with 4273) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Byzantine images occupy a principal position at the heart of the Eastern Church and they are an organic part of daily services. The icon represents a vision of the invisible, and therefore a vision founded on divine knowledge which transforms the created work into the miracle working image. This class will examine the challenging process of producing holiness and divinity through painting panels. No student may earn credit for both 4273 and 5273. (Irreg.) |
| A HI    | 5343   | Italian Decorative Complexes                           | Prerequisite: graduate standing in the School of Art & Art History. Designed for art history and non-art history majors studying abroad in Italy. Explores the history of sculpture, architecture and painting produced in Italy with particular emphasis on the renaissance in Tuscany between c. 1250 to 1534. No student may earn credit for both 4343 and 5343. (Irreg.)  |
| A HI    | 5373   | The Italian City: Renaissance and Baroque Architecture | (Slashlisted with 4373) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Architecture and urban planning of Italy from about 1300-1700. Emphasis on the growth of the city and how new forms of social interaction affected the development of architecture and the urban setting. No student may earn credit for both 4373 and 5373. (Irreg.)   |
| A HI    | 5463   | Issues in Northern Baroque Art                         | Prerequisite: Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Looks at northern Baroque art as a case study for the examination of a variety of art historical problems such as attribution, function, interpretation, and symbolism. (Irreg.)  |
| A HI    | 5503   | Art of the 18th Century: The Age of Enlightenment      | (Slashlisted with 4503) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Emphasizes the interaction of art with scientific, literary, historic and philosophical innovations of the eighteenth century. Content includes painting, sculpture and architecture of Northern Europe. No student may earn credit for both 4503 and 5503. (Irreg.)  |
| A HI    | 5553   | Nineteenth-Century Art                                 | (Slashlisted with 4553) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. European art from the French Revolution to 1900, with particular emphasis on developments in French painting. Brief consideration of parallel trends in American art. No student may earn credit for both 4553 and 5553. (Irreg.)   |
| A HI    | 5613   | Readings in Twentieth-Century Art                      | (Slashlisted with 4613) Prerequisite: permission of instructor. Explores the cultural/intellectual context of the Fauves, German Expressionists, Cubists, Constructivists, Futurists, Dadas, Surrealists, Etc., through artists' and critics' writings and manifestoes as well as other arts such as poetry, drama and dance. Readings, presentations, and critical writings will be assigned. No student may earn credit for both 4613 and 5613. (Irreg.)  |
| A HI    | 5633   | Modern Art: Cezanne to 1950                            | (Slashlisted with 4633) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. European art from Postimpressionism to 1950, including some American developments. Emphasis on painting and sculpture, with some consideration of architecture. No student may earn credit for both 4633 and 5633. (Irreg.)   |
| A HI    | 5643   | Art After Modernism                                    | (Slashlisted with 4643) Prerequisites: graduate standing; permission of instructor. Examines the transition from modern to contemporary art in Europe and the United States between 1950 and 1989. No student may earn credit for both 4643 and 5643. (Irreg.)  |
| A HI    | 5653   | Art Since World War II                                 | (Slashlisted with 4653) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Recent developments in art, both in the United States and abroad. No student may earn credit for both 4653 and 5653. (Irreg.)   |
| A HI    | 5663   | Women in Contemporary Art                              | (Slashlisted with 4663) Prerequisite: permission of instructor. Discussions concerning women's issues in contemporary art, current women artists and their art works. The notion of a "female sensibility" will be examined. Students will engage in individual and group presentations, both of artists and critical issues. Essay writing and preparation of bibliographies. No student may earn credit for both 4663 and 5663. (Irreg.)  |

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|---------|--------|--|--|
| A HI    | 5673   | Modern Sculpture   | (Slashlisted with 4673) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. A study of changing concepts in sculpture from neo-classicism to the present day. No student may earn credit for both 4673 and 5673. (Irreg.)  |
| A HI    | 5693   | World Modernisms   | (Slashlisted with 4693) Prerequisites: graduate standing; permission of instructor. Examines modernisms of the world between 1960 and 1989 with a strong emphasis on traditions outside the West. No student may earn credit for both 4693 and 5693. (Irreg.)  |
| A HI    | 5703   | History of Photography, 1839-1945                          | (Slashlisted with 4703) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. A survey of the history of photography from 1839 to 1945. Topics include photography as art; social, technical, mechanical, scientific and aesthetic factors in the development of the medium. No student may earn credit for both 4703 and 5703. (Irreg.)   |
| A HI    | 5723   | Cinema of the American West: Then and Now                  | (Slashlisted with 4723) Prerequisite: graduate standing; majors only or permission of instructor. Provides a critical overview of cinema of the American West from the 1930s to present day. Through screenings and course readings, examines the underlying components of Western films, including issues of race, class, ethnicity, gender, sexuality, and ideology. Also explores the influence of painting and photography on cinema, as filmmakers both reinforced and reshaped popular imaginings of the American West. No student may earn credit for both 4723 and 5723. (Irreg.)  |
| A HI    | 5743   | The American West in Art, Photography, and Popular Culture | (Slashlisted with 4743) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Focuses on the study of the Trans-Mississippi West, as seen through the eyes of artists and photographers from the early 19th century until today. A variety of media will be discussed, including paintings, prints, photography, and sculpture. The purpose of the course will be primarily to study Euro-American artistic conventions/tradition and how they have been employed in defining western history, culture, and native peoples as fact, fiction, and myth. No student may earn credit for both 4743 and 5743. (Irreg.) |
| A HI    | 5753   | The American West in Photography                           | (Slashlisted with 4753) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. This course focuses on the study of the trans-Mississippi west as seen through the eyes of photographers from the early 19th century up to the present. The purpose of this course will primarily be to study Euro-American photographic conventions, traditions, and styles and how they have been employed in defining American western history, culture and native peoples as fact, artistic motif and myth. No student may earn credit for both 4753 and 5753. (Irreg.)  |
| A HI    | 5763   | The American West in Myth and Memory                       | Prerequisite: graduate standing; majors only or permission of instructor. An interdisciplinary graduate seminar that critically addresses the mythologies of the American West, and the ways they are remembered and expressed over generations. Spanning topics such as colonization, the nuclear west, and terrorism, the course explores the schism between individual memories and public accounts of collective trauma, and the resulting debates over how to remember. Thematically examines expressions of memory through films, memorials, museum exhibits, and other forms of visual culture. (Irreg.)  |
| A HI    | 5823   | 20th Century American Indian Art History                   | (Slashlisted with 4823) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Examination and study of the arts of North American Indians. Included in the survey will be the examination of new materials, styles, and the shifts of gender roles in the creative arts. No student may earn credit for both 4823 and 5823. (Irreg.)   |
| A HI    | 5843   | 20th Century Hispanic and Latin American Art History       | (Slashlisted with 4843) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Visual arts of Mexico, Central and South America. Interdisciplinary methodology includes painting, sculpture, photography, video installations, pottery, and weaving. No student may earn credit for both 4843 and 5843. (Irreg.)  |



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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| A HI    | 5853   | American Indian Women Artists             | (Slashlisted with 4853) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Investigates the arts of indigenous women throughout the Americas. Students will participate in research, discussion of selected readings, written assignments and individual presentations concerning the non-western aesthetics and ideals that are found in arts of Indian women from the 20th century forward. No student may earn credit for both 4853 and 5853. (Irreg.)  |
| A HI    | 5903   | Methodologies and Theories in Art History | Prerequisite: graduate standing in art history or senior standing with permission of instructor. A study of various scholarly approaches to the history of art, as well as the theories which inform these approaches. Preparation of bibliographies; short presentations and papers. (Irreg.)  |
| A HI    | 5911   | Teaching of Art History                   | Prerequisites: graduate standing; permission of instructor. Introduction to pedagogy for art history graduate students. It is required for Graduate Teaching Assistants with teaching assignments, and they should normally take it in the first semester of their appointment. The course focuses on principles and practices of good teaching and uses hands-on methods to encourage students to gain confidence and share ideas. Through a series of practical assignments students will increase their competency in creating and evaluating assignments, developing syllabi, and leading discussion sections. (Irreg.) |
| A HI    | 5912   | Professional Writing for Art Historians   | Prerequisites: graduate standing; permission of instructor. This course is intended for graduate students pursuing an art history degree at the M.A. or Ph.D. level. It aims to teach professional writing skills necessary for a career in academia or the art world with a focus on proposals for conferences and grants. (Irreg.)  |
| A HI    | 5913   | Seminar                                   | (Slashlisted with 4913) Prerequisite: permission of instructor. May be repeated with change of content; maximum credit twelve hours. Advanced topics in art history. No student may earn credit for both 4913 and 5913. (Irreg.)  |
| A HI    | 5930   | Graduate Internship                       | Prerequisite: graduate standing; permission of instructor. Variable credit: 1-6 hours. May be repeated; maximum credit 6 credit hours. An Internship is a planned work experience related to a student's personal career and academic goals. It can help a student learn about a career, apply knowledge gained in the classroom, develop skills, and enrich the student's understanding of a variety of art organizations. The primary purpose of an internship is to help relate academic experiences with those in the workplace. (Irreg.)   |
| A HI    | 5953   | Museum Studies                            | (Crosslisted with 4953) Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Analysis of problems in collecting, authenticating, exhibiting and conserving works of art. Attention is also given to museum architecture and administration, as well as to the cultural and educational role of the museum in the community. Field trips, projects and papers are required. No student may earn credit for both 4953 and 5953. (Irreg.)   |
| A HI    | 5960   | Directed Readings                         | Prerequisite: permission of instructor. May be repeated; maximum credit six hours. Research culminating in the preparation of papers using technical and critical literature in the history of art. (Irreg.)  |
| A HI    | 5963   | Museum Studies Seminar                    | Prerequisite: junior standing. Intended to provide an introduction to the museum profession and particularly to art museums. The class will consist of lectures/discussion and field trips to art museums (as well as other kinds) in Norman, Oklahoma City, Tulsa and Fort Worth. No student may earn credit for both 4963 and 5963. (Irreg.)  |
| A HI    | 5970   | Special Topics/Seminar                    | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| A HI    | 5972   | Thesis Proposal                           | Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. Students will create a research topic, select a thesis committee and formulate a proposal and bibliography approved by their committee. (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| A HI    | 5980   | Research for Master's Thesis                                | 2 to 9 hours. Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. May be repeated for credit; maximum credit applicable toward degree, four hours. Directed research culminating in the completion of the master's thesis. (Irreg.)  |
| A HI    | 5983   | Graduate Readings in Museology: Power, Privilege and Ethics | Prerequisite: graduate standing; Art History majors only or permission of the instructor. An interdisciplinary graduate seminar that examines museum ethics in both theoretical and practical contexts. Topics include the acquisition and conservation of art and artifacts, debates over display and interpretation, repatriation and the rights of Native peoples, and overarching questions of ideology and power. Special emphasis is placed on museum processes, collections, and exhibitions pertaining to the American West. (Sp)  |
| A HI    | 5990   | Independent Study   | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| A HI    | 5993   | Special Studies   | Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. May be repeated; maximum credit twelve hours. Advanced studies in various periods of art history, given under stated titles determined semester by the instructor involved. (Irreg.)   |
| A HI    | 5999   | Graduate Level Transfer Credit                              | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| A HI    | 6103   | Regional Art and Artists                                    | Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. May be repeated with change in topic; maximum credit 12 hours. Advanced seminar that will examine in depth various concepts, individuals, schools, movements or themes. Topics may include: contemporary Oklahoma artists; Grant Wood, Thomas Hart Benton, 16 Taos and Santa Fe painters; contemporary Santa Fe artists; and Oklahoma artists 1880-1950. (Irreg.)  |
| A HI    | 6203   | Native American Art   | Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. May be repeated with change in topic; maximum credit 12 hours. Advanced seminar that will examine in depth various concepts, individuals, schools, movements, or themes. Topics may include: Oklahoma Native American artist; Ledger art; art of Native American people; contemporary Native American painters; Native American sculptors; southwestern Native American weaving; jewelry; beadwork; potteries; coastal American art of the northwest; and native arts of Hawaii. (Irreg.)  |
| A HI    | 6303   | Western American Art  | Prerequisite: graduate standing in the School of Art and Art History or permission of the instructor. May be repeated with change in topic; maximum credit 12 hours. Advanced seminar that will examine in depth various concepts, individuals, schools, movements, or themes. Topics may include: contemporary western American artists; the impact of the west in New York artist - 1880-1920; Remington and Russell; Eastern artists and their western sojourns; monumental western American sculptors of the 19th or 20th century; utilitarian art of the west - saddles and tack, spurs, leather and ironwork; and American illustrators to artists. (Irreg.) |
| A HI    | 6423   | Topics in American Art History                              | Prerequisite: Graduate standing in the School of Art and Art History or permission of instructor. Interdisciplinary seminar addressing topics in the history of American art, its focus changing from year to year though always concerned with developments in the art of the American west, based on close, restrained analysis of particular images combined with readings in art history and related disciplines. (Irreg.)   |
| A HI    | 6433   | American Art and Material Culture                           | Prerequisite: Graduate standing in the School of Art and Art History or permission of the instructor. Interdisciplinary seminar addressing the significance of ordinary objects taken as evidence of unconscious as well as conscious attitudes and beliefs, some specific to their original makers, users, owners and receivers, others latent in the broader cultural milieu in which each object circulated or circulates still. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| A HI    | 6503   | Contemporary American Art                      | Prerequisite: Graduate standing in the School of Art and Art History or permission of the instructor. May be repeated with change in topic; maximum credit 12 hours. Advanced seminar that will examine in depth various concepts, individuals, schools, movements or themes. Topics may include: Post-modernism and its view of western American icons; contemporary native American southwestern artists; the west coast artists; California impressionism; Peter Hurd and his contemporaries; black American artists; Georgia O'Keeffe and the ghost ranch years; 20th century American immigrants and their art; American innocents; outsiders art and folk artists; contemporary American crafts; contemporary American illustration and graphic design; and contemporary American architecture (Irreg.) |
| A HI    | 6513   | Critical Issues in Recent American Art History | Prerequisite: Graduate standing in the School of Art and Art History or permission of the instructor. Interdisciplinary seminar addressing critical issues in recent American art history through close attention to a series of recent monographs by major figures in the field. (Irreg.)  |
| A HI    | 6603   | Cross Cultural Art of the Americas             | Prerequisite: Graduate standing in the School of Art and Art History or permission of the instructor. May be repeated with change in topic; maximum credit 12 hours. Advanced seminar that will examine in depth various concepts, individuals, schools, movements or themes. May be repeated with a change in topic. Topics may include: the Canadian seven; Mexican art in the 19th century; pottery of San Ildefonso pueblo; pottery of Santa Clara pueblo; New York's influence on Emilio Amero and his Mexican contemporaries; Diego Rivera in America; Jean Charlot and his American murals; and Inuit art of the Arctic. (Irreg.)  |
| A HI    | 6950   | Dissertation Proposal                          | 1 to 6 hours. Prerequisite: Completion of core coursework for the PhD in Art History. May be repeated; maximum credit six hours. Students will create a research topic and formulate a proposal and bibliography approved by their doctoral committee. (F, Sp)  |
| A HI    | 6960   | Directed Readings                              | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| A HI    | 6970   | Special Topics/Seminar                         | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| A HI    | 6980   | Research for Doctoral Dissertation             | Prerequisite: Successful completion of the general examination. Directed research culminating in the completion of the Doctoral dissertation. May be repeated for credit; Maximum credit applicable toward the degree is nine hours. (F, Sp)  |
| A HI    | 6990   | Independent Study                              | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| ACCT    | 1999   | Lower Division Transfer Credit                 | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| ACCT    | 2113   | Fundamental Financial Accounting               | Prerequisite: Business majors and students enrolled in approved degree programs or by permission of Price College advising; B AD 1001 or concurrent enrollment. Basic principles of financial accounting. Emphasis on the preparation and use of the income statement, balance sheet and statement of funds flow for corporations. Coverage includes the analysis and recording of transactions involving cash, inventories, fixed assets, bonds and capital stock as well as closing, adjusting and reversing entries for revenue and expense items. (F, Sp, Su)   |

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| Subject | Number | Title                                      | Course Description   |
|---------|--------|--|--|
| ACCT    | 2123   | Fundamental Managerial Accounting          | Prerequisite: Business majors and students enrolled in approved degree programs or by permission of Price College advising; ACCT 2113. Introduction to managerial accounting. Analysis of cost behavior and the use of this knowledge for both short- and long-term decision. An introduction to budgeting and the accumulation of product costs for planning and performance evaluation. Specific coverage includes cost-volume-profit analysis, capital budgeting, allocations, variances from standard costs and the measurement of divisional performance. (F, Sp, Su) |
| ACCT    | 2970   | Special Topics/Seminar                     | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects.   |
| ACCT    | 3023   | International Financial Statement Analysis | (Crosslisted with B AD 3023) Prerequisite: 2113 and 2123. A review of international financial reporting development, procedures and standards with an emphasis on financial statement interpretation and analysis. Not open to accounting majors. (Irreg.)   |
| ACCT    | 3033   | Financial Reporting Issues in Energy       | Prerequisite: Energy Management 3001 or concurrent enrollment and student must be a declared Energy Management major and have been approved for degree candidacy by Price College. Study of financial reporting issues directed toward energy companies. Review of the accounting cycle with an emphasis on the accounting treatment for acquisition of mineral interests, geological and geophysical costs, intangible drilling costs, delay, rental, dry hole costs, lease and well equipment, joint interest billing and royalties payable. (Sp)                        |
| ACCT    | 3113   | Intermediate Accounting I                  | Prerequisite: Student must be approved for degree candidacy by Price College; ACCT 2113 and ACCT 2123 with a grade of C or better in each course. Valuation and other theoretical problems in accounting for cash, temporary investments, receivables, inventories, long-term investments, plant and equipment and intangible assets. (F, Sp)  |
| ACCT    | 3123   | Intermediate Accounting II                 | Prerequisite: ACCT 2113, ACCT 2123 and ACCT 3113 with a minimum grade of C or better in each course; junior standing; student must be approved for degree candidacy by Price College. Stockholders' equity, dilutive securities, investments, issues related to income determination including revenue recognition, accounting for income taxes, pensions, leases and error analysis, preparation and analysis of financial statements, including price level changes and statement of changes in financial position. (F, Sp)  |
| ACCT    | 3313   | Cost Accounting                            | Prerequisite: ACCT 2123 with a minimum grade of C or better in the course, junior standing; student must be approved for degree candidacy by Price College. Basic cost principles. Job order costing, process and joint costing, and estimated costs. (F, Sp)  |
| ACCT    | 3353   | Accounting Information Systems/Databases   | Prerequisite: Student must be approved for degree candidacy by Price College, or permission. ACCT 2113 and ACCT 2123 with a minimum grade of C or better in each course. A study of the role of technology in accounting, focusing on the documentation, flow, and processing of accounting information in business. Gives an introduction to the various components of an information system and the necessary internal controls in complex business computing environments. Course includes data analytics and enterprise systems projects. (F, Sp)                      |
| ACCT    | 3440   | Mentored Research Experience               | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| ACCT    | 3603   | Income Tax Accounting I                    | Prerequisite: ACCT 3113 or permission; junior standing; student must be approved for degree candidacy by Price College. ACCT 2113, ACCT 2123 and ACCT 3113 with a minimum grade of C or better in each course. Introduction to the taxation of income including issues related to the measurement and recognition of income, deductions and losses; the taxation of property transactions; basis and cost recovery concepts; and alternative forms of business organization. (F, Sp)   |

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| Subject | Number | Title                                      | Course Description   |
|---------|--------|--|--|
| ACCT    | 3960   | Honors Reading                             | 1 to 3 hours. Prerequisite: junior or senior standing, admission to the Honors Program. May be repeated; maximum credit six hours. Independent study in field of accounting and related disciplines to broaden student's perspective in general field of business. (F, Sp)   |
| ACCT    | 3970   | Honors Seminar                             | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| ACCT    | 3980   | Honors Research                            | 1 to 3 hours. Prerequisite: junior or senior standing, admission to the Honors Program. May be repeated; maximum credit six hours. Independent research in field of accounting and related disciplines to apply research techniques learned in research tool courses to actual business situations. (F, Sp)  |
| ACCT    | 3990   | Independent Study                          | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (Irreg.)   |
| ACCT    | 3999   | Upper Division Transfer Credit             | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| ACCT    | 4113   | Selected Topics in Advanced Accounting     | Prerequisite: ACCT 3113, ACCT 3123, and junior standing . Consolidated financial statements, business combinations, branch accounting, foreign currency transactions and financial statements, governmental accounting, partnerships. (Irreg.)   |
| ACCT    | 4543   | Auditing                                   | Prerequisite: ACCT 3113 and ACCT 3123 with a minimum grade of C or better in each course; completion of 3000-level Business core; ACCT 3353 or concurrent enrollment. Auditing concepts, standards, principles, and procedures; coverage includes professional ethics, auditors' legal responsibilities, EDP control systems, audit sampling, and audit reports. (F, Sp)   |
| ACCT    | 4563   | Oil and Gas Accounting I                   | Prerequisite: ACCT 3123, FIN 3303, L S 3323, MGT 3013, and MKT 3013. May be taken concurrent with ACCT 3123. A study of financial accounting issues specifically directed toward oil and gas companies. Includes basic oil and gas transactions such as leases, subleases, free wells, farmouts, and carried interests. This course also covers accounting for acquisition costs, exploration and development costs, operating costs, joint interest costs, and revenue accounting for oil and gas companies. Field trip is required. No student may earn credit for both 4563 and 5563. (F) |
| ACCT    | 4703   | Income Tax Accounting II                   | (Slashlisted with 5703) Prerequisite: 3603 or permission, junior standing. Advanced issues related to the taxation of multi-jurisdictional operations and transactions involving corporations, partnerships, estates, and trusts, and their owners throughout the life of the entity. No student may earn credit for both 4703 and 5703. (F, Sp)   |
| ACCT    | 4710   | Special Topics in Accounting               | Prerequisite: 2113, 2123. May be repeated with change of topic; maximum credit six hours. Topics may include any accounting related area. (F, Sp, Su)  |
| ACCT    | 4960   | Directed Readings                          | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| ACCT    | 4970   | Special Topics/Seminar                     | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ACCT    | 4990   | Special Problems in Accounting             | 1 to 2 hours. Prerequisite: 24 hours of accounting. Directed readings and problems under staff supervision for advanced students. A comprehensive report and/or examination is required. (F, Sp, Su)   |
| ACCT    | 5023   | International Financial Statement Analysis | Prerequisite: 5013 or permission. A review of international financial reporting developments, procedures, and standards with an emphasis on financial statement interpretation and analysis. (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ACCT    | 5100   | Accounting Professional Development                 | Prerequisite: admission into the BBA/MAcc or MAcc program. Introduces students to a wide range of business and professional issues, including developing current events not covered elsewhere in the curriculum, as well as to build and expand on topics that are covered. The course will also help students develop and polish some of the skills necessary for professional and personal success. (Irreg.)   |
| ACCT    | 5113   | Advanced Accounting                                 | Prerequisite: 3113, 3123, and graduate standing. Topics in this course will cover firms that have merged with or acquired other companies; the effects of doing business in foreign currencies with changing exchange rates, and how to account for these currency issues; and the accounting and reporting for governmental and nonprofit organizations. The main focus will be on reporting consolidated financial statements for entities that are made up of related but legally-separate firms. (F, Sp)   |
| ACCT    | 5202   | Financial Accounting                                | Prerequisites: graduate standing; departmental permission. Students will learn to construct and analyze financial statements of for-profit corporate enterprises. The basic accounting model including financial statement recording and preparation will be covered. A major emphasis will be placed on using financial statements for decision making by investors, creditors, and other users. Basic ratio analysis and valuation concepts will be introduced. (Irreg.)   |
| ACCT    | 5212   | Managerial Accounting                               | Prerequisites: 5202 and graduate standing; departmental permission. This course emphasizes the use of accounting information for internal planning and control. Introduces students to types of managerial information used to effectively and efficiently run businesses. Covers basic issues in costing (activity based and product); generation and interpretation of information for planning and strategic decision-making (pricing, make-or-buy analysis, cost-volume-profit analysis); production and use of information related to performance measurement. (Irreg.) |
| ACCT    | 5351   | Applied Financial Statement Analysis Lab            | Prerequisites: graduate standing and corequisite ACCT 5352; departmental permission. Provides an opportunity to apply skills and knowledge learned in Accounting 5352, Financial Statement Analysis Theory and Methods to a real company. Students are required to complete a financial analysis of a publicly held company including comprehensive strategic and ratio analysis and valuation. (Irreg.)   |
| ACCT    | 5352   | Financial Statement Analysis Theory and Methods     | Prerequisites: graduate standing; departmental permission. Intended to increase your ability to use and make decisions using information presented in the financial statements of publicly traded companies. A number of different decision contexts will be examined including valuation of potential acquisitions, investment analysis, credit analysis, managing corporate financing policies and analyzing business communications. Will consider the role of both accounting and non-accounting information. (Irreg.)   |
| ACCT    | 5353   | Financial Statement Analysis                        | Prerequisite: graduate standing or permission of instructor. Topics in analysis and use of general purpose financial statements for decision making, ratio analysis, credit risk, and valuation will be covered. (Irreg.)  |
| ACCT    | 5403   | Accounting Ethics and Professional Responsibilities | Prerequisite: graduate standing, 24 hours of accounting, and permission. Examines the ethical issues encountered by, and the professional and legal obligations of, practicing accountants with the ultimate goal of enhancing ethical decision-making and behavior in the profession. Applies both ethical theories of decision-making and professional standards to real-world problems encountered across various functional areas of accounting. (Irreg.)  |
| ACCT    | 5543   | Contemporary Auditing Issues                        | Prerequisite: 4543, graduate standing and permission. Designed to enhance students' understanding of the fundamental concepts of auditing through the analysis and discussion of actual problematic audits or audit-related situations. Emphasis is also placed on the key ethical issues that face audit practitioners. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ACCT    | 5553   | Fraud Examination                            | Prerequisite: 4543, graduate standing or permission. To develop a broad understanding of the different types of fraud that affect organizations, as well as to learn how and why fraud occurs. To understand the fundamentals regarding fraud prevention and detection. To learn how to conduct fraud investigations. To learn what is required of external auditors regarding fraud. The course focuses on organizational fraud (e.g. employee and management fraud). (Irreg.)   |
| ACCT    | 5563   | Oil & Gas Accounting I                       | Prerequisites: graduate Standing and permission of instructor. A study of financial accounting issues specifically directed toward oil and gas companies. These include basic oil and gas transactions such as leases, subleases, free wells, farmouts, and carried interests. This course also covers accounting for acquisition costs, exploration and development costs, operating costs, joint interest costs, and revenue accounting for oil and gas companies. A requirement of this course is a field trip which will take all day on a designated Friday. No student may earn credit for both 4563 and 5563.(F) |
| ACCT    | 5573   | Advanced Oil and Gas Accounting and Taxation | Prerequisites: ACCT 4563 or ACCT 5563, ACCT 3603, and Graduate standing. This course will cover accounting for derivatives, asset retirement obligations, supplemental footnote disclosures, analysis of financial statements of oil and gas companies, and alternative sources of energy. Approximately 1/3 of the course will be devoted to taxation of oil and gas companies. (Irreg.)   |
| ACCT    | 5613   | Tax Research and Practice                    | Prerequisite: 4703. Focus on the development of skills necessary to resolve issues in tax practice. Objectives include: 1) develop knowledge of tax research resources; 2) understand the framework of tax law; and 3) understand ethics as applied to tax practice. (Irreg.)   |
| ACCT    | 5703   | Income Tax Accounting II                     | (Slashlisted with 4703) Prerequisite: 3603 or permission and junior standing. Advanced issues related to the taxation of multi-jurisdictional operations and transactions involving corporations, partnerships, estates, and trusts, and their owners throughout the life of the entity. No student may earn credit for both 4703 and 5703. (F, Sp)   |
| ACCT    | 5960   | Directed Readings                            | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| ACCT    | 5970   | Seminar                                      | 1 to 3 hours. Prerequisite: graduate standing and permission. May be repeated with change of subject matter; maximum credit eight hours. A seminar for graduate students, with topics to be announced each time the course is offered. (F, Sp, Su)  |
| ACCT    | 5980   | Research for Master's Thesis                 | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| ACCT    | 5990   | Research in Accounting                       | 1 to 4 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit eight hours. (F, Sp, Su)  |
| ACCT    | 5999   | Accounting Unequated Trf Work                | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| ACCT    | 6193   | Introduction to Accounting Research          | Prerequisite: graduate standing and permission. May be repeated with change of content; maximum credit six hours. A survey of current topics appearing in the academic accounting literature. Students will analyze and critique emerging original research in accounting. Intended for, but not restricted to, doctoral accounting students to provide a foundation for their future research efforts. Required for all Ph.D. students whose dissertation topic is in the area of accounting. (Irreg.)   |
| ACCT    | 6553   | Accounting Theory and Research               | Prerequisite: graduate standing, 24 hours of accounting and permission. Examines the history and development of accounting theory and its reflection in current professional standards. In the process, the course also facilitates the development of the knowledge and skills necessary to research and analyze specific practice and policy issues. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ACCT    | 6613   | Federal Income Taxation of Corporations and Shareholders | Prerequisite: graduate standing, 4613 (or concurrent enrollment in 4613) and permission. An advanced study of corporate income taxation including: corporate formation, concept of earnings and profits, acquisitions and liquidations, reasonable compensation, stock redemptions, accumulated earnings tax, personal holding companies, reorganizations, Subchapter S corporations and other tax areas. (Irreg.)            |
| ACCT    | 6643   | Federal Estate and Gift Tax Planning and Practice        | Prerequisite: 4613 (or concurrent enrollment in 4613), graduate standing and permission. An intensive study of property owned by the decedent, powers of appointment, life insurance, valuation issues and techniques, deductions from the gross estate, estate tax credits, transactions subject to the gift tax, gift and estate tax returns and procedures, and emphasis on pre- and post-mortem estate planning. (Irreg.) |
| ACCT    | 6713   | Judgment and Decision Making Research Seminar            | Prerequisite: 6193 or permission of instructor. Introduces basic psychology research in judgment and decision making, explores accounting and accounting-related work in judgment and decision making, and develops evaluation skills for experimental research. (Irreg.)   |
| ACCT    | 6723   | Archival Financial Reporting Research Seminar            | Prerequisite: 6193 or permission of instructor. Heavy emphasis placed on basic theory and empirical findings of how accounting information relates to market prices. Additional topics may include archival evidence of firm's earnings management activities, the role of financial analysts' earnings forecasts in financial accounting research, and cross-company differences in financial reporting. (Irreg.)            |
| ACCT    | 6960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| ACCT    | 6970   | Special Topics/Seminar                                   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| ACCT    | 6973   | Seminar  | Prerequisite: 6193 or permission of instructor. May be repeated with change of topic; maximum credit six hours. Seminar in latest developments in research and theory from one of the following general areas of accounting: auditing, taxation, positive theory, managerial accounting, or financial reporting. Specific topic is announced for each time of offering. (Irreg.)  |
| ACCT    | 6980   | Research for Doctor's Dissertation                       | 2 To 16 Hours. (F, Sp, Su)  |
| ACCT    | 6990   | Independent Study  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| AERO    | 1011   | The Foundation of the US Air Force                       | Prerequisite: concurrent enrollment in AERO 1300. A study of the doctrine, mission and organization of the United States Air Force. Emphasis is placed on the purpose of strategic offensive and defensive forces and their inherent relationship to the function and employment of aerospace power. (F)  |
| AERO    | 1021   | The Air Force Today                                      | Prerequisite: departmental permission; concurrent enrollment in 1300. A study of aerospace defense, missile defense, general purpose forces and aerospace support forces. The mission, resources and operation of tactical air forces, with special attention to limited war; and a review of Army, Navy and Marine general purpose forces. (Sp)  |
| AERO    | 1300   | Leadership Laboratory                                    | Prerequisite: concurrent enrollment in AERO 1011, 1021, 2011, 2021, 3013, 3023, 4013 or 4023 or permission. Designed to introduce the student to the customs and courtesies associated with the Air Force. Also provides a practicum for the initial development of leadership and command abilities. (F, Sp)   |
| AERO    | 1999   | Lower Division Transfer Credit                           | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| AERO    | 2011   | The Evolution of USAF Air and Space Power I          | Corequisite: 1300. The development of air power to include the technological advanced which made military aviation possible. American attitudes toward aviation, evolution of pursuit, reconnaissance, bombardment and ground support tactics, the interwar years (1919-1939), air power during World War II, the Berlin Airlift, the Korean War, the development of an independent Air Force, and the Air Force build-up/force modernization of the 1950s. (F)                         |
| AERO    | 2021   | The Evolution of USAF Air and Space Power II         | Corequisite: 1300. A study of the development of airpower in the post-World War II period. Special emphasis is placed upon airpower and Cold War strategies, the Cuban Missile Crisis, Airpower in southeast Asia, the 1970's a decade of change, the 1980's force modernization, the changing balance and role of airpower relative to today's major military powers. An introductory study of leadership, team building, and problem solving. (Sp)                                    |
| AERO    | 3013   | Air Force Leadership and Management 1                | Prerequisite: departmental permission. An introductory study of the basic concepts and practices of management in the military, private and public sectors. Emphasis is placed upon the principles of organizational communications and the development of oral and written communicative skills. Case studies are used to integrate and extend these principles to actual situations. Concurrent enrollment in AERO 1300 is required. (F)  |
| AERO    | 3023   | Air Force Leadership and Management 2                | Prerequisite: AERO 3013 or permission. The study of the fundamentals, traits and techniques of leadership. Included are such topics as job design, motivation, group dynamics, decision making and organizational change. Continued emphasis on the development of communicative skills. Case problems are utilized to relate subject material to managerial principles. Concurrent enrollment in AERO 1300 is required. (Sp)   |
| AERO    | 3440   | Mentored Research Experience                         | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)           |
| AERO    | 3999   | Upper Division Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| AERO    | 4013   | American National Security I                         | Prerequisite: 3023 or departmental permission. Conceptual study of the U.S. national security policy examining the formulation, organization and implementation of national security; the context of national security; the evolution of strategy; and the management of conflict. Included is a block of instruction on the military justice system. Concurrent enrollment in 4100 is required. (F)  |
| AERO    | 4023   | American National Security II                        | Prerequisite: 4013 or departmental permission. Examines U.S. national security policy in the international setting; arms control and peacekeeping efforts; and civil-military interaction. Includes a study of the military profession and officership. Designed to provide future Air Force officers with a background in the profession and U.S. national security policy so that they can function effectively in today's Air Force. Concurrent enrollment in 4100 is required. (Sp) |
| AERO    | 5999   | Graduate Level Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| AFAM    | 1999   | Lower Division Transfer Credit                       | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| AFAM    | 2003   | Introduction to African and African-American Studies | Introduces students to African and African-American Studies at the University of Oklahoma, and at other institutions of higher education in the United States. Students will study the major ideas, concepts, problems, issues, research and scholars in the field. Provides career focus and information for students who will major or minor in African and African-American Studies. (F, Sp) [IV-NW]   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| AFAM    | 2113   | Africa and the Diaspora                                    | The course introduces students to the study of Africa and the dispersion of African people throughout the New World. Focus is placed upon the geographical and historical understanding of the continent of Africa and the identification of central causes of underdevelopment within the continent. (Irreg.) [IV NW]   |
| AFAM    | 2913   | Perspectives on the Digital Divide: Theory and Application | This course focuses on the issue of the digital divide and the impact of computer illiteracy in today's society, with special focus on developing regions of Africa. The lack of access to communication technologies, including personal computers and the internet, is examined as an obstacle to the economic, social and political development in these regions. Focus is directed to theory and application. (Irreg.)   |
| AFAM    | 3123   | West African and African-American Experiences              | Prerequisite: any course that focuses on African or African American content, or English 1213. Provides a basis for understanding discourse concerning the future of West Africa and Africans in the American Diaspora. Examines significant issues concerning West African people, their past, their priorities, and prognoses. (Irreg.)  |
| AFAM    | 3133   | Introduction to African Aesthetics                         | Prerequisite: any course that focuses on African or African American content, or English 1213. Explores the philosophy, culture, and aesthetic expressions of African Americans before, during, and after enslavement through a comparison of African and African American culture. Emphasis is placed upon developing a body of knowledge and analytic skills that will enable students to deepen their understanding of traditional and contemporary culture practiced by the African American community. (Irreg.) [IV-NW]   |
| AFAM    | 3143   | Gospel Music Past and Present                              | Prerequisite: junior standing. African and African-American history as it relates to gospel music. The class correlates the climate and cultural history with various genres of music that led to gospel music. Individual artists are studied not in isolation but as part of the larger cultural context. (F, Sp)  |
| AFAM    | 3313   | A Social History of Black Military Life: 1877-1895         | Prerequisite: any course that focuses on African and African American content, or English 1213. Course presents a social history of black military life during the post-Reconstruction era. Examines the nexus between the common attitude toward African Americans in American society and American military racial policy during the post-Reconstruction era. (Irreg.)   |
| AFAM    | 3323   | Black Military Presence in the American West: 1866-1891    | Prerequisite: any course that focuses on African or African American content, or English 1213. After the Civil War, Congress enacted legislation to authorize regiments of black enlisted men and white officers for service in cavalry and infantry units throughout the American west. This course examines African American service and heroism to this nation from 1866 to 1891 in Texas, Indian Territory, New Mexico, the Dakotas, Montana, and Arizona. The course is reading and writing intensive. (Irreg.)   |
| AFAM    | 3333   | Blacks in Oklahoma: A Stolen Legacy                        | Prerequisite: Junior standing and any 2000-level African and African American Studies class. This course examines the unique interrelationships that encouraged black migration into Oklahoma prior to statehood. The experience of African Americans in Oklahoma is characterized by the chattel slavery exercised by members of the five civilized tribes, a legacy of military service and law enforcement, organized efforts to establish Oklahoma as an all-black state, significant socio-political activity (led primarily by editors of black newspapers) and a number of historic cultural contributions. This course will provide an in-depth exploration of the historic interrelationships, socio-political activism, economic development and culture of black Oklahomans, (Irreg.) |
| AFAM    | 3343   | Black Greek Letter Organizations                           | Prerequisite: junior standing or departmental permission and successful completion of at least one AFAM course. Examines the history and culture of black greek-letter organizations (BGLOs), the contributions of the BGLOs (also referred to as historically black fraternities and sororities) to the black community through leadership and service, and issues relevant to the future of BGLOs in the 21st century. (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| AFAM    | 3413   | African American Education in the United States         | Prerequisite: any course that focuses on African or African-American content, or English 1213. Examines two major historical features of African American education: the ways in which the African American community has sought to educate itself and the ways in which white Americans have sought to educate African Americans. Emphasis is placed on the purpose of education, and alternative visions of educational possibility. (Irreg.)  |
| AFAM    | 3423   | African-American Men                                    | Prerequisite: any course the focuses on African and African-American content, or English 1213. Examines the status and role of the African-American male, from the perspective of contemporary research and literature which should frame the extant disclosure and discussions, policy-making, and future research. (Irreg.)  |
| AFAM    | 3433   | African American Women                                  | Prerequisite: any course the focuses on African or African American content, or English 1213. Examines the history and experience of African American women, focusing on race, gender, and socio-economic status and the corresponding effects of these forces in their lives. (Irreg.)  |
| AFAM    | 3440   | Mentored Research Experiences                           | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| AFAM    | 3453   | The Black Athlete in America                            | Prerequisite: ENGL 1213 or EXPO 1213 or sophomore standing. Provides students with a historical and contemporary overview of the Black athlete in American society. This course will underscore and examine the Black athlete from a social, political, and cultural perspective. Many of the misconceptions and deep-seated stereotypes of Black athletes both in intercollegiate athletics and professional sports will be uncovered. Additionally, perspectives will be gained on the changing status of Black athletes and how those changes have engendered the changing of sport, American society, and critical triumphs within Black culture. (Irreg.) |
| AFAM    | 3613   | Visual Culture and African American Identity: 1895-1939 | Prerequisite: any course the focuses on African or African American content, or English 1213. Examines the visual commodities of black and white cultural producers to analyze issues of caste and class status, gender, and sexuality that historically and currently inform competing notions of blackness within the public sphere. (Irreg.) [IV-NW]  |
| AFAM    | 3960   | Honors Reading  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers topics not usually presented in the regular courses.   |
| AFAM    | 3970   | Honors Seminar  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses.   |
| AFAM    | 3980   | Honors Research   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| AFAM    | 3990   | Independent Study                                       | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| AFAM    | 3999   | Upper Division Transfer Credit                          | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| AFAM    | 4003   | Senior Seminar in African and African-American Studies  | Prerequisite: completion of 12 hours of required AFAM or AFAM-related courses. Provides students the opportunity to review and integrate their study in African and African-American courses. Students will be involved in academic experiences that facilitate the translation from theory to practice. Experiences will vary depending on the instructor. (Sp) [V]   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| AFAM    | 4010   | Special Topics In African And African-American Studies      | 1 to 3 hours. Prerequisite: junior standing and any course covering African and African-American issues. May be repeated with change of content; maximum credit nine hours. Designed to permit the study of specific and changing issues and problems in AFAM Studies. Course will also be used for special workshops, conferences, seminars, etc. and individually planned and supervised activities focused on specific areas of concern. (Irreg.)   |
| AFAM    | 4133   | Contemporary Visual Art of Africa                           | Prerequisite: junior standing and any 2000-level African and African-American Studies (AFAM) class. This course explores current visual arts developments in Africa. The course traces the historical evolution, influences and status of contemporary African art, with special reference to established visual artists who either work within or outside of Africa. (Sp)   |
| AFAM    | 4213   | African Dance   | Prerequisite: any course that focuses on African or African American content, or English 1213. Examines various essential dance movements from the African Diaspora. Theory and praxis meet in an effort to better understand the culture and language of dance amongst African people. (Irreg.) [IV-AF]   |
| AFAM    | 4233   | Blacks and the Movies: Hollywood and Black Independent Film | Prerequisite: any course that focuses on African or African American content, or English 1213. Historical overview of the development of African American cinema. Examines how film has been used to culturally define the parameters of black cultural identity and how black cultural producers promoted alternate constructions of black identity. (Irreg.)   |
| AFAM    | 4243   | The Black Arts Movement                                     | Prerequisite: ENGL 1213 or EXPO 1213, or permission of instructor, or junior standing. Examines the literature, art, music, film, and cultural commentary of the Black Arts Movement. Focuses on the notion of 'blackness' and the black experience as developed in the cultural expressions of key figures of the Black Arts Movement, and the subsequent connection of that movement to further changes in literature, drama, film, music and art. Also explores the emergence of a critical discourse specific to a "new" black aesthetic. (Irreg.) |
| AFAM    | 4313   | Harlem Renaissance  | Prerequisite: any course that focuses on African or African American content, or English 1213. Examines the artistic and literary strivings of African Americans produced during the period between the post-World War I era and the Great Depression. Examines work of individual artists and literary figures. Also examines the impact of African and African American aesthetics on the development of American Modernism. (Irreg.)  |
| AFAM    | 4413   | Issues in the African American Family                       | Prerequisite: any course that focuses on African or African American content, or English 1213. The purpose of the class is to explore the inter- and intra-structural components of the African American family using an applied social systems and ecological approach. Great emphasis will be placed on historical and concurrent social, religious, political and economic factors that influence the psyche of both the family and in a broader sense a culture rooted in the Afrocentric paradigm. (Irreg.)                                       |
| AFAM    | 4423   | African American Health Issues                              | Prerequisite: any course that focuses upon African or African American content, or English 1213. Examines health problems, health status, and health behavior of African American men and women. A life course perspective is emphasized from birth to later life. It is assumed that being African American predisposes persons to health problems that increase the risk of disease or that influence health based on the diversity of cultural beliefs, values, and practices. Access to health services will be addressed. (Irreg.)                |
| AFAM    | 4443   | African American Mental Health                              | Prerequisite: English 1213 or Expository Writing 1213. Introduces issues related to African American mental health in this country. Topics discussed and explored in this course will cover the past, present, and future states of mental health in the African American community. Students will investigate their personal history of mental health and uncover ways that those histories relate to and connect with the issues addressed throughout the course. (F)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| AFAM    | 4463   | African American Psychology                        | Prerequisite: junior standing or departmental permission and successful completion of at least one AFAM course. Examines the psychology of the African American experience with an overview of Black/African American psychology as an evolving field of study and considers the Black/African American Psychology paradigm as one of the key conceptual frameworks for understanding the psychological experiences of African Americans. Explores a range of topics that pertain to the psychological experiences of African Americans such as racism and discrimination, achievement and schooling, kinship and family, racial identity, religion and spirituality, and African American mental health. (F, Su) |
| AFAM    | 4613   | African American Music Traditions                  | Prerequisite: any course that focuses on African or African American content, or English 1213. Examines African cultural retentions in African American music. Emphasis is placed upon traditional African rhythms, attitudes, themes, and sounds. Investigates how these devices inform African American musical traditions. (Irreg.)  |
| AFAM    | 4623   | Hip Hop Culture and Contemporary America           | Prerequisite: any course that focuses on African or African American content, or English 1213. Historical inquiry into behavioral and sociopolitical trends of hip hop culture. Attempts to codify and recognize dominant cultural attitudes, concepts and paradigms as global phenomenon shaping understanding of contemporary African American character, identity, and culture. (Irreg.)   |
| AFAM    | 4633   | African American Religious Traditions              | Prerequisite: any course that focuses on African or African American content, or English 1213. An anthropological and historical inquiry into the nature of the religious experience of Africans enslaved and involuntarily brought to the United States. Emphasis is placed upon the identification and understanding of the central cultural and religious practices and products form black peoples' experiences of the holy. (Irreg.)   |
| AFAM    | 4663   | Race, Power, and Privilege                         | Prerequisite: English 1213/Expository Writing 1213. Focuses on the critical analysis of what it means to be white in the United States, including analysis of the sociocultural construction of race and whiteness; the intersections of racial identity with gender, class, and sexuality; and the relationships among racial identity, power and privilege. (Irreg.)  |
| AFAM    | 4713   | Afrocentric Thinking and the Civil Rights Movement | Prerequisite: any course that focuses on African or African American content, or English 1213. Examines afrocentric thinking and identifies key afrocentric patterns and strategies within the civil rights movement. Students will analyze African American leadership and how leaders brought afrocentric thinking to the forefront. (Irreg.)   |
| AFAM    | 4723   | Leadership in the African American Community       | Prerequisite: any course that focuses on African or African American content, or English 1213. Comprehensive analysis of leadership skills and development from afrocentric perspective applied historically for social change; how these strategies are enacted for empowerment within contemporary society. (Irreg.)  |
| AFAM    | 4733   | Civil Rights Law: Employment and Education         | Prerequisite: any course the focuses on African or African American content, or English 1213. Analyzes civil rights law in employment and education. Focuses on laws that address discrimination, equal employment opportunity, equal educational opportunity and affirmative action, as well as the legal foundation for diversity initiatives. Examines regulations of enforcement agencies, and agency grievance procedures, including selected court cases. (Irreg.)  |
| AFAM    | 4743   | Black Women and Leadership                         | Prerequisite: ENGL 1213 or EXPO 1213, and junior standing. Explores issues and strategies related to the roles and responsibilities of women in leadership positions and public service. The focus will be on African-American female leaders in diverse contexts. Do women have an identifiably different ways of leading? How does leadership manifest itself in the public arena? Why does women's public leadership matter? This course is also designed to examine the historical, sociological, psychological, political, economic, and ethical perspectives related to leadership development and practice. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| AFAM    | 4753   | History of the Black Panther Party                     | Prerequisite: ENGL 1213 or EXPO 1213, or permission of instructor, or sophomore standing. Examines the origins, development, and demise of the Black Panther Party. Its successes and failures are illuminated. The unity and oneness of mind of its members shows that it was one of the most effective protest organizations of the twentieth century. In the process, students will learn about and discuss not only its strengths and weaknesses but also the forces the party often found itself up against. (Irreg.)  |
| AFAM    | 4763   | The History of Lynching and Racial Violence in America | Prerequisite: English 1213 or Expository Writing 1213 with a grade of C or better. Explores the historical development of lynching, survey of lynching and its impact on American society; investigates the ways race, class, gender, and sexuality shaped particular lynching episodes, justifications for the practice and the historical legacy. (Irreg.)  |
| AFAM    | 4813   | Prison Industrial Complex                              | Prerequisite: ENGL 1213 or EXPO 1213, or permission of instructor, or junior standing. The American prison industrial complex is a phenomenon with roots in American prison history, convict leasing, and the proliferation of prison industries. Designed to familiarize students with the phenomenon, how it came to exist, and the impact it has had and is having on American society in general, and on the African American community in particular. (Irreg.)   |
| AFAM    | 4823   | African American Politics and Public Policy            | Prerequisite: ENGL 1213 or EXPO 1213, or permission of instructor, or junior standing. Focuses on the African American experience and politics, examining the history and experience from the civil rights era to the election of President Barack Obama. Materials will discuss grassroots and national political agendas, and explore the politics of topics such as environmental justice, healthcare, literature, music, sexuality and voting. Students will define their own political stances and explore how they would determine a goal, build coalitions, and develop public policy agendas and strategies. Imagine you are advising a president as well as your neighbors. (Irreg.) |
| AFAM    | 4960   | Directed Readings                                      | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| AFAM    | 4970   | Special Topics/Seminar                                 | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| AFAM    | 4990   | Independent Study                                      | Prerequisite: permission of instructor. Permits the student to study in depth, under the guidance of the instructor, particular and special African and African-American topics of interest to the student and within the expertise of the instructor. Generally, students and the instructor meet to determine the nature of independent study, schedule progress reports and meetings, timelines for the submission of assignments, nature of the evaluation process and culminating effort or activity. (F, Sp, Su)  |
| AFAM    | 5999   | Graduate Level Transfer Credit                         | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| AGSC    | 1999   | Lower Division Transfer Credit                         | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| AGSC    | 2014   | The Earth System                                       | An integrated overview of earth sciences emphasizing earth materials, the oceans and atmosphere, the solar system, and earth's evolution. The interrelationship among the different earth systems will be emphasized. Topics will be explored through a learning-cycle approach. The lab component includes both in-class experiments and one field-based research project. Laboratory (Sp) [II-LAB]  |
| AGSC    | 2970   | Special Topics/Seminar                                 | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| AGSC    | 3011   | Career Planning & Development for A&GS Majors | Prerequisite: Junior standing or permission of instructor. Provides students with instruction in the career planning process directly related to their major and, ultimately, the world of work. Research shows that the majority of people lose their jobs because of poor work ethic, not because of aptitude. Course teaches appropriate skills desired by employers across AGS disciplines. Through lecture, discussion, individual projects and guest speakers, the interactive curriculum will cover topics such as behavioral interviewing techniques, self-directed job search strategies and career opportunities in multiple job sectors. As the course progresses, students will develop a career portfolio which includes a career assessment, class notes, handouts, cover letters and resumes (including electronic versions). |
| AGSC    | 3440   | Mentored Research Experience                  | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| AGSC    | 3960   | Honors Reading                                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers topics not usually presented in the regular courses.   |
| AGSC    | 3970   | Honors Seminar                                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| AGSC    | 3990   | Independent Study                             | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| AGSC    | 3999   | Upper Division Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| AGSC    | 4960   | Directed Readings                             | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| AGSC    | 4970   | Seminar                                       | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. Subjects covered vary. Deals with interdisciplinary concepts in atmospheric and geographic sciences not usually covered in regular courses. (Irreg.)   |
| AGSC    | 5960   | Directed Readings                             | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| AGSC    | 5970   | Special Topics/Seminar                        | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. Subjects covered vary. Deals with interdisciplinary concepts in atmospheric and geographic sciences not usually treated in regular courses. (Irreg.)   |
| AGSC    | 5990   | Independent Study                             | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| AGSC    | 5999   | Graduate Level Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| AHS     | 1400   | Orientation To The Health Professions         | Orientation to the health professions. 1 to 2 Hours. Typically, a one-hour survey course to introduce and explore the health professions offered by the colleges of the University of Oklahoma Health Sciences Center. Through a series of lectures, students will interact with educators, practitioners, and students in: audiology, dental hygiene, dentistry, medicine, nuclear medicine, nursing, nutritional sciences, occupational therapy, pharmacy, physical therapy, physician associate, public health, radiation therapy, radiography, sonography, and speech-language pathology. (F, Sp)                                      |
| AHS     | 1999   | Lower Division Transfer Credit                | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| AHS     | 3440   | Mentored Research Experience                  | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| AHS     | 3999   | Upper Division Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| AHS     | 5999   | Graduate Level Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| AME     | 1999   | Lower Division Transfer Credit                | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| AME     | 2113   | Statics                                       | Prerequisite: Physics 2514; MATH 1823 or 1914; MATH 2423 or 2924; and CHEM 1315 all with a minimum grade of C or better with an overall average of 3.0 in these four courses. (AP credit accepted and weighted based upon score.) Mathematics 2433 or 2934 or concurrent enrollment in Mathematics 2433 or 2934. Vector representation of forces and moments: general three-dimensional theorems of statics; centroids and moments of area and inertia. Free-body diagrams, equilibrium of a particle and of rigid bodies, distributed loads, friction and internal shear and moment loads. Analysis of trusses, frames, and machines. (F) |
| AME     | 2213   | Thermodynamics                                | Prerequisite: Physics 2514; MATH 1823 or 1914; MATH 2423 or 2924; and CHEM 1315 all with a minimum grade of C or better with an overall average of 3.0 in these four courses. (AP credit accepted and weighted based upon score.) Mathematics 2433 or 2934; and Physics 2524, or concurrent enrollment in MATH 2433 or 2934 and PHYS 2524. First and second law of thermodynamics are developed and applied to the solutions of problems from a variety of engineering fields. Extensive use is made of differential calculus to interrelate thermodynamics functions. (F)   |
| AME     | 2223   | Introduction to Aerospace Engineering         | Prerequisite: PHYS 2514; MATH 1823 or 1914; MATH 2423 or 2924; and CHEM 1315 all with a minimum grade of C or better with an overall average of 3.0 in these for courses. (AP credited accepted and weighted based upon score.) Introduction to the foundational dynamics of aerospace vehicles, propulsion system performance, and basic aerodynamic forces and conventions. (F)  |
| AME     | 2281   | Engineering Co-Op Program                     | (Crosslisted with CH E, CEES, CS, ECE, ENGR, EPHY, GE, IE, PE 2281) Prerequisite: student participation in the program. The Co-Op program provides student placement in jobs outside the University, but in a position related to the student's major. On completion of a semester work period, the student submits a brief written report. One hour of credit (elective) granted for each work period; maximum credit six hours. (F, Sp, Su)  |
| AME     | 2303   | Materials, Design and Manufacturing Processes | (Crosslisted with I E 2303) Prerequisite: 2113 or Civil Engineering 2113 or Engineering 2113. Mechanical and physical properties of engineering materials. Introduction to design concepts, manufacturing processes and equipment used in engineering. (Sp)  |



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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| AME     | 2402   | Engineering Computing                     | Prerequisite: Mathematics 1823 or 1914 or concurrent enrollment. Introduction to computer programming and university computing facilities. Program design and development: computer application exercises in engineering. (F)   |
| AME     | 2533   | Dynamics                                  | Prerequisite: AME 2113, MATH 2433 or 2934. Dynamics (kinematics and kinetics) of particles and rigid bodies for rectilinear, curvilinear and angular motion; work and energy methods; conservations of impulse and momentum; introduction to mechanical vibrations. (Sp)  |
| AME     | 2623   | Circuits and Sensors                      | Prerequisite: Physics 2514; MATH 1823 or 1914; MATH 2423 or 2924; and CHEM 1315 all with a minimum grade of C or better with an overall average of 3.0 in these four courses. (AP credit accepted and weighted based upon score.) Mathematics 3413 and 3401 or concurrent enrollment; Physics 2524 or concurrent enrollment. Formulation and solution of circuit equations, network theorems, sinusoidal steady-state analysis, simple transients. Introduction to digital logic circuits. Physical principles of sensing and actuation. Applications to engineered systems of computer programming, embedded systems, and controls. (Sp) |
| AME     | 3103   | Interactive Engineering Design Simulation | Prerequisite: AME 3143, Solid Mechanics; and AME 3153, Fluid Mechanics or AME 3253, Aerodynamics. Visualization and introductory finite element modeling techniques for product design and development. Three-dimensional CAD modeling, components and assemblies, graphic standards, dimensions and tolerances, engineering drawings. Introduction to finite element methods for structural and fluid mechanics problems, with verification. (Sp)  |
| AME     | 3112   | Solid Mechanics Lab                       | Prerequisite: 2113 or Engineering 2113; 3143 or concurrent enrollment. Measurement of displacement; velocity, acceleration, force, torque, strain, stress, data acquisition and processing; data analysis. Laboratory (F)   |
| AME     | 3122   | Heat Transfer and Fluid Mechanics Lab     | Prerequisite: 2113 or Engineering 2113, 3173 or concurrent enrollment. Basic measurement concepts in fluid mechanics and thermal science. Concepts and methods of measuring pressure, temperature, flow, thermal and transport properties. Data acquisition and analysis. Laboratory (Sp)   |
| AME     | 3143   | Solid Mechanics                           | Prerequisite: 2113 or Engineering 2113, Mathematics 3113, or 3413 and 3401. Concepts of stress and strain; mechanical behavior of engineering materials; analysis of uniform stress states; analysis of members in torsion; stresses and deflections in beams; modes and theories of failure; design criteria. (F)  |
| AME     | 3153   | Fluid Mechanics                           | Prerequisite: AME 2113, AME 2213, and Mathematics 3113. Principles of fluid mechanics: fluid statics, flow descriptions, conservation equations, dimensional analysis, potential flow, viscous flow and internal flow. (F)  |
| AME     | 3173   | Heat Transfer                             | Prerequisites: AME 2213, AME 3153. Heat transfer by conduction, convection, and radiation; mass transfer and combined modes of heat transfer. (Sp)  |
| AME     | 3253   | Aerodynamics                              | Prerequisite: 2223, 2533, Mathematics 3413 and 3401. Fluid properties, fluid statics, flow description, conservation equation; incompressible inviscid flow dynamics; characteristic airfoil parameters; two-dimensional flow around thin airfoils; flow around wings of finite span; boundary layer development; compressibility; governing equations for inviscid compressible flow normal and oblique shock relations; Prandtl-Meyer expansion waves; quasi-one dimensional flow through nozzles and diffusers. (F)  |
| AME     | 3272   | Windtunnel Laboratory                     | Prerequisite: AME 3253 or concurrent enrollment. Operation and calibration of a subsonic wind tunnel. Experimental testing of airfoils, model airplanes, and aerodynamic shapes. Calibration and use of balance and associated test equipment. Laboratory (F)   |
| AME     | 3333   | Flight Mechanics                          | Prerequisites: AME 2223, AME 2533, and AME 3253. Classical linear stability analysis and equations of motion in the body frame for rigid body aircraft. Static and dynamic analysis of aircraft open loop stability. Aircraft design topics including weight and balance, trim, and control sizing. (Sp)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| AME     | 3353   | Design of Mechanical Components               | Prerequisite: 2303 and 3143. Analysis and design of mechanical subsystems and selection of elements such as gears, shafts, clutches, brakes and modern mechanical components. (Sp)   |
| AME     | 3363   | Design of Thermal-Fluid Systems               | Prerequisites: AME 2402 or C S 1313 or C S 1323, AME 3153 or AME 3253, and AME 3173. Design of fluid flow, heat transfer and energy systems including analysis, synthesis and optimization. Topics include but are not limited to: ducts and piping systems, fluid machinery, heat exchangers, thermal storage devices, furnaces, combustors, refrigeration and air conditioning systems. (F)  |
| AME     | 3413   | Vibrating Systems                             | Prerequisite: 2533 and Mathematics 3113. Free and forced vibrations in lumped-parameter linear systems of one, two or more degrees of freedom. Resonance phenomena, dynamic absorbers; vibration-measuring equipment. Introduction to Laplace transforms and transient vibrations, distributed systems. (Irreg.)   |
| AME     | 3523   | Aerospace Structural Analysis                 | Prerequisites: AME 3143, MATH 3401 and MATH 3413. Advanced concepts of stress and strain; introduction to the analysis of aerospace engineering structures; complex bending and torsion, shear flows in thin-walled and stringer-skin sections; buckling; introduction to the finite element method; introduction to composite materials. (Sp)   |
| AME     | 3623   | Embedded Real-Time Systems                    | Prerequisite: 2623 or equivalent, Computer Science 1313 or 1323 or equivalent. The fundamentals of real-time embedded systems are covered including processes, scheduling, frequency requirements, and watchdog timers. Includes work with actual real-time systems. (Sp)  |
| AME     | 3723   | Numerical Methods For Engineering Computation | Prerequisites: AME 2402 or CH E 2002 or ENGR 2003 or C S 1313 or C S 1323, and MATH 3113 or MATH 3413. Course uses specific software applications tailored toward aerospace and mechanical engineering. Basic methods for obtaining numerical solutions with a digital computer. Included are methods for the solutions of algebraic and transcendental equations, simultaneous linear equations, ordinary and partial differential equations, and curve fitting techniques. The methods are compared with respect to computational efficiency and accuracy. Any student who earns credit for AME 3723 cannot receive duplicate credit for C S 3723, CH E 3723, or P E 3723. This course may not be taken for graduate credit within the College of Engineering. (F) |
| AME     | 3960   | Honors Reading                                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Coverage includes materials not usually presented in the regular courses. (F, Sp, Su)   |
| AME     | 3970   | Honors Seminar                                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. The projects covered will vary. Deals with concepts not usually presented in regular coursework. (F, Sp, Su)   |
| AME     | 3980   | Honors Research                               | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work on a special project in the student's field. (F, Sp, Su)   |
| AME     | 3990   | Independent Study                             | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| AME     | 3999   | Upper Division Transfer Credit                | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| AME     | 4143   | Nanocomposites                                | (Slashlisted with 5143) Prerequisite: 3143 or permission from instructor. Nanostructured materials and their interactions with polymer matrices; dispersion of nanoparticles and nanotubes; surface and interfaces; structure and characterization of nanophases; synthesis and processing of structural nanocomposites; characterization of properties of nanocomposites; nanomechanics of elastic moduli; potential applications and design. No student may earn credit for both 4143 and 5143. (Irreg.)   |

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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| AME     | 4163   | Principles of Engineering Design      | Prerequisites: AME 3103, AME 2533, AME 3353. Design process and methodology from concept through analysis, layout and prototyping. Types of design problems, human element in design, computer aid in design, specification development, concept generation, concept evaluation, product generation, function and performance evaluation, prototyping, design for manufacturing, design for assembly, design for life-cycle, sustainability, final product documentation, inclusive intergroup communication, ethics, safety and economics. (F)                 |
| AME     | 4193   | Introduction to Computer Aided Design | Prerequisite: senior standing in an Engineering curriculum and knowledge of a computer programming language. Topics include: computer-aided design, engineering, drafting and manufacturing; CAD systems, geometry, computer graphics, hardware, design synthesis. System demonstrations and labs. (Irreg.)   |
| AME     | 4213   | Biomechanics I                        | (Slashlisted with 5213) Prerequisite: 3143 and 3153 or permission of instructor. Introduction to physiological systems with emphasis on structure and function of tissues and organs; application of continuum mechanics to understanding of tissue and organ behavior at microscopic and macroscopic levels; viscoelastic and solid biomaterials. No student may earn credit for both 4213 and 5213. (F)   |
| AME     | 4243   | Aerospace Propulsion Systems          | Prerequisites: AME 2213 and AME 3253. Propulsion systems, review of compressible flow, combustion and thermochemical analysis, gas turbine and jet engines, rocket vehicles, chemical rockets. This course is approved for graduate credit. (F)   |
| AME     | 4263   | Computer Integrated Manufacturing     | (Slashlisted with 5263) Prerequisites: AME 2303 or permission of instructor. A general understanding of computer-based methods for manufacturing and assembly of mechanical products. The concept and methods for product manufacturing and assembly will be introduced from design viewpoint. No student may earn credit for both 4263 and 5263. (Irreg.)  |
| AME     | 4273   | Aerospace Systems Design I            | (Slashlisted with 5273) Prerequisites: AME 3103, AME 3253, AME 3333, and AME 3523 or permission of the instructor. Analysis, design, and optimization of an aerospace system. Performance analysis, mission simulation, and multi-disciplinary optimization of flight vehicles using both classical and modern design and analysis methods. No student may earn credit for both 4273 and 5273. Laboratory (F)   |
| AME     | 4283   | Concurrent Design and Manufacturing   | Prerequisite: 2303, 2533, and 3143. The general concepts and methods in performing concurrent design and manufacturing for product development. Fundamental design theories and methods such as utility theory, state transition matrix method, game theory, and system life-cycle modeling and optimization will be introduced. No student may earn credit for both 4283 and 5283. (F)   |
| AME     | 4303   | Designing for Open Innovation         | (Slashlisted with 5303) Prerequisite: All seniors in engineering, business, and the sciences or permission of the instructor. Open innovation; designing for sustainability; realizing new complex engineered systems; system definition, verification and validation; identifying and managing dilemmas; Blooms Taxonomy; white space competencies, energy systems. No student may earn credit for both 4303 and 5303. (Irreg.)  |
| AME     | 4373   | Aerospace Systems Design II           | (Slashlisted with 5373) Prerequisite: AME 4273 or permission of the instructor. Synthesis course that emulates a team aircraft design program from conceptual design to flight test and mission evaluation. Conceptual design, preliminary analysis, detailed CAD, FEA, and CFD analysis; optimization of aircraft configuration. Advanced design, analysis, and fabrication methods based on a complete flight vehicle, a propulsion system, a structural system, or a control system. Laboratory. No student may earn credit for both 4373 and 5373. (Sp) [V] |
| AME     | 4383   | Control Systems                       | Prerequisite: 2533, Mathematics 3413 and 3401. Introduction to the concepts and theory of feedback control systems. Representation of electromechanical systems and aerospace vehicles by transfer and state variable methods. Stability and performance analysis, design techniques and synthesis methods for linear control systems. (F)  |

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| Subject | Number | Title                                  | Course Description   |
|---------|--------|--|--|
| AME     | 4442   | Internal Combustion Engines Laboratory | Prerequisite: 3122 or graduate standing. Test equipment and instrumentation, propulsion systems, reciprocating engines, supercharger fuel systems, tests and evaluation. Lecture and Laboratory (Sp)   |
| AME     | 4493   | Space Sciences and Astrodynamics       | (Slashlisted with 5493) Prerequisites: PHYS 2524, MATH 2443 or 2934. Selected topics in astrophysics which may include astrodynamics, stellar structure and evolution, stellar pulsation, supernovae black holes, interstellar medium, galactic structure and clusters and superclusters, active galaxies, quasars, and cosmology. No student may earn credit for both 4493 and 5493. (F)  |
| AME     | 4513   | Flight Controls                        | (Slashlisted with 5513) Prerequisites: AME 3333 and AME 4383. Classical and modern control theory with applications to aircraft flight control system design. No student may earn credit for both 4513 and 5513. (F)   |
| AME     | 4553   | Design Practicum                       | Prerequisite: senior standing, 3363 and 4163. Design study of actual problems in industry. Lecture and Laboratory (Sp) [V]   |
| AME     | 4593   | Space Systems and Mission Design       | (Slashlisted with 5593) Prerequisite: 4493 or permission from instructor. Topics include basic orbital mechanics, orbit determination, perturbations, numerical techniques, interplanetary transfer, influence of space environment, atmospheric re-entry. Space vehicles subsystems design; propulsion, attitude determination and control, structural design, thermal control, power and telecommunications. Investigation into mission design concepts and consideration. No student may earn credit for both 4593 and 5593. (Sp) |
| AME     | 4653   | Air Conditioning Systems               | Prerequisite: 3173. Theory and design of systems for controlling properties such as temperature, humidity, air purity, air distribution and noise in enclosures. (Sp)  |
| AME     | 4802   | Robotics Laboratory                    | Prerequisites: 3112, Computer Science 1313 or equivalent, or graduate standing. Hands-on studies of robot systems with emphasis on semi-autonomous mobile robots. Mechanical, electrical and computational features of robots will be investigated. Lecture and Laboratory (F)   |
| AME     | 4822   | Fluid and Thermal Laboratory           | Prerequisite: 3173; 3122 or equivalent or graduate standing. May be repeated with change of content; maximum credit six hours. Experimental studies in heat transfer or fluid mechanics. Lecture and Laboratory (F)  |
| AME     | 4832   | Micro and Nanomaterials Lab            | Prerequisites: AME 3112, AME 3143 or equivalent or graduate standing. Introduction of experimental analysis and characterization techniques of different types of advanced materials to include polymeric micro composite materials and nanocomposites. Topics include fabrication methods. Determination of mechanical properties, microstructural analysis, nondestructive determination of properties of isotropic and anisotropic solids and microscopy techniques. Laboratory. (Irreg.)   |
| AME     | 4960   | Directed Readings                      | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| AME     | 4970   | Special Topics/Seminar                 | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| AME     | 4971   | Seminar                                | (Slashlisted with 5971) Prerequisite: senior standing. May be repeated without limit; maximum credit one hour for a B.S. degree. Recent developments in selected subjects in aerospace and mechanical engineering presented by invited experts from on and off campus. No student may earn credit for both 4971 and 5971. (F, Sp)  |
| AME     | 4980   | Undergraduate Research Studies         | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated; maximum credit six hours. Work with various faculty members on individual research projects. The nature of the research and the hours credit varies. (F, Sp, Su)  |

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| Subject | Number | Title                      | Course Description   |
|---------|--------|----------------------------|--|
| AME     | 4990   | Independent Study          | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| AME     | 5023   | Elastic Stress Analysis    | Prerequisite: 3143 and Mathematics 3113; or permission. Theory of stress for continuous media, large displacement strain theory, stress-strain relations for elastic media, plane elasticity, application of theory to modern engineering problems. (F)  |
| AME     | 5063   | Composite Materials        | Prerequisite: 3143 or permission. Nature and scope of composite materials; stress-strain relations and strength of a single layer of a laminated composite; laminated composite-material beams, plates and cylindrical shells; micromechanics and characterization of stiffness, fracture and transport properties; applications and optimal design. (Irreg.)  |
| AME     | 5113   | Robot Mobility             | Prerequisite: Graduate standing or instructor permission. Material focuses on issues of mobility over different types of surfaces for robot systems. Topics include: mobility solutions from biology, soil interaction, legged locomotion, wheeled locomotion, track locomotion, hybrid systems, energy efficiency, and implementation techniques. (F)   |
| AME     | 5123   | Robot Planning and Control | Prerequisite: graduate standing or instructor permission. Material focuses on issues of sensing, modeling kinematic for autonomous robot systems. Topics include: mobility kinematics and dynamics, sensors, effectors, sensor fusion, spatial representation, planning and control architectures and system integration. (F)  |
| AME     | 5133   | Space Robotics             | Prerequisite: graduate standing or instructor permission. Material focuses on issues of orbital and planetary surface robotics. Topics include: Micro gravity and rough natural terrain mobility, attitude control, propulsion, thermal control, telecommunications, the space environment, space compatible sensors, materials and actuators. (F)   |
| AME     | 5143   | Nanocomposites             | (Slashlisted with 4143) Prerequisite: 3143, graduate standing or permission of instructor. Nanostructured materials and their interactions with polymer matrices; dispersion of nanoparticles and nanotubes; surface and interfaces; structure and characterization of nanophases; synthesis and processing of structural nanocomposites; characterization of properties of nanocomposites; nanomechanics of elastic moduli; potential applications and design. No student may earn credit for both 4143 and 5143. (Irreg) |
| AME     | 5163   | Turbomachinery             | Prerequisite: 3153 or permission. Energy transfer between a fluid and a rotor; flow of fluids in turbo machines; centrifugal pumps and compressors; radial and axial flow turbines; axial flow compressors and pumps; comparison of types. (Sp)  |
| AME     | 5203   | Bioengineering Principles  | (Crosslisted with BME 5203 and CH E 5203) Prerequisite: Mathematics 3113 and Physics 2524. Principles of bioengineering for the areas of the biomechanics of solids and fluids, mass transfer, biomaterials, electrical networks, imaging, and ionizing radiation as they apply to the human body. Moral and ethical issues in bioengineering are also studied. No student may earn credit for both 4203 and 5203. (Alt. F)  |
| AME     | 5213   | Biomechanics I             | (Slashlisted with 4213; Crosslisted with BIOE 5213) Prerequisite: 3143 and 3153 or permission of instructor. Introduction to physiological systems with emphasis on structure and function of tissues and organs; application of continuum mechanics to understanding of tissue and organ behavior at microscopic and macroscopic levels; viscoelastic and solid biomaterials. No student may earn credit for both 4213 and 5213. (F)  |
| AME     | 5223   | Biomechanics II            | (Slashlisted with 4223; Crosslisted with BIOE 5223) Prerequisite: 3143 and 3153 or permission of instructor. Biofluid mechanics; non-Newtonian behavior of blood and body fluids; basic mechanical properties of muscle, bone, cartilage, and other living tissues; application of continuum mechanics to circulation; growth and change of living organs in response to stress and strain. No student may earn credit for both 4223 and 5223. (Sp)  |
| AME     | 5233   | Biomaterials               | (Slashlisted with 4233; Crosslisted with BIOE 5233) Prerequisite: junior or senior standing in the College of Engineering and permission of instructor. Introduction to materials used in biomedical environment, the design and use of implantable materials, such as metals, polyethylene, ceramics, and composites, biocompatibility, test methods, and tissue growth on biomaterials. No student may earn credit for both 4233 and 5233. (Sp)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                               | Course Description  |
|---------|--------|-------------------------------------|---|
| AME     | 5263   | Computer Integrated Manufacturing   | (Slashlisted with 4263) Prerequisite: graduate standing in engineering or permission of instructor. A general understanding of computer-based methods for manufacturing and assembly of mechanical products. The concept and methods for product manufacturing and assembly will be introduced from design viewpoint. No student may earn credit for both 4263 and 5263. (Irreg.)   |
| AME     | 5273   | Aerospace Systems Design I          | (Slashlisted with 4273) Prerequisites: AME 3103, 3253, 3333, 3523 or permission of the instructor. Analysis, design, and optimization of an aerospace system. Performance analysis, mission simulation, and multidisciplinary optimization of flight vehicles using both classical and modern design and analysis methods. No student may earn credit for both 4273 and 5273. Laboratory (F)  |
| AME     | 5283   | Concurrent Design and Manufacturing | Prerequisite: graduate standing in engineering. The general concepts and methods in performing concurrent design and manufacturing for product development. Fundamental design theories and methods such as utility theory, state transition matrix method, game theory, and system life-cycle modeling and optimization will be introduced. No student may earn credit for both 4283 and 5283. (F)   |
| AME     | 5293   | Transport in Biological Systems     | (Crosslisted with BME 5293 and CH E 5293) Prerequisite: Chemical Engineering 3123 or permission of instructor. Theoretical and practical aspects of transport phenomena in living organisms and biomedical technologies. Applications include hemorheology, drug delivery, extracorporeal circulation, and artificial organs. (Irreg.)  |
| AME     | 5303   | Designing for Open Innovation       | (Slashlisted with 4303) Prerequisite: Graduate standing in engineering, business, natural sciences, or permission of instructor. Open innovation; designing for sustainability; realizing new complex engineered systems; system definition, verification and validation; identifying and managing dilemmas; Blooms Taxonomy; white space competencies, energy systems. No student may earn credit for both 4303 and 5303. (Irreg.)   |
| AME     | 5333   | Thermodynamics and Combustion       | Prerequisite: Engineering 2213 or permission. Thermodynamics of non-reacting and reacting mixtures, chemical equilibrium, flame temperature, transport processes in combustion, chemical kinetics, fuels and their combustion properties, premixed and diffusion flames, deflagrations and detonations, practical combustion systems, pollutant emissions. (F)  |
| AME     | 5373   | Aerospace Systems Design II         | (Slashlisted with 4373) Prerequisite: AME 4273 or permission of the instructor. Synthesis course that emulates a team aircraft design program from conceptual design to flight test and mission evaluation. Conceptual design, preliminary analysis, detailed CAD, FEA, and CFD analysis; optimization of aircraft configuration. Advanced design, analysis, and fabrication methods based on a complete flight vehicle, a propulsion system, a structural system, or a control system. No student may earn credit for both 4373 and 5373. Laboratory. (Sp) |
| AME     | 5493   | Space Sciences and Astrodynamics    | (Slashlisted with 4493) Prerequisite: PHYS 2524, MATH 2443 or MATH 2934. Selected topics in astrophysics, the solar system; basic orbital mechanics, orbit determination and maneuvers, perturbations, numerical techniques, rendezvous and proximity operations, the N-body problem and approximations, interplanetary transfers. Design considerations. No student may earn credit for both 4493 and 5493. (F)  |
| AME     | 5513   | Flight Controls                     | (Slashlisted with 4513) Prerequisites: permission of instructor. Classical and modern control theory with applications to aircraft flight control system design. No student may earn credit for both 4513 and 5513. (F)   |
| AME     | 5573   | Advanced Engineering Analysis I     | Prerequisite: Mathematics 3413 or equivalent. Vector and tensor analysis. Calculus of variations followed by variational methods and/or the method of weighted residuals. (Irreg.)  |
| AME     | 5593   | Space Systems And Mission Design    | (Slashlisted with 4593) Prerequisite: 4493 or permission from instructor. Topics include basic orbital mechanics, orbit determination, perturbations, numerical techniques, interplanetary transfer, influence of space environment, atmospheric re-entry. Space vehicles subsystems design; propulsion, attitude determination and control, structural design, thermal control, power and telecommunications. Investigation into mission design concepts and consideration. No student may earn credit for both 4593 and 5593. (Sp)                        |

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| Subject | Number | Title                                     | Course Description   |
|---------|--------|---|--|
| AME     | 5710   | Topics in Solid Mechanics                 | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit nine hours for master's degree or twelve hours for a doctoral degree. Selected topics in continuum mechanics, such as theory of continuum mechanics, finite element methods, fatigue analysis and fracture mechanics.   |
| AME     | 5720   | Topics in Fluid Mechanics                 | 1 to 3 hours. Prerequisite: 5903 or permission of instructor. May be repeated with change of content; maximum credit nine hours for master's or 12 hours for a doctoral degree program. Concentration in a particular field of specialization in fluid mechanics, such as: rotating flows; hypersonic flow theory; advanced aerodynamics; advanced stability theory; plasma and laser dynamics. (Irreg.)   |
| AME     | 5740   | Topics in Design                          | Prerequisite: permission of instructor. May be repeated with change of content; maximum credit nine hours for master's or 12 hours for doctoral degree program. Selected topics in conceptual, preliminary and final design; CAD and optimization applications.  |
| AME     | 5750   | Topics in Dynamics and Controls           | Topics In Dynamics And Controls. 1 To 3 Hours. Prerequisite: Permission Of Instructor. May Be Repeated With Change Of Content; Maximum Credit Nine Hours For Master's Or Twelve Hours For A Doctoral Degree Program. Selected Topics In Dynamics And Control Systems, Such As: Advanced Structural Dynamics, Dynamics Stability Of Non-Conservative Systems, And Discontinuous Control Systems. (Irreg.)   |
| AME     | 5763   | Introduction to the Finite Element Method | (Crosslisted with CEES 5763) Prerequisite: graduate standing. Weighted residual and variational approaches. Finite element formulation for rod, truss and beam elements; plane stress and plane strain problem; axisymmetric and three-dimensional analysis; isoparametric elements; conforming and nonconforming plate and shell elements. (Sp)   |
| AME     | 5773   | Structural Optimization                   | Prerequisite: 5763 or equivalent, or permission of instructor. An introduction to optimization and to the optimization of simple structures modeled by the finite element method. Specifically truss structures will be optimized by various methods for minimum weight, subject to constraints such as strength and displacement. (F)   |
| AME     | 5803   | Principles of Heat Transfer               | Prerequisite: 3173 or permission. Steady and transient heat conduction in multi-dimensional systems, convective heat transfer for external flows, convective heat transfer for internal flows, radiant heat transfer in lumped systems, integral equations of thermal radiation, and combined mode heat transfer. (F)  |
| AME     | 5890   | Guided Individual Studies                 | 1 to 4 hours. Prerequisite: graduate standing and permission. May be repeated; maximum credit nine hours. May be subject to restricted applicability for specific degree requirements. Guided study of selected topics not offered in regularly scheduled classes. Arrangements and work requirements established by prior agreement of instructor and student(s). Students should expect to spend at least sixty hours of reading and study for each credit hour. (F, Sp, Su) |
| AME     | 5903   | Fundamental Fluid Dynamics                | Prerequisite: 3153, 5573 or concurrent enrollment, or permission. Basic laws of fluid motion; Navier-Stokes equations, kinematics of the flow field, vorticity and circulation, basic theorems for inviscid, incompressible flows, potential-flow application, exact solutions. (F)  |
| AME     | 5913   | Viscous Fluid Dynamics                    | Prerequisite: 5903 or permission. Fundamental exact solutions of viscous flow; Stokes' flow, boundary-layer flow, drag and resistance to motion, elements of heat transfer, effects of compressibility, thin shear layers, jets and wakes, elements of turbulence. (Sp)  |
| AME     | 5933   | Aeroelasticity                            | Prerequisite: 3143 or equivalent, 3253. Review of structural and aerodynamic theorems. The steady aeroelastic equations and solution methods; divergence and rolling effectiveness. The flutter equations and solution methods; panel flutter; the transonic flutter problem. (Irreg.)   |
| AME     | 5953   | Turbulence I                              | Turbulence I. Prerequisite: 5913 Or Permission. Description Of Turbulence; Reynolds Averaging, Momentum Equations And Energy Budgets For The Mean Flow And Fluctuations. Mean Velocity Profiles, Skin Friction And Spreading Rates For Shear Flows In Various Geometries, Origin Of Turbulence From Flow Instability. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| AME     | 5960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| AME     | 5970   | Special Topics/Seminar                                     | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| AME     | 5971   | Seminar  | (Slashlisted with 4971) Prerequisite: graduate standing. May be repeated without limit; maximum credit two hours for master's degree or four hours for a doctoral degree. Recent developments in selected subjects in aerospace and mechanical engineering presented by invited experts from on and off campus. No student may earn credit for both 4971 and 5971. (F, Sp)  |
| AME     | 5980   | Research for Master's Thesis                               | Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. (F, Sp, Su)   |
| AME     | 5983   | Computational Fluid Dynamics                               | Prerequisite: 5573, 5903, 5973, or permission of instructor. Methods for the numerical solution of the Euler, boundary-layer, Navier-Stokes and parabolized Navier-Stokes equations. (Irreg.)   |
| AME     | 5990   | Special Projects   | 1 to 9 hours. Prerequisite: graduate standing and permission of instructor. May be repeated but total credit applicable to any degree may be limited. Individual or group R & D projects involving original laboratory, analytical or theoretical investigations and syntheses. Specific objectives and work requirements established by prior agreement of the instructor and student. Students should expect to spend at least 60 hours for each credit hour and to submit appropriate reports or papers. (F, Sp, Su) |
| AME     | 5999   | Graduate Level Transfer Credit                             | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| AME     | 6033   | Fracture Mechanics   | Prerequisite: 5023 or equivalent. Elastic crack-tip stress field, crack-tip plastic zone, energy principle, plane strain fracture toughness, crack opening displacement criterion, fatigue crack propagation and applications. (Irreg.)   |
| AME     | 6333   | Combustion Processes II                                    | Prerequisite: 5333 or permission of instructor. Heterogeneous reaction kinetics, liquid droplet and spray combustion, solid particle combustion, kinetically controlled phenomena, fire related problems, pollutant generation and control. (Irreg.)  |
| AME     | 6663   | Advanced Finite Element Methods                            | (Crosslisted with CEES 6663) Prerequisite: 5763. Selected topics such as: nonlinear material problems, plasticity, creep (visco-plasticity), fracture, etc.; geometrically nonlinear problems; large displacements and structural stability; dynamic problems and analytical solution procedures; soil-structure interactions, application of the finite element method to fluid and heat transfer problem. (Irreg.)  |
| AME     | 6960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| AME     | 6970   | Advanced Topics In Aerospace And/Or Mechanical Engineering | Prerequisite: permission of instructor. May be repeated with change of content; maximum credit nine hours for a master's and twelve hours for doctoral degree program. Selected advanced topics in all aspects of aerospace and/or mechanical engineering.  |
| AME     | 6980   | Research for Doctoral Dissertation                         | Research for Doctoral Dissertation. (F, Sp, Su)   |
| AME     | 6990   | Independent Study  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| AMGT    | 1999   | Lower Division Transfer Credit                             | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |



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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| AMGT    | 3440   | Mentored Research Experience                   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| AMGT    | 3999   | Upper Division Transfer Credit                 | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| AMGT    | 5013   | Overview of Arts Management and Administration | Prerequisite: graduate standing. This class will present an overview and historical perspective of the field of arts administration and management. Readings will be supplemented by guest speakers and visits to professional organizations enhancing the students understanding of the diversity of the professional opportunities in arts administration and arts management. No student may earn credit for both Amgt 4013 And Amgt 5013. (Irreg)  |
| AMGT    | 5023   | Comparative Culture Policy Studies             | Prerequisite: graduate standing or permission of instructor. Study cultural policy as it affects a variety of institutions in a number of countries in order to better comprehend national differences in cultural policy. No student may earn credit for both 4023 and 5023. (Irreg.)   |
| AMGT    | 5030   | Internship I in The Arts                       | Prerequisite: graduate standing or permission of the instructor. May be repeated; Maximum credit: twelve hours. Students arrange for and work in a focused professional work experience. No students may earn credit for both 4030 and 5030 for the same internship. (Irreg.)  |
| AMGT    | 5113   | Grant Writing And Fundraising                  | Prerequisite: Graduate standing. Examines the role of grant writing, fundraising and resource development in nonprofit organizations. Various grant writing and fundraising techniques and development efforts will be examined. This class will give students a general, but effective working knowledge of grant writing and fundraising. The readings will be supplemented by visiting speakers representing various arts organizations or granting agencies presenting lecturers, leading discussions and/or conducting workshops regarding fundraising and grant writing. No student may earn credit for both 4113 and 5113. (Irreg.) |
| AMGT    | 5130   | Internship II in the Arts                      | Prerequisite: graduate standing or permission of the instructor. May be repeated; maximum credit: twelve hours. Students arrange for and work in a focused professional work experience. No student may earn credit for both 4130 and 5130 for the same internship. (Irreg.)   |
| AMGT    | 5143   | Media Relations for Arts Administrators        | Prerequisite: graduate standing or permission of instructor. Helps develop the skills and perspective necessary for arts managers to interact positively and proactively with the media. No student may earn credit for both 4143 or 5143. (Irreg.)  |
| AMGT    | 5153   | Art Market Issues                              | Prerequisite: graduate standing or permission of instructor. Study of the recent development of an expanded international art market that has profound implications for cultural policy and presents some practical issues for art managers. No student may earn credit for both 4153 and 5153. (Irreg.)   |
| AMGT    | 5163   | Current Issues in Arts Management              | Prerequisite: graduate standing. A topical review of current issues and events in the arts with a particular focus on those events affecting the arts manager. The readings and discussions will vary each semester and may focus on newly released research reports, changing demographic trends or events chronicled in the press that affect the arts either on a micro (local) or macro (national or international) level. No student may earn credit for both 4163 and 5163. (Irreg.)   |

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| Subject | Number | Title                            | Course Description   |
|---------|--------|----------------------------------|--|
| AMGT    | 5253   | Producing Practicum              | Prerequisite: graduate standing. Students will assist the producer/director of a production of a theatre, choral, opera, concert, dance, musical theatre, or film/video production. Students may also work closely with a curator in the mounting of an exhibition. Students will be expected to work closely with the producer/director in all aspects of the selected production. An analysis of the production process will be required in the form of a paper or other suitable analytical document. No student may earn credit for both 4253 and 5253. (Irreg.) |
| AMGT    | 5563   | Museum Management And Leadership | Prerequisite: Graduate standing. In-depth study of the philosophy, policies, and practices of museum governance, including such topics as ethics, board development, institutional mission and organization. (Irreg.)  |
| AMGT    | 5960   | Directed Readings                | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review on selected topics under the direction of a faculty member. (Irreg.)  |
| AMGT    | 5970   | Special Topics/Seminar           | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| AMGT    | 5990   | Independent Study                | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| AMGT    | 5999   |                                  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| ANTH    | 1113   | General Anthropology             | An introduction to the anthropological way of thinking about culture, language, social organization, religion, gender, prehistory, the rise of civilization, evolution and fossil hominins. Anthropological perspectives on the roles culture and biology play in influencing modern and ancient diversity of human behavior will be explored. (F, Sp, Su) [III-SS]  |
| ANTH    | 1203   | Language Across Cultures         | (Crosslisted with LING 1203) Theories of language family origins and their relationship to human migration; types of human languages; linguistic concept of genetic relatedness; writing systems development; non-Western sociolinguistic and usage phenomena; cultural and scientific importance of endangered languages; how languages become endangered; factors involved in preservation. This course may not count for major credit. (Sp) [IV-NW]   |
| ANTH    | 1253   | Folklore and Folklife            | Introduces the academic study of folklore and folklife by introducing four key concepts: Tradition, community, art and performance. Verbal folklore, material culture, performance genres and customary knowledge will be examined. Issues of cultural diversity and historical change will be addressed. Special emphasis will be placed on exploring traditional cultures in the United States and Europe. (F) [IV-AF]   |
| ANTH    | 1413   | Great Discoveries in Archaeology | Introduces students to the accomplishments of ancient civilizations around the world. A brief overview of archaeological methods and research and of the precursors of civilizations. Concentrates on major civilizations of the world including Mesopotamia, Europe, Egypt, sub-Saharan Africa, India, China, Southeast Asia, Mesoamerica, South America, and the North American Midwest. (F) [IV-NW]   |
| ANTH    | 1613   | Native Peoples of Oklahoma       | (Crosslisted with ENGL 1613) A general introduction to the history, cultural traditions and current condition of the 38 diverse Native American tribes who now reside in Oklahoma. (F, Su) [IV-NW]   |
| ANTH    | 1823   | Religion in Everyday Life        | This course focuses on the variety of religious phenomena found throughout the world and the theoretical approaches anthropologists use to account for them. Using ethnographic studies of belief in practice, we will seek to understand the role that religions play in the human experience. (F, Sp) [IV-NW]  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ANTH    | 1913   | Plagues and People: Health and Disease in Human Society | The study of the impact of diseases such as malaria, bubonic plague, and AIDS on human society, from their effects on populations to how they have influenced the course of history. Identification of social and cultural factors, conditions that influence and impede the spread of contagious diseases, ethical issues concerning the treatment of the sick, and policies designed to halt epidemics will be examined. The contemporary threat of biological weapons and the impact on local and national public health efforts in the U.S. will be discussed. (Irreg.) [III-SS] |
| ANTH    | 1999   | Lower Division Transfer Credit                          | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| ANTH    | 2203   | Global Cultural Diversity                               | A survey of global cultures, introducing students to the diversity of human organization, behavior, and worldviews, including modes of livelihood, political organization, religious practices, gender systems, kinship structures, social inequality, and the effects of globalization. (F, Sp, Su) [IV-NW]   |
| ANTH    | 2253   | Human and Animal Interaction Across Cultures            | Examines the variety of ways we think, feel, and interact with animals across cultures. Emphases include the roles of animals; humans' ideas, attitudes, and emotions toward animals; and how these manifest in our behavior toward them. Moral quandaries/contradictions around animal treatment will be examined. The ultimate goal of this course is for students to come away with a broadened notion of human-animal interaction and an awakened curiosity about these frequently take-for-granted cross-species relationships. (Irreg.) [IV-NW]                                |
| ANTH    | 2303   | General Linguistics                                     | (Crosslisted with LING 2303) Humanistic and formal study of natural languages: how they are similar to and different from one another in their use of speech sounds, logical structures and mechanisms that integrate events, objects and speakers in spatio-temporal contexts. The relationship between language and culture; language acquisition and language change. (F, Su) [I-O]   |
| ANTH    | 2533   | Exploring Human Evolution                               | This course is designed to provide an introductory survey of basic tenets of biological anthropology and human evolution, with an emphasis on the multiple interrelationships between human culture and human biology. Material to be covered will include elementary genetics, evolution, adaptation, and the history of key anthropological discoveries. The key goals of the class will be to investigate the nature of evolutionary processes and the multiple ways evolution has shaped humankind as a species. (F)   |
| ANTH    | 2613   | Native Peoples of North America                         | An introduction to the native societies and cultures north of Mexico from pre-Columbian times to the present. (Sp, Su) [IV-NW]   |
| ANTH    | 2643   | Anthropology of Diet, Health, and Disease               | An introduction to the field of food, health and nutritional anthropology. Nutrition is a key component of human health, and an area of increasing concern for anthropologists. The class will cover human growth and development, sustainable agriculture, and global patterns of health and disease. (Sp) [III-SS]   |
| ANTH    | 2953   | Topics in Anthropology                                  | May be repeated with change of topic; maximum credit nine hours. Topics will vary. Acquaints the student with a topic within a subdiscipline of anthropology including anthropological theory and methods. (Irreg.)  |
| ANTH    | 2970   | Special Topics/Seminar                                  | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.  |
| ANTH    | 3063   | Language and Culture                                    | Prerequisite: ANTH 2303. The relationships between language and the rest of culture, with emphasis on diachronic as well as synchronic problems. Such crucial issues as the limitation of language on thought and perception and language and conceptualization are also considered. (F, Sp) [IV-NW]   |
| ANTH    | 3083   | Advanced Studies in Folklore and Expressive Culture     | Prerequisite: junior standing or 3 hours of ANTH. Introduces students to the critical study of folklore and public culture. The effects of folklore and public culture on human social interaction and how we interpret and understand these effects will be studied. Topics include festivals, foodways, folk arts and crafts, and musical and other performance genres. (Irreg.)   |

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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| ANTH    | 3113   | Principles of Archaeology               | Prerequisite: sophomore standing or 3 credit hours in ANTH or concurrent enrollment in 3 credit hours of ANTH or permission of the instructor. To acquaint the beginning student with the discipline of archaeology as it is now practiced within the science of anthropology. (F, Sp) [III-SS]   |
| ANTH    | 3203   | Introduction to Biological Anthropology | Prerequisite: Sophomore standing or 3 credit hours in ANTH or concurrent enrollment in 3 credit hours of ANTH or permission of the instructor. Examines human biology within an evolutionary context. Course content includes a history of evolutionary thought from before Darwin to present; basic genetics; primate biology and behavior; human evolution and the fossil record; human biological variation; and human adaptation. (F, Sp)                                 |
| ANTH    | 3253   | Applied Anthropology                    | Prerequisite: ANTH 2203. Explores the application of anthropological knowledge to real-life problems. Will learn how anthropological concepts, methods, and insights may help us to understand and solve problems that affect our species. (Irreg.)   |
| ANTH    | 3263   | Studies in Ethnography                  | Prerequisite: 1113, or 2203 or 2243. Examines the relationship between theory and method in selected ethnographic studies. (Irreg.)   |
| ANTH    | 3373   | Archaeology of Death and Burial         | Prerequisite: junior standing or 3 hours of ANTH. Provides a cross-cultural survey of mortuary practices in the ancient world and examines how such practices shaped, and were shaped by, the lifestyles and world views of people in our past. (Irreg.)  |
| ANTH    | 3423   | Anthropology of Religion                | Prerequisite: Junior standing or 3 hours of ANTH. A consideration of the nature and role of religion in small-scale societies. Emphasis will be given to the relationship of the various anthropological approaches to religion with the intellectual history of anthropology as a discipline. (Irreg.) [IV-NW]   |
| ANTH    | 3440   | Mentored Research Experience            | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| ANTH    | 3453   | Contemporary Native American Issues     | Prerequisite: English 1213/Expo 1213 or junior standing. A survey of the social, political and economic issues of modern Native American groups. The relationship between native tribal cultures and American economic and government interests will be examined. (Irreg.) [IV-NW]  |
| ANTH    | 3503   | Oklahoma Prehistory                     | Prerequisite: junior standing or 3 hours of ANTH. Traces the evolution of Oklahoma's native people from specialized early hunters of 12,000-30,000 years ago to protohistoric villagers representing links to contemporary Indian tribes. The emphasis is on adaptation to diverse environmental settings and evolution of complex societies. (Irreg.) [IV-NW]  |
| ANTH    | 3553   | Peoples of the Pacific Islands          | Prerequisite: junior standing or 3 hours of ANTH. An ethnographic and historical survey of the various peoples of the Pacific (Indonesia, Australia, Melanesia, Micronesia, Polynesia) with emphasis on the peopling of Oceania and varying cultural and social developments and elaborations on an insular environment. (F, Sp) [IV-NW]  |
| ANTH    | 3573   | Native American Health and Healing      | Prerequisite: junior standing or 3 hours of ANTH. Studies the cultural patterning of health and disease in native North America, examining both historical and contemporary health disparities and their social context. Focuses on interactions between traditional medical systems and biomedicine and the ways Native people draw upon traditional teachings about healthy lifeways to address health challenges and create culturally appropriate health policy. (Irreg.) |
| ANTH    | 3713   | Native American Artistic Traditions     | Prerequisite: junior standing or 3 hours of ANTH or NAS coursework. Covers the artistic traditions of Native Americans and how these traditions offer insight into the thinking, lifeways, beliefs, and philosophies of differing groups of native peoples. Artisans, orations, music and dance will be explored, as well as kinship, infant care, concepts of death and self-respect. (Sp) [IV-NW]   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ANTH    | 3743   | American Indian Justice in Cultural Law                     | Prerequisite: junior standing or 3 hours of ANTH or NAS coursework. Designed to enhance understanding of the relationship between American Indians, social control, and cultural laws. How traditional means of justice were applied to deviant behaviors which affected the social harmony and goodwill of the entire group are studied. (F, Sp) [IV-NW]  |
| ANTH    | 3783   | The Anthropology of Slavery and Captivity                   | Prerequisite: junior standing or 3 hours of ANTH. Examines slavery from the anthropological and historical perspectives and specifically seeks to expand students' understanding of the experiences of slaves in Africa, North America, and in South Asia. The origins of slavery, how slavery in Africa and the Americas existed before and after colonization by Europeans, and issues of race, power, and resistance will be explored. (F, Sp)  |
| ANTH    | 3803   | Asian Prehistory  | Prerequisite: junior standing or 3 hours of ANTH. A survey of the archaeological remains from the Asian continent beginning with the Paleolithic and continuing through to the beginning of the Historic period. Some emphasis will be placed on the development of Chinese civilization. (Irreg.) [IV-NW]   |
| ANTH    | 3810   | Internship in Linguistic Anthropology                       | Prerequisite: 1113, 2303 and six additional credit hours in Anthropology. May be repeated. Maximum credit six hours. Designed to provide training in linguistic anthropology. Internships are arranged on an individual basis with professional linguistic anthropologists or with professionals working in a setting in which cultural linguistic research can be performed. Students must meet criteria for acceptable performance and submit a final paper. (F, Sp, Su)   |
| ANTH    | 3853   | Music, Language and Culture                                 | Prerequisite: junior standing or permission of instructor. Explores the recent wave of literature on the common roots of language and music, covering everything from their foundations in social interaction to their biological expression and development in evolutionary terms. (Irreg.)   |
| ANTH    | 3873   | Primate Evolution and Behavior                              | Prerequisite: ANTH 3203 or junior standing or permission of instructor. Course looks at primates, our closest living relatives, with particular emphasis on the evolution and ecology of primate behavior, and uses evolutionary theory as the underlying theoretical perspective. (Irreg.) [II-NL]  |
| ANTH    | 3883   | Archaeology of South America                                | Prerequisite: junior standing or 3 hours of ANTH. A survey of the archaeological remains from South America with special emphasis on the development of civilization. (F, Sp) [IV-NW]  |
| ANTH    | 3893   | Maya, Aztec and Inca: High Civilizations of Ancient America | Prerequisite: junior standing or 3 hours of ANTH. An archaeological and ethnological study of the pre-Spanish cultures of Mesoamerica and the Central Andes giving primary emphasis to the Maya of Yucatan, the Aztec of Mexico and the Inca of Peru. (F, Sp) [IV-NW]  |
| ANTH    | 3910   | Internship in Biological Anthropology                       | Prerequisite: ANTH 3203 and six additional credit hours in anthropology. May be repeated; maximum credit six hours. Designed to provide field and/or laboratory training in biological anthropology. Internships are arranged on an individual basis with professional biological anthropologists. Students must meet criteria for acceptable performance and submit a final paper. (Sp, Su)   |
| ANTH    | 3920   | Internship in Museum Anthropology                           | Prerequisite: junior standing or 6 hours of ANTH. May be repeated; maximum credit six hours. Designed to provide hands-on training in anthropological museum work. Internships are arranged on an individual basis with professional museum anthropologists or with professionals working in a museum in which anthropology-oriented museum work is undertaken. Students must meet criteria for acceptable performance and submit a final report. (F, Sp, Su)  |
| ANTH    | 3930   | Fieldwork in Archaeology                                    | 1 to 8 hours. Prerequisite: ANTH 3113 or sophomore standing or permission of instructor. May be repeated; maximum credit eight hours. Designed to teach the student field methods in archaeology through actual participation in a field program using a combination of lectures, lab, discussion, and/or research. The subject matter depends upon the specific summer session and varies from year to year. The course is given during the summer session and the length of the class will vary with the project. (Su) |

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| Subject | Number | Title                               | Course Description   |
|---------|--------|-------------------------------------|--|
| ANTH    | 3940   | Internship in Archaeology           | Prerequisite: ANTH 3113. May be repeated; maximum credit six hours. Designed to provide advanced archaeological field and/or laboratory training for students who already have some archaeological field and/or laboratory experience. Internships are arranged on an individual basis with professional archaeologists. Students must meet criteria for acceptable performance and submit a final report. (F, Sp, Su)   |
| ANTH    | 3943   | Psychological Anthropology          | Prerequisite: junior standing or 3 hours of ANTH. Survey of anthropological studies that make systematic use of psychological concepts and methods; emphasis on the relationship between individual experience and sociocultural phenomena; how the history of the field has influenced current methodological approaches; and topics of interest. (Irreg.)  |
| ANTH    | 3950   | Internship in Cultural Anthropology | Prerequisite: Six credit hours in cultural anthropology. May be repeated; maximum credit six hours. Designed to provide field training in cultural anthropology. Internships are arranged on an individual basis with professional cultural anthropologists or with professionals working in a setting in which cultural anthropology research can be performed. Students must meet criteria for acceptable performance and submit a final report. (F, Sp, Su)   |
| ANTH    | 3953   | Proseminar in Anthropology          | Prerequisite: junior standing or 3 hours of ANTH. May be repeated; maximum credit six hours. Topics will vary and are intended to acquaint undergraduate majors with subdisciplines through specialized study involving anthropological theory, methodology, the preparation, development and writing of reports. (F, Sp)  |
| ANTH    | 3960   | Honors Reading                      | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Honors Reading will provide students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given in this course only after an intensive oral examination. (F, Sp) |
| ANTH    | 3980   | Honors Research                     | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project under the guidance of a professor in the student's major department. (F, Sp)  |
| ANTH    | 3990   | Independent Study                   | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| ANTH    | 3999   | Upper Division Transfer Credit      | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| ANTH    | 4003   | Museum Anthropology I               | Prerequisite: junior standing or 3 hours of ANTH. Introduces the student to a wide range of topics and issues in the practice of anthropology in museums. Museums will be examined as cultural, political, and educational institutions. Students will gain exposure to exhibition design, collection curations, and museum operations. (F)  |
| ANTH    | 4023   | Museum Anthropology II              | Prerequisite: 4003. Consideration of the philosophical and practical issues of education programs in museum settings. Case studies in community-museum relations. Planning and development of exhibit and program components. Policies and procedures or curatorial practice for collection preservation and documentation. (Sp)   |
| ANTH    | 4033   | Story, Performance, Event           | (Slashlisted with 5033) Prerequisite: ANTH 2303 and junior standing. Covers the verbal art and performance aspects of linguistic anthropology. Focuses on oral storytelling as we have come to understand it and will have as its main concern how people tell stories. Students will get an overview of verbal art and performance where and when storytelling occurs. No student may earn credit for both 4033 and 5033. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ANTH    | 4053   | Morphology   | (Slashlisted with 5053; Crosslisted with LING 4053) Prerequisite: 3053 and 3353. Introduces and develops theories and concepts of morphology including word formation, derivation, inflection, non-concatenative morphs, covert categories, prosodic phenomena, morphosyntactic categories and clitics. Data from non-Western languages will be prominent. No student may earn credit for both 4053 and 5053. (Irreg.)                        |
| ANTH    | 4063   | Language Contact, Loss, and Revitalization             | Prerequisite: 2303 and junior standing. Covers the linguistic, social and cultural factors involved in contact-induced language change and language shift, and on the main trends and literature in revitalization and maintenance of endangered languages. Students gain experience in practical applications of language revitalization, focusing on languages of the Americas. No student may earn credit for both 4063 and 5063. (Irreg.) |
| ANTH    | 4073   | Anthropology of Jews and Jewishness                    | Prerequisite: junior standing or 3 hours of ANTH. Explores major anthropological issues through the lens of ethnography conducted in Jewish communities around the world. The particular combinations of race, religion, ethnicity, identity, and gender as they are understood and expressed by Jews cross-culturally challenge our understanding of continuity and change in human societies. (Irreg.)                                      |
| ANTH    | 4083   | Genetic Perspectives on Human Evolution                | Prerequisite: ANTH 3203 or 3 hours of Biology. Introduction to the field of population genetics; in essence, how biological evolution works. (Irreg.)   |
| ANTH    | 4103   | People and Plants                                      | Prerequisite: junior standing or 3 hours of ANTH. Examines the direct relationships between people and plants, focusing on traditional peoples of the world. Topics include paleoethnobotany, folk classification, agriculture, hallucinogens and medicines. (Irreg.) [III-SS]  |
| ANTH    | 4113   | Anthropology Capstone                                  | Prerequisite: ANTH 2203, ANTH 2303, ANTH 3113, ANTH 3203, and senior standing. Important historical and contemporary ideas and theories in anthropology. Content varies by semester. (Irreg.) [V]   |
| ANTH    | 4133   | Experimental Archaeology                               | (Slashlisted with 5133) Prerequisite: ANTH 3113. Focus on the theoretical and practical applications of experimental approaches to understanding the past in order to place them in their proper context within archeology. No student may earn credit for both 4133 and 5133. Laboratory. (Irreg.)   |
| ANTH    | 4143   | Economy and Culture: Production, Exchange, Consumption | Prerequisite: junior standing or 3 hours of ANTH. Introduction to the issues, methods, and concepts of economic anthropology. Included are issues of production, distribution, and consumption in non-Western and Western societies. Other topics include the comparison of gifts and commodities, inequality, economy as a moral system, and the evolution of global economies. (Irreg.)   |
| ANTH    | 4163   | The Study of Material Culture                          | (Slashlisted with 5163) Prerequisite: junior standing or 3 hours of ANTH. Focuses on the study of the things people make and the broader social contexts in which objects are used, circulated, made meaningful, and consumed. Methods and theories developed in geography, folklore, cultural anthropology, archeology, and related social sciences will be examined. No student may earn credit for both 4163 and 5163. (F)                 |
| ANTH    | 4183   | Anthropology of Diet & Nutrition                       | Prerequisite: ANTH 3203 or permission of instructor. Surveys the evolution of human diet, from the foods of our earliest ancestors to the contents of today's supermarkets. Covers the definition of food, human nutritional requirements, major dietary transitions and food innovations in human history, the roots of world cuisine, the modern food industry, and current and future food challenges. (Irreg.)                            |
| ANTH    | 4193   | Human Adaptability                                     | (Slashlisted with 5193) Prerequisite: ANTH 3203 or permission of instructor. The study of biological adaptations of human populations to environmental conditions. Human adaptability as a subfield of physical/biological anthropology will be examined from historical, theoretical, and methodological perspectives. No student may earn credit for both 4193 and 5193. (Irreg.)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ANTH    | 4223   | The Anthropology of Childhood  | Prerequisite: English 1213/Expository Writing 1213. Explores global and deep historical perspectives on childhood, using methods from cultural anthropology. Specific attention is paid to beliefs and practices regarding reproduction and childbirth, infancy and toddlerhood, learning and school, adolescence and sexuality, and early adulthood and parenting. Course materials will emphasize understanding the role of social and cultural context in shaping the experiences of children and families. (Irreg.)[IV-NW] |
| ANTH    | 4233   | Seminar in Advanced Curatorial Practice                              | Prerequisite: ANTH 4023. Provides opportunities for advanced instruction and practical experience in the curation and utilization of anthropology collections. (F)   |
| ANTH    | 4253   | The Anthropology of Communities                                      | (Slashlisted with 5253) Prerequisite: junior standing or 3 hours of ANTH. Designed to introduce students to the community in applying anthropological field techniques and theory. While gaining training in method and theory in class, students will be given assignments to execute in community settings. Particular emphasis will be placed on ethnicity, gender and seniority as ethnological parameters. No student may earn credit for both 4253 and 5253. (Irreg.)  |
| ANTH    | 4283   | Curriculum & Teaching Materials Development for Endangered Languages | (Slashlisted with 5283) Prerequisite: ANTH/LING 2303 and junior standing. Provides tools to create maximally useful teaching and learning materials for under-studied languages. Focuses on teaching methods that emphasize language for actual day-to-day communication and language curricula that is culturally situated. No student may earn credit for both 4283 and 5283. (Irreg.)   |
| ANTH    | 4303   | Women and Development in Africa                                      | (Slashlisted with 5303) Prerequisite: junior standing or 3 hours of ANTH. Examines women's involvement in economic development in Africa. Some consideration will be given to family structure and social stratification, as well as women's participation in the social, political and economic spheres. Avenues for viable social change will also be considered. No student may earn credit for both 4303 and 5303. (Irreg.) [IV-NW]  |
| ANTH    | 4313   | Introduction to Native American Languages                            | (Slashlisted with 5313) Prerequisite: 2303. Survey course into the nature and distribution of Native American languages, with a focus on North and Meso America. Topics include the typology of native languages, language families and real features and cultural domains, and language contact. This course will not satisfy the foreign language requirements. No student may earn credit for both 4313 and 5313. (Irreg.)  |
| ANTH    | 4323   | The Anthropology of Aging  | (Slashlisted with 5323) Prerequisite: English 1213/Expository Writing 1213. Examines the process and experience of aging as it relates to culture, and what it means to get older in a variety of cultural contexts, including the United States. Special attention will be devoted to cultural ideas about aging, the roles of older people, illness, caregiving, dying, and what it means to age well in a variety of cultures. No student may earn credit for both 4323 and 5323. (Irreg.) [IV-NW]                          |
| ANTH    | 4330   | Topics in Linguistic Anthropology                                    | (Slashlisted with 5330) 1 to 4 hours. Prerequisite: 2303. May be repeated with change of content; maximum credit twelve hours. Intensive examination of new developments in the field of anthropological linguistics. Topics reflect interests of faculty, but may include issues of language revitalization, language shift, multilingualism, language and identity, storytelling traditions, language change, or language contact. No student may earn credit for both 4330 and 5330 on the same topic. (Irreg.)             |
| ANTH    | 4343   | The Archaeology of Belief: Religion and Cosmology in the Past        | Prerequisite: junior standing or 3 hours of ANTH. Explores how archaeologists identify and understand the religious practice and belief of people in the past. Focusing specifically on archaeological data, topics covered include inequality, ritual practice, materiality, symbolism, landscape and architectural perspectives, worldview and ontology, and the origins and evolution of religious ideas. (Irreg.)  |
| ANTH    | 4363   | Linguistic Field Methods   | (Crosslisted with LING 4363) Prerequisite: 2303, 3053, and 3353. An introduction to all phases of linguistic field techniques including training in the selection of informants, the use of recording devices, and most important, the actual collection and analysis of linguistic materials. (Irreg.)  |



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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ANTH    | 4373   | Dictionaries and the Lexicon                  | (Slashlisted with 5373) Prerequisite: ANTH/LING 1203 and junior standing. Provides an opportunity to gain knowledge of lexical semantics and the practical application of and problems in lexicography, including the research, planning, construction, and distribution of a dictionary. Uses current software to produce an on-line dictionary of a lesser-studied language aimed at student learners. No student may earn credit for both 4373 and 5373. (Irreg.) |
| ANTH    | 4383   | Archaeological Origins of Inequality          | Prerequisite: junior standing or 3 hours of ANTH. Examines the origins of human inequality using archaeological data. The focus will be on social and political inequality that emerged with the development of hierarchical societies, but will also address gender and age inequalities. (Irreg.)  |
| ANTH    | 4413   | Public Archaeology                            | (Slashlisted with 5413) Prerequisite: ANTH 3113. Focus is on the articulation of academic training in archaeology with current federal rules and regulations; and educational outreach concerning archaeological research and goals. Emphasis is on the preservation and management of archaeological resources. No student may earn credit for both 4413 and 5413. (Irreg.)   |
| ANTH    | 4423   | Introduction to Population Genetics           | (Slashlisted with 5423) Prerequisite: ANTH 3203 or 3 hours of BIOL. Population genetics is a classic course in biological anthropology sciences, and studies the fundamental forces that cause genetic change within and between populations. No student may earn credit for both 4423 and 5423. (Irreg.)  |
| ANTH    | 4443   | Visual Anthropology                           | Prerequisite: junior standing or 3 hours of ANTH. Explores the historical and contemporary use of media to represent culture, and examines the changes in styles of ethnographic film from direct cinema and observational cinema to reflexivity, personal cinema, indigenous media, and collaboration between ethnographic filmmaker and film subject. (Irreg.) [IV-NW]   |
| ANTH    | 4463   | Peopling of the New World                     | (Slashlisted with 5463) Prerequisite: ANTH 1413 or ANTH 3113 or permission of instructor. Introduces the dynamic domain of the earliest human colonization of the Americas. Focuses on such key "peopling" debates as the geographic origins of First Americans; when people first arrived in the New World; and if and how ancient human skeletal remains should be studied. No student may earn credit for both 4463 and 5463. (Irreg.)                            |
| ANTH    | 4483   | Contemporary Native American Language Studies | (Slashlisted with 5483) Prerequisite: 2303. This course is a study of Native American languages focusing on issues of language contact, multilingualism, performance, and writing systems. Central themes include the richness of polysynthesis and the relationship between grammatical structures and culture. Course concludes with a discussion of language loss and revitalization. No student may earn credit for both 4483 and 5483. (Irreg.)                 |
| ANTH    | 4503   | Anthropological Perspectives on Globalization | Prerequisite: junior standing or 3 hours of ANTH. Discusses cultural changes brought about by multidirectional global interconnectedness and what these mean for people around the globe affected by recent rapid transformations. Ethnographic examples of resistance, response, and reinterpretation, and the myriad ways people invent to differentiate themselves from one another, offer challenges to the notion of a "global culture." (Irreg.)               |
| ANTH    | 4523   | Anthropology of Media                         | Prerequisite: junior standing or 3 hours of ANTH. Examines the complex relationship between culture and media focusing on nationalism, gender, ethnicity, class, transnationalism, diaspora and indigeneity. Analysis of the capacity of media to impact social life and examines whether media can create social change and transform social ties while expressing contemporary identities. (Irreg.)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ANTH    | 4553   | Human Evolutionary History   | (Slashlisted with 5553) Prerequisite: ANTH 3203 or permission of instructor. Biological anthropology course focusing on paleoanthropology, and concerned with the examination of the origins of modern humans. The focus is on evolutionary theory, paleoanthropology research methods, the primate (especially hominid and hominin) fossil/archaeological record, and major trends and debates in paleoanthropology. No student may earn credit for both 4553 and 5553. (Irreg.)      |
| ANTH    | 4593   | Anthropology of Human Reproduction                                 | Prerequisite: ANTH 3203 or junior standing. Examines the major features of human fertility and reproduction, exploring the interactions between physiology, ecology, and behavior. The course applies an anthropological perspective to such issues as cross-cultural patterns of fertility, the timing and probability of conception, age at first and last reproduction, and male reproductive physiology. (Irreg.) [II-NL]  |
| ANTH    | 4603   | Human Variation  | (Slashlisted with 5603) Prerequisite: ANTH 3203. Provides an understanding of human biological variation from an evolutionary, historical, and anthropological perspective. An examination of the history of classification of human variation, including concepts of race; the genetic basis of variation, including variation in discrete and complex traits; population-based variation; and human behavioral genetics. No student may earn credit for both 4603 and 5603. (Irreg.) |
| ANTH    | 4623   | Approaches to Cross-Cultural Human Problems                        | Prerequisite: junior standing or 3 hours of ANTH. Introduces students to the complex problems of contemporary global-scale cultures and helps them better understand their place on this global arena. This course will look at specific international issues or problems, and relate them to processes occurring in many parts of the world. (Irreg.) [IV-NW]   |
| ANTH    | 4633   | Cultures & Communities of Latin America                            | Prerequisite: junior standing or 3 hours of ANTH. Using ethnographic evidence, we will examine the legacy of the conquest and the development of modern states and identities in parts of Mesoamerica, central America, South America, and the Caribbean. (Irreg.) [IV-WC]   |
| ANTH    | 4643   | Psychiatric Anthropology   | (Slashlisted with 5643) Prerequisite: junior standing or 3 hours of ANTH. Explores historical and contemporary thinking about culture and mental illness, and examines classic formulations of the relationship between anthropology and psychiatry. No student may earn credit for both 4643 and 5643. (Irreg.)   |
| ANTH    | 4663   | Native Peoples of the Plains                                       | (Slashlisted with 5663) Prerequisite: junior standing or 3 hours of ANTH. An ethnographic and historical survey of the native peoples of the Plains culture area of North America. No student may earn credit for both 4663 and 5663. (Irreg.)   |
| ANTH    | 4673   | Anthropology of the Caddoan People                                 | Prerequisite: junior standing or 3 hours of ANTH. Integrates linguistic, ethnographic, historical and archaeological data to study the origin, spread and character of the Caddoan-speaking tribes who occupied the Plains' eastern border at the time of the earliest European contact. (Irreg.)  |
| ANTH    | 4683   | Quantitative Data Analysis in the Social Sciences and Anthropology | Prerequisite: Mathematics 0123 and junior standing or permission of instructor. Covers the analysis of quantitative data focusing on exploratory data analysis; exploratory multivariate analysis; and the use of computers to collect, manipulate, graph, and understand data. Focuses on applied statistics as related to the types of data common to studying people which include social science and health data. (Irreg.) [I-O]   |
| ANTH    | 4713   | Statistical Concepts in Anthropology                               | Prerequisite: junior standing or 3 hours of ANTH. An introduction to anthropological statistics. Emphasis will be placed on anthropological research design and analysis of anthropological data. (Irreg.)   |
| ANTH    | 4723   | Gender and Health  | Prerequisite: junior standing or 3 hours of ANTH. Provides an overview of the complex scientific and cultural interface between sex, gender, and health. Topics covered include gender identity and biological sex, various life cycles issues such as birth, sexual maturity, reproduction, and post-reproductive years. No student may earn credit for both 4723 and 5723. (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ANTH    | 4743   | Culture Contact in the New World                      | Prerequisite: junior standing or 3 hours of ANTH. Examines culture contact and colonialism using archaeological data. The main focus of the course will be on European colonialism in the new world, but other cases may be examined. Historical, ethnographic, and linguistic data will also be discussed. (Irreg.) [IV-NW]   |
| ANTH    | 4763   | Archaeological Analysis: Methods, Theory and Practice | Prerequisite: ANTH 3113 or ANTH 3930 or permission of instructor. Devoted to the laboratory phase of analyzing archaeological data derived from survey or excavation. The procedures and methods used for classifying and studying the raw data provided by the fieldwork. Laboratory (Irreg.)   |
| ANTH    | 4783   | Landscape Archaeology                                 | Prerequisite: junior standing or 3 hours of ANTH. Introduces the method and theory of landscape archaeology, which is the study of how humans experience, modify, and respond to their natural and social environments. Archaeological and contemporary case studies will be examined using methods like environmental reconstruction, geoarchaeology, remote sensing, and GIS, to examine human-natural systems, resilience and vulnerability, sacred landscapes, monumentality, and mobility. (Irreg.)             |
| ANTH    | 4813   | Archaeology of North America                          | (Slashlisted with 5813) Prerequisite: junior standing or 3 hours of ANTH. A course in the prehistory of the American Indian. Study of the prehistory of North America north of Mexico. Consideration of the various archeological areas of the continent in terms of the prehistoric sequence of events from the earliest times up to European contact. No student may earn credit for both 4813 and 5813. (Irreg.) [IV-NW]  |
| ANTH    | 4823   | Medical Anthropology                                  | (Slashlisted with 5823) Prerequisite: junior standing or permission of instructor. An introduction to the field of medical anthropology, the subfield of anthropology that focuses on the interaction of culture and biology in the areas of health, medicine and disease. Medical anthropology offers a unique perspective on how people cope with disease and how medical systems are constructed. Includes theoretical and topical overviews of the field. No student may earn credit for both 4823 and 5823. (F) |
| ANTH    | 4833   | Archaeology of the Great Plains                       | Prerequisite: junior standing or 3 hours of ANTH. A detailed survey of the archaeological remains from the Great Plains from the earliest occupation of the area until the reservation period. (Irreg.)  |
| ANTH    | 4843   | Cross-Cultural Study of Sex, Gender and Sexuality     | (Slashlisted with 5843) Prerequisite: junior standing or 3 hours of ANTH. A consideration of ethnographic material that challenges understandings of the relationships among sex, gender, and sexuality. Topics include language, socialization, segregation and inequality, gender variance and "third gender" categories, sexual practices and identities, and transsexual and transgender phenomena. No student may earn credit for both 4843 and 5843. (Irreg.) [IV-NW]  |
| ANTH    | 4853   | Archaeology of the Greater Southwest                  | Prerequisite: junior standing or 3 hours of ANTH. A detailed survey of the prehistoric sequence in the American Southwest and northwestern Mexico from earliest times up to the time of European contact. (Irreg.)   |
| ANTH    | 4863   | Archaeology of the Southeast                          | (Slashlisted with 5863) Prerequisite: junior standing or 3 hours of ANTH. A study of the prehistoric and early historic Native American culture histories. Some attention will be given to historic African and European cultures in the Southeast. Emphasis will be placed on long-term social change, pan-regional trends and colonial transformations. No student may earn credit for both 4863 and 5863. (Irreg.)  |
| ANTH    | 4873   | Desert Cultures of North America                      | Prerequisite: junior standing or 3 hours of ANTH. Anthropological study of various cultures, prehistoric and historic, including Indian, Spanish and modern American, as they reflect adaptation to arid environments in western North America; the relationship between aridity and human culture. (Irreg.) [III-SS]  |
| ANTH    | 4903   | Race and Ethnicity                                    | Prerequisite: junior standing or 3 hours of ANTH. Introduces a broad spectrum of issues, concepts and methods in the anthropology of race and ethnicity. The goal is to teach students to think, read and write critically about race and ethnicity from a cross-cultural perspective, a strategy that encourages better understanding of the various forms of structural oppression that structure everyday lives. (Irreg.)   |

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| Subject | Number | Title                               | Course Description  |
|---------|--------|-------------------------------------|---|
| ANTH    | 4930   | Advanced Fieldwork in Anthropology  | 1 to 8 hours. Prerequisite: permission of instructor or advisor and ANTH 3930 or equivalent experience. May be repeated; maximum credit eight hours. Designed to teach the student advanced field methods in archaeology, ethnology or linguistics through actual participation in a field program using a combination of lectures, lab, discussion, and/or research. Will involve supervision of other students and advanced responsibilities. The subject matter depends upon the specific summer session and varies from year to year. The course is given during the summer session for a period of eight weeks. (Su) |
| ANTH    | 4943   | Human Osteology and Paleopathology  | Prerequisite: ANTH 3203 or permission of instructor. Allows the student to develop a basic familiarity with human skeletal remains, standard anatomical terminology, and methods and techniques of data collection. In turn, these osteological skills will provide a means to explore questions of human adaptability, variation, evolution, patterns of health and disease in prehistory, and the applicability of these findings to contemporary problems. (Irreg.)  |
| ANTH    | 4953   | Special Topics in Anthropology      | Prerequisite: junior standing, 3 hours of ANTH, or permission of the instructor. May be repeated with change of content; maximum credit six hours. Topics will vary and are intended to acquaint the advanced anthropology major with subdisciplines through specialized study involving anthropological theory, methodology, the preparation, development and writing of reports. (Irreg.)   |
| ANTH    | 4960   | Directed Readings                   | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| ANTH    | 4970   | Special Topics/Seminar              | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| ANTH    | 4973   | Introduction to Faunal Analysis     | (Slashlisted with 5973) Prerequisite: ANTH 3113. An introductory-level look at animal bone analysis as performed by archaeologists and zooarchaeologists. The bones of birds, fish, reptiles, amphibians, and mammals, as well as mollusk shell, are discussed under the topics of taxonomy, taphonomy, age and sex determination, morphometrics, seasonality, and specialized techniques. No student may earn credit for both 4973 and 5973. (Irreg.)  |
| ANTH    | 4980   | Bachelor of Arts Thesis             | 1 to 6 hours. Prerequisite: anthropology major; junior standing. May be repeated; maximum credit six hours. Original research in cultural anthropology, biological anthropology, archaeology, or anthropological linguistics. The research will be done under the auspices of an appropriate faculty member; a written thesis on the research is required. (Irreg.)   |
| ANTH    | 4990   | Independent Study                   | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| ANTH    | 5001   | Professionalization in Anthropology | Prerequisite: graduate standing. Prepares students for graduate school and careers in Anthropology. Topics covered include publishing, grant writing, professional conduct, expectations in graduate school, and more. (F)  |
| ANTH    | 5003   | Sociocultural Theory                | Prerequisite: graduate standing, anthropology majors only. An introduction to the fundamentals of sociocultural theory, major theorists, historical foundations, and contemporary debates in sociocultural theory. Does not serve as a prerequisite for 5123 or 5223. (F)   |
| ANTH    | 5013   | Phonetics and Phonemics             | Prerequisite: graduate standing. This class focuses on the phonetic and phonological skills needed for describing world languages. Topics covered under phonetics include articulatory phonetics, ear training, and using acoustic computer programs. Topics in phonology will cover variation and allomorphy in many languages, writing phonological rules, and the analysis of tone and stress. (F)   |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| ANTH    | 5033   | Story, Performance, Event                  | (Slashlisted with 4033) Prerequisite: graduate standing. Covers the verbal art and performance aspects of linguistic anthropology. Focuses on oral storytelling as we have come to understand it and will have as its main concern how people tell stories. Students will get an overview of verbal art and performance where and when storytelling occurs. No student may earn credit for both 4033 and 5033. (Irreg.)   |
| ANTH    | 5043   | Folklore, Folklife, And Expressive Culture | Prerequisite: graduate standing. Introduces the academic study of folklore and folklife. Focus is on theories and methods used to document and interpret expressive culture, including a wide array of verbal, material, performance, and customary genres. Ethnographic, comparative, literary, geographic, historical, and psychological perspectives will be explored. Emphasis will be placed on contextual studies understanding art in community settings. (Irreg.) |
| ANTH    | 5053   | Morphology                                 | (Slashlisted with 4053; Crosslisted with LING 5053) Prerequisite: ANTH 3053 and ANTH 3353 and graduate standing. Introduces and develops theories and concepts of morphology including word formation, derivation, inflection, non-concatenative morphs, covert categories, prosodic phenomena, morphosyntactic categories and clitics. Data from non-Western languages will be prominent. No student may earn credit for both 4053 and 5053. (Irreg.)                    |
| ANTH    | 5063   | Language Contact, Loss, and Revitalization | Prerequisite: 2303 and graduate standing. Covers the linguistic, social and cultural factors involved in contact-induced language change and language shift, and on the main trends and literature in revitalization and maintenance of endangered languages. Students gain experience in practical applications of language revitalization, focusing on languages of the Americas. No student may earn credit for both 4063 and 5063. (Irreg.)                           |
| ANTH    | 5073   | Anthropology of Religion                   | Prerequisite: graduate standing. This graduate seminar embraces an approach to the anthropology of religion that is both interdisciplinary and rooted in particular places and historical contexts. The goal is to provide grounding in traditional approaches to the subject that will serve as a framework for practice-oriented ethnography of contemporary religion in various contexts. (Irreg.)   |
| ANTH    | 5083   | Quantitative Methods in Anthropology       | Prerequisite; graduate standing. Introduces students to the basics of quantitative analysis in the field of anthropology. Topics include parametric and non-parametric measurements of significance and association, multivariate techniques, and concepts useful to anthropologists such as spatial analysis and sampling. (Irreg.)  |
| ANTH    | 5123   | Contemporary Culture Theory                | Prerequisite: ANTH 5223. Introduces students to different unit and levels of sociocultural analysis. Students will be required to address a series of research problems as a means of understanding sociocultural analysis. (Sp)  |
| ANTH    | 5133   | Experimental Archaeology                   | (Slashlisted with 4133) Prerequisite: graduate standing in Anthropology. Focus on the theoretical and practical applications of experimental approaches to understanding the past in order to place them in their proper context within archaeology. No student may earn credit for both 4133 and 5133. Laboratory. (Irreg.)  |
| ANTH    | 5153   | Ethnography of Communication               | Prerequisite: graduate standing. This course focuses on language use in larger discourse and cultural contexts and how language is used to conduct the social life and the dynamics of culture. Topics include topic and focus, deixis, reported speech, speaking styles, strategies, and genres, and language and ethnicity. (F)   |
| ANTH    | 5163   | The Study of Material Culture              | (Slashlisted with 4163) Prerequisite: graduate standing. Focuses on the study of the things people make and the broader social contexts in which objects are used, circulated, made meaningful, and consumed. Methods and theories developed in the fields of geography, folklore, cultural anthropology, archaeology, and related social sciences will be examined. No student may earn credit for both 4163 and 5163. (F)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ANTH    | 5183   | Contemporary Native American Ethnography                             | Prerequisite: graduate standing. Examines the impact of changes in the relationship between anthropologists and Native communities and the possibilities for an improved collaborative relationship between anthropologists and First Nations communities in the U.S. and Canada. Through readings, class discussion, and media we examine the ways in which Native people maintain cultural identity and sovereignty in response to ever-changing social conditions of life in the 21st century. (Irreg.) |
| ANTH    | 5193   | Human Adaptability   | (Slashlisted with 4193) Prerequisite: 2503, graduate standing. The study of biological adaptations of human populations to environmental conditions. Human adaptability as a subfield of physical/biological anthropology will be examined from historical, theoretical, and methodological perspectives. No student may earn credit for both 4193 and 5193. (Irreg.)  |
| ANTH    | 5203   | Hunter-Gatherers   | Prerequisite: graduate standing. Considers the social, economic, ecological, and historical variation in hunter-gatherer societies. The history and theory of hunter-gatherer studies will be explored. Ethnographic and archaeological case studies will be used to examine settlement and mobility practices, architecture, subsistence, social organization, interaction, technology, and cosmology. (Irreg.)   |
| ANTH    | 5213   | Ethnographic Methods   | Prerequisite: graduate standing. Survey of ethnographic methods in anthropological research, with weekly fieldwork assignments and writing exercises. First half of class devoted to current theoretical debates, including the post-modern controversy and literary issues in classic ethnography. Second half of class devoted to hands-on research, including participant-observation, interviews, field notes, databases, and linguistic elicitation. (Irreg.)   |
| ANTH    | 5223   | Foundations of Social Thought  | Prerequisite: graduate standing. Survey of anthropological theorists and theories of culture (evolutionary, functional, cognitive, ecological, structural, symbolic, etc.), and their impact on research methods in each of the four fields of anthropology and related disciplines. Emphasis will be given to a discussion of primary texts written by the major theorists. (F)   |
| ANTH    | 5253   | The Anthropology of Communities                                      | (Slashlisted with 4253) Prerequisite: graduate standing. Designed to introduce students to the community in applying anthropological field techniques and theory. While gaining training in method and theory in class, students will be given assignments to execute in community settings. Particular emphasis will be placed on ethnicity, gender and seniority as ethnological parameters. No student may earn credit for both 4253 and 5253. (Irreg.)   |
| ANTH    | 5263   | Feminist Anthropology  | Prerequisite: graduate standing. Examines a variety of relevant books and articles on feminist anthropological theory, an area in which the literature has expanded voluminously since the 1970s. Broad topical areas are as follows: Boasian Contributions to Feminist Anthropology; Women in the Field; Women and Work; and, the New Ethnography. (F)  |
| ANTH    | 5273   | Topics in Social Anthropology  | May be repeated; maximum credit twelve hours. Topics vary. (F, Sp)   |
| ANTH    | 5283   | Curriculum & Teaching Materials Development for Endangered Languages | (Slashlisted with 4283) Prerequisite: ANTH/LING 2303 and graduate standing. Provides tools to create maximally useful teaching and learning materials for under-studied languages. Focuses on teaching methods that emphasize language for actual day-to-day communication and language curricula that is culturally situated. No student may earn credit for both 4283 and 5283. (Irreg.)   |
| ANTH    | 5293   | Origins of Complex Society   | Prerequisite: graduate standing. Examines the origins and development of complex society and the institutionalization of social inequalities. Complexity is examined along a changing scale of sociopolitical organization, from small "egalitarian" societies to middle-range "chiefdoms" to large archaic states, using both archaeological and ethnographic examples. (Sp)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ANTH    | 5303   | Women and Development in Africa                  | (Slashlisted with 4303) Prerequisite: graduate-level social science course. Examines women's involvement in economic development in Africa. Some consideration will be given to family structure and social stratification, as well as women's participation in the social, political and economic spheres. Avenues for viable social change will also be considered. No student may earn credit for both 4303 and 5303.  |
| ANTH    | 5313   | Introduction to Native American Languages        | (Slashlisted with 4313) Prerequisite: graduate standing. Survey course into the nature and distribution of Native American languages, with a focus on North and Meso America. Topics include the typology of native languages, language families and real features and cultural domains, and language contact. This course will not satisfy the foreign language requirements. No student may earn credit for both 4313 and 5313. (Irreg.)  |
| ANTH    | 5323   | The Anthropology of Aging                        | (Slashlisted with 4323) Prerequisite: ANTH 5223 and graduate standing. Examines the process and experience of aging as it relates to culture, and what it means to get older in a variety of cultural contexts, including the United States. Special attention will be devoted to cultural ideas about aging, the roles of older people, illness, caregiving, dying, and what it means to age well in a variety of cultures. No student may earn credit for both 4323 and 5323. (Irreg.)  |
| ANTH    | 5330   | Topics in Linguistic Anthropology                | (Slashlisted with 4330) 1 to 4 hours. Prerequisite: graduate standing. May be repeated with change of content; maximum credit twelve hours. Intensive examination of new developments in the field of anthropological linguistics. Topics reflect interests of faculty, but may include issues of language revitalization, language shift, multilingualism, language and identity, storytelling traditions, language change, or language contact. No student may earn credit for both 4330 and 5330 on the same topic. (Irreg.) |
| ANTH    | 5343   | Anthropological Demography                       | Prerequisite: graduate standing. This course will consider demography, the study of human populations, from an anthropological perspective. The course will focus on critical discussion of the readings, which will cover theory, methods, and empirical case studies, and will emphasize small-scale societies, natural fertility populations, and developing countries. (Irreg.)   |
| ANTH    | 5353   | Archaeology of Religion and Belief               | Prerequisites: graduate standing. Explores how archaeologists identify and understand the religious practice and belief of people in the past. Focuses specifically on archaeological data. Topics covered include inequality, ritual practice, materiality, symbolism, landscape and architectural perspectives, worldview and ontology, and the origins and evolution of religious ideas. (Irreg.)  |
| ANTH    | 5363   | Linguistic Anthropology                          | Prerequisite: graduate standing in Anthropology or permission of instructor. Course covers the history of theory in linguistic anthropology, starting with the early work of Boas, Sapir, and Whorf, and continuing with the writings of Levi-Strauss, Hymes, Basso, Silverstein, Bakhtin, and Hill. Surveys contemporary trends in discourse analysis, sociolinguistics and cognitive linguistics. Course is a required core course for anthropology graduate students.(F, Sp)   |
| ANTH    | 5373   | Dictionaries and the Lexicon                     | (Slashlisted with 4373) Prerequisites: graduate standing. Provides knowledge of lexical semantics and the practical application of problems in lexicography, including the research, planning, construction, and distribution of a dictionary. Uses current software to produce an on-line dictionary of a lesser-studied language aimed at student learners. No student may earn credit for both 4373 and 5373. (Irreg.)   |
| ANTH    | 5393   | Anthropology and the Health of Indigenous People | Prerequisite: graduate standing. Introduces graduate students to research in medical, biological, linguistic, and sociocultural anthropology and archaeology that relates to the health and well-being of global indigenous populations, with an emphasis on the native peoples of the Americas. (F)  |
| ANTH    | 5413   | Public Archaeology                               | (Slashlisted with 4413) Prerequisite: graduate standing, permission of instructor. Focus is on the articulation of graduate academic training in archaeology with current federal rules and regulations, and educational outreach concerning archaeological research and goals. Emphasis is on advanced training in the preservation and management of archaeological resources. No student may earn credit for both 4413 and 5413.   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ANTH    | 5423   | Introduction to Population Genetics              | Prerequisite: graduate standing. Population genetics is a classic course in biological anthropology sciences, and studies the fundamental forces that cause genetic change within and between populations. No student may earn credit for both 4423 and 5423. (Irreg.)   |
| ANTH    | 5453   | Advanced Faunal Analysis                         | Prerequisite: graduate standing. Designed to provide the experience of discovering the past technologies that apply to the manufacture, use, and discard of objects made from or technologies utilizing animal remains. (Irreg.)   |
| ANTH    | 5463   | Peopling of the New World                        | (Slashlisted with 4463) Prerequisite: graduate standing. Introduces the dynamic domain of the earliest human colonization of the Americas. Focuses on such key "peopling" debates as the geographic origins of First Americans; when people first arrived in the New World; and if and how ancient human skeletal remains should be studied. No student may earn credit for both 4463 and 5463. (Irreg.)   |
| ANTH    | 5483   | Contemporary Native American Language Studies    | (Slashlisted with 4483) Prerequisite: 2303 and graduate standing. This course is a study of Native American languages focusing on issues of language contact, multilingualism, performance, and writing systems. Central themes include the richness of polysynthesis and the relationship between grammatical structures and culture. Course concludes with a discussion of language loss and revitalization. No student may earn credit for both 4483 and 5483. (Irreg.)                           |
| ANTH    | 5493   | Suffering and Meaning                            | Prerequisite: 5223 and graduate standing. Focuses on individual and collective human suffering, and examines causes of suffering and the existential crises that often ensue. (Irreg.)   |
| ANTH    | 5543   | Research Design                                  | Prerequisite: graduate standing and 5223. Studies ethnographic research methods and design. An overview of current practices and theoretical disputes, followed by group discussion of individual class members' unique research design problem. (Irreg.)  |
| ANTH    | 5553   | Human Evolutionary History                       | (Slashlisted with 4553) Prerequisite: graduate standing. Biological anthropology course focusing on paleoanthropology, and concerned with the examination of the origins of modern humans. The focus is on evolutionary theory, paleoanthropology research methods, the primate (especially hominid and hominin) fossil/archaeological record, and major trends and debates in paleoanthropology. No student may earn credit for both 4553 and 5553. (Irreg.)  |
| ANTH    | 5583   | Mobility and Sedentism                           | Prerequisite: graduate standing. Focus on the concepts of mobility and sedentism in the archaeological record. The concepts are defined and discussed in their many forms, and the relationships between the mobility/sedentism continuum and other factors such as the use of agriculture, population size, the natural environment, social organization, skeletal impacts, ritual, and kinds of artifacts are considered. Appropriate ethnographic literature is used extensively. (Irreg.)        |
| ANTH    | 5593   | Spatial Methods and Technologies in Anthropology | Prerequisite: graduate standing. Introduces the theory and techniques of GIS, remote sensing, mapping, and GPS as it relates to anthropological fieldwork. The emphasis will be on topics related to and management of spatial data that is aimed specifically at the archaeologist or cultural anthropologist expecting to use GIS in the course of their research or applied work. (Irreg.)  |
| ANTH    | 5603   | Human Variation                                  | (Slashlisted with 4603) Prerequisite: 2503, graduate standing. Provides an understanding of human biological variation from an evolutionary, historical, and anthropological perspective. An examination of the history of classification of human variation, including concepts of race; the genetic basis of variation, including variation in discrete and complex traits; population-based variation; and human behavioral genetics. No student may earn credit for both 4603 and 5603. (Irreg.) |
| ANTH    | 5613   | Morphosyntax                                     | Prerequisite: 5013. This course will familiarize the student with morphological and syntactic phenomena from a large array of languages. Morphological processes, inflectional and derivation, grammatical categories, and problems in morphemic analysis will be covered. Syntactic phenomena covered includes cliticization, noun incorporation agreement, valence, causation, subordination structures, and head/dependent and word order typologies. (Sp)  |



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| Subject | Number | Title                             | Course Description  |
|---------|--------|-----------------------------------|---|
| ANTH    | 5623   | Descriptive Linguistic Methods I  | Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit six hours. This course is an introduction to field methods in linguistic anthropology, with emphasis on the preliminary phases of documenting indigenous languages. Course begins with the elicitation of basic vocabulary before progressing to the analysis of sound patterning, grammatical patterning, and elementary sentence structures. Also covers the development of writing systems for previously unwritten languages. (Irreg.) |
| ANTH    | 5633   | Descriptive Linguistic Methods II | Prerequisite: 5623 or permission of instructor. May be repeated; maximum credit six hours. Continued exploration of field methods in linguistic anthropology, with emphasis on developing the materials for a dictionary, grammatical description and morphology and syntax of language introduced in 5623. Also covers computerized databases. (Irreg.)  |
| ANTH    | 5643   | Psychiatric Anthropology          | (Slashlisted with 4643) Prerequisite: ANTH 5223 and graduate standing. Explores historical and contemporary thinking about culture and mental illness, and examines classic formulations of the relationship between anthropology and psychiatry. No student may earn credit for both 4643 and 5643.(Irreg.)  |
| ANTH    | 5663   | Native Peoples of the Plains      | (Slashlisted with 4663) Prerequisite: 5023 and permission of instructor. An ethnographic and historical survey of the native peoples of the plains culture area of North America. No student may earn credit for both 4663 and 5663. (Irreg.)   |
| ANTH    | 5693   | Thesis/Dissertation Writing       | Prerequisite: Graduate standing. The goal of this seminar is to provide a supportive space for discussing the craft of writing, sharing tips for organizing data, and critiquing drafts of works in progress. Every student will be required to circulate thesis chapters, which will form the texts for the seminar. (Irreg.)  |
| ANTH    | 5723   | Gender and Health                 | Prerequisite: graduate standing. Provides an overview of the complex scientific and cultural interface between sex, gender, and health. Topics covered include gender identity and biological sex, various life cycle issues such as birth, sexual maturity, reproduction, and post-reproductive years. No student may earn credit for both 4723 and 5723. (Sp)   |
| ANTH    | 5773   | Landscape, Space, and Place       | Prerequisite: graduate standing. Introduces the method and theory of landscape archaeology, which is the study of how humans experience, modify, and respond to their natural and social environments. Case studies will be used to illustrate methodological topics such as environmental reconstruction, geoarchaeology, remote sensing, GIS; and theoretical topics such as human-natural systems, resilience and vulnerability, sacred landscapes, monumentality, and mobility. (Irreg.)  |
| ANTH    | 5783   | Ceramics in Archaeology           | Prerequisite: graduate standing. The theoretical frameworks surrounding the analysis of ceramics in archaeology are discussed. Topics considered may include analytic methods, origins, mobility and sedentism, function, production, gender, specialization, distribution, style, ethnicity, household size, ideology, and social identity. (Irreg.)   |
| ANTH    | 5803   | Theories of Identity              | Prerequisite: 5223 and graduate standing. Considers the relationship between ethnicity and other social categories on processes such as race, peoplehood, culture, tradition, heritage, nationality, religion, gender, and class. (Sp)  |
| ANTH    | 5813   | Archaeology of North America      | (Slashlisted with 4813) Prerequisite: graduate standing. A course in the prehistory of the American Indian. Study of the prehistory of North America north of Mexico. Consideration of the various archeological areas of the continent in terms of the prehistoric sequence of events from the earliest times up to European contact. No student may earn credit for both 4813 and 5813. (Irreg.)  |
| ANTH    | 5823   | Medical Anthropology              | Prerequisite: graduate standing and permission of instructor. An introduction to the field of medical anthropology, the subfield of anthropology that focuses on the interaction of culture and biology in the areas of health, medicine and disease. Medical anthropology offers a unique perspective on how people cope with disease and how medical systems are constructed. Includes theoretical and topical overviews of the field. No student may earn credit for both 4823 and 5823.(F)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ANTH    | 5843   | Cross-Cultural Study of Sex, Gender and Sexuality | (Slashlisted with 4843) Prerequisite: graduate standing. A consideration of ethnographic material that challenges understandings of the relationships among sex, gender, and sexuality. Topics include language, socialization, segregation and inequality, gender variance and "third gender" categories, sexual practices and identities, and transsexual and transgender phenomena. No student may earn credit for both 4843 and 5843. (Irreg.) |
| ANTH    | 5853   | Topics in Medical Anthropology                    | Prerequisite: graduate standing. May be repeated with change of content; maximum credit 12 hours. Seminar with research paper for graduate major with special interest in medical anthropology. (Irreg.)   |
| ANTH    | 5863   | Archaeology of the Southeast                      | (Slashlisted with 4863) Prerequisite: graduate standing. A study of the pre-contact and early post-contact Native American culture histories. Some attention will be given to historic African and European cultures in the Southeast. Emphasis will be placed on long-term social change, pan-regional trends and colonial transformations. No student may earn credit for both 4863 and 5863. (Sp)   |
| ANTH    | 5893   | Topics in Archaeology                             | May be repeated; maximum credit 12 hours. Topics will vary. Laboratory (F, Sp)   |
| ANTH    | 5903   | Ethnicity and Health Disparities                  | Prerequisite: graduate standing. Health is one of the most useful fields of study for anthropologists in that it offers a unique lens through which to explore the biological impact of social, cultural, and economic divisions. Course uses theory and method from several sub-disciplines in anthropology to explore these intersections in a number of contemporary and historic populations. (Irreg.)   |
| ANTH    | 5913   | Topics in Biological Anthropology                 | Prerequisite: graduate standing. May be repeated with change of topic; maximum credit 12 hours. An opportunity for a seminar of interest in biological anthropology. Laboratory (F, Sp)  |
| ANTH    | 5923   | Lithic Technology and Analysis                    | Prerequisite: graduate standing in Anthropology or permission of instructor. Instructs students in flint knapping, raw material properties, chipped stone analysis, and the application of analytical approaches to archaeological research problems. (Irreg.)   |
| ANTH    | 5943   | Grasslands Adaptations                            | Prerequisite: Graduate standing. Evolutionary theory as applied to grassland adaptations. Topics include grassland ecology, bison ecology, climactic changes, and horticultural adaptations. The focus is on the North American plains. (Irreg.)   |
| ANTH    | 5960   | Directed Readings                                 | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| ANTH    | 5963   | Writing for Anthropologists                       | Prerequisite: graduate standing in Anthropology. Teaches students to be better and more efficient anthropological writers. Topics range from pragmatic approaches to increasing productivity; to understanding the peer-reviewed process; to the nuts and bolts of writing an effective research paper, literature review, and grant proposal. (Irreg.)  |
| ANTH    | 5970   | Special Topics/Seminar                            | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ANTH    | 5973   | Introduction to Faunal Analysis                   | (Slashlisted with 4973) Prerequisite: graduate standing. An introductory-level at animal bone analysis as performed by archaeologists and zoo archaeologists. The bones of birds, fish, reptiles, amphibians, and mammals, as well as mollusk shell are discussed under the topics of taxonomy, age and sex determination, morphometrics, seasonality, and specialized techniques. No student may earn credit for both 4973 and 5973. (Irreg)      |
| ANTH    | 5980   | Research for Master's Thesis                      | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. Laboratory (F, Sp, Su)  |
| ANTH    | 5983   | Advanced Osteology and Paleopathology             | Prerequisite: graduate standing. For the advanced skeletal biology graduate student preparing for laboratory and/or fieldwork research. Training in techniques, analysis and reporting skeletal research. (Irreg.)   |
| ANTH    | 5990   | Special Anthropological Problems                  | 1 to 3 hours. May be repeated; maximum credit 12 hours. Permits the student to investigate a specific problem in terms of currently available data. It may be within any field of anthropology recommended by the instructor or adviser. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ANTH    | 5999   | Graduate Level Transfer Credit                     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| ANTH    | 6203   | Political Economy                                  | Prerequisite: graduate standing. Examines the political-economic perspective in anthropology and explores its approach to the construction of knowledge, culture, the nature of social systems, social history, archaeology, ethnography (the remote and recent past), ethnicity, class, and gender. (F)  |
| ANTH    | 6300   | Research in Medical Anthropology                   | Prerequisite: graduate standing. May be repeated; maximum credit 12 hours. Permits graduate student to undertake independent fieldwork or research in medical anthropology. Such research is normally limited to original or unpublished work. (Irreg.)   |
| ANTH    | 6590   | Fieldwork in American Indian Languages             | (Crosslisted with LING 6590) 3 to 6 hours. Advanced field experience in the recording and analysis of Native American languages, including a discussion of problems in selecting and effectively utilizing informants. (Irreg.)   |
| ANTH    | 6633   | Method and Theory in Biological Anthropology       | Prerequisite: graduate standing in Anthropology or permission of instructor. The core course in biological anthropology. Historical development of biological (physical) anthropology; the development and application of method and theory in the major subfields of biological anthropology. (Sp)   |
| ANTH    | 6643   | Methods in Living Populations Research             | Prerequisite: graduate standing. Survey of the methods used by biological and medical anthropologists to investigate the health and biology of living populations. Focuses on the ethics of research involving human subjects, strategies for establishing collaborative relationships with communities, and strategies for collecting, managing, and analyzing qualitative and quantitative data. (Irreg.) |
| ANTH    | 6650   | Advanced Fieldwork in Anthropology                 | 3 to 8 hours. Prerequisite: permission of chairperson and dean of the Graduate College. Students interested in this summer program should request a Special Announcement from the Department of Anthropology. Laboratory (Su)   |
| ANTH    | 6713   | Archaeological Theory                              | Prerequisite: graduate standing in Anthropology or permission of instructor. This course explores archaeological theory, its evolution and context. As an anthropological core class, it stresses the articulation of archaeological theory within its wider parent discipline, anthropology. (F)   |
| ANTH    | 6750   | Research in Archaeology                            | 1 to 4 hours. Permits the student to undertake independent research. Such research is normally limited to original or unpublished work. (Problems to be solved by library research are properly within the scope of 5990.) Laboratory (F, Sp)   |
| ANTH    | 6803   | Advanced Archaeological Theory                     | Prerequisite: 6713. An advanced course in archaeological theory focusing especially on those theories prominent in the last decade. The course concentrates on theoretical frameworks that might form the students' dissertation research. (Irreg.)   |
| ANTH    | 6810   | Research in Ethnology                              | 1 to 4 hours. Permits the student to undertake independent fieldwork to study some problems in ethnology. (F, Sp, Su)   |
| ANTH    | 6843   | Foundations of Biological and Medical Anthropology | Prerequisite: graduate standing in Anthropology. Introduces students to the theoretical foundations of biological and medical anthropology. (F)   |
| ANTH    | 6960   | Directed Readings                                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| ANTH    | 6970   | Special Topics/Seminar                             | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| ANTH    | 6980   | Research for Doctoral Dissertation                 | 2 to 16 hours. Laboratory (F, Sp, Su)   |
| ANTH    | 6990   | Independent Study                                  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| ARAB    | 1115   | Beginning Arabic               | Aims at developing mastery of Arabic phonology and script, control of basic vocabulary, grammar, basic communicative situations, and cultural concepts explicitly expressed in the language. Listening and speaking are emphasized from the very beginning. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F) [I-FL]  |
| ARAB    | 1225   | Beginning Arabic Continued     | Prerequisite: 1115. Focuses on all language skills (listening, speaking, reading, and writing), including developing the ability to interact successfully in basic communicative situations. Short texts and topics of general import as well as cultural concepts embedded in the language will be covered. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (Sp) [I-FL]  |
| ARAB    | 1999   | Lower Division Transfer Credit | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| ARAB    | 2013   | Colloquial Arabic              | Prerequisite: ARAB 1225. May be repeated once with a change of topic (dialect); maximum credit 6 hours. Develops communicative functional abilities, in particular speaking and listening, in one of the regional spoken dialects of the Arab world. The direct connection between the colloquial dialect taught and Modern Standard Arabic will be explored. Relevant aspects of local culture will be covered, as well as the cultural appropriateness of communicative functions introduced. (F, Sp)   |
| ARAB    | 2113   | Intermediate Arabic            | Prerequisite: ARAB 1225. Aims at developing language skills (listening, speaking, reading and writing) at the intermediate level, with more emphasis on reading and writing. Expands into more complex structures, wider communicative situations and vocabulary relating to practical, social, cultural and media topics. (F)  |
| ARAB    | 2223   | Intermediate Arabic Continued  | Prerequisite: ARAB 2113; ARAB 2013 or concurrent enrollment. Continues developing language skills (listening, speaking, reading and writing) at the intermediate level, with more emphasis on reading and writing. Continues to expand into more complex structures, wider communicative situations and vocabulary relating to practical, social, cultural and media topics. (Sp)   |
| ARAB    | 2970   | Special Topics/Seminar         | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |
| ARAB    | 3113   | Advanced Arabic                | Prerequisite: 2223. Students are expected to read, listen to, and understand the content and intent of a variety of authentic texts; write at the paragraph level; and participate in formal and informal discussion on social and professional topics. (F)   |
| ARAB    | 3223   | Advanced Arabic (Continued)    | Prerequisite: 3113. Students are expected to read, listen to, and understand the content and intent of a variety of authentic texts; write at the paragraph level; and participate in formal and informal discussion on social and professional topics. (Sp)  |
| ARAB    | 3423   | Advanced Arabic Composition    | Prerequisite: ARAB 2223. Instruction in proper writing habits at an advanced level, toward the achievement of idiomatic formal Arabic. Focuses on writing in Arabic for personal, professional and academic needs. Develops the ability to narrate and describe in the different Arabic tenses (past, present and future), narrate and describe with a sufficient control of aspect (indicating whether an action is completed), write summaries of familiar topics, combine sentences into texts of paragraph length, and use cohesive devices properly. (F) |
| ARAB    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |

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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| ARAB    | 3960   | Honors Reading                        | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers topics not usually presented in the regular courses.  |
| ARAB    | 3970   | Honors Seminar                        | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses.  |
| ARAB    | 3980   | Honors Research                       | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| ARAB    | 3990   | Independent Study                     | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| ARAB    | 3999   | Upper Division Transfer Credit        | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| ARAB    | 4413   | Arabic Structure                      | Prerequisite: 3223. Detailed explanations of the structure of the Arabic language at both the theoretical and pedagogical levels. The different phonological, morphological, and syntactic rules are presented and discussed holistically, combining both form and function, to achieve adequate knowledge of Arabic structure. The course is conducted mostly in Arabic. (F)                             |
| ARAB    | 4433   | Arabic Media and Politics             | Prerequisite: 3223. Exposes students to various types of mass media covering contemporary political, economic, historical, and social issues in the Arab world. Sociolinguistic features of news reports are examined to understand the content, political underpinnings, and the framing or packaging techniques used in media discourse. The course is conducted entirely in Arabic. (F)                |
| ARAB    | 4443   | Readings in Islamic Religious Texts   | Prerequisite: 3223. Representative texts in Arabic from the Qur'an, Qur'anic Exegesis, Prophetic Hadith, Prophet Muhammad's biographies, and legal, mystical, and theological treatises. The objectives are to understand major Islamic doctrines, and themes, and to develop working knowledge of genre specific vocabulary and style. Class is conducted in Arabic. (Sp)                                |
| ARAB    | 4960   | Directed Readings                     | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| ARAB    | 4970   | Special Topics/Seminar                | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| ARAB    | 4990   | Independent Study                     | 1 to 3 hours. Prerequisite: four courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| ARAB    | 4993   | Readings in Contemporary Arab Culture | Prerequisite: ARAB 4413 and ARAB 4433. Deeper understanding of major cultural issues by examining critical texts of intellectual figures throughout the contemporary Arab world. Prepares students to write their final project in Arabic, and provides opportunities for developing their language skills further for adequate mastery of the language. Course is conducted entirely in Arabic. (Sp) [V] |
| ARAB    | 5999   | Graduate Level Transfer Credit        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ARCH    | 1112   | Cultures of Collaborating, Creating, and Constructing | Prerequisite: Architecture or Environmental Design major. Introduction to the foundations of the various planning, design, and construction disciplines. Focus on the collaborative process for creating and constructing the built environment. Histories of expertise areas such as planning, architecture, landscape architecture, interior design, construction science, engineering, and graphic environmental design will be explored and related to how these have evolved to their contemporary conditions. (F)   |
| ARCH    | 1121   | Methods I - Introduction to Creating-Making           | Corequisite: ARCH 1112, ARCH 1154. An introduction to the historical and theoretical issues forming and informing the built environment. The relationships of conceptual, methodological, and representational skills related to designed environments will be introduced and developed. Design vocabulary, studio culture, and architectural discourse will be explored and related within the framework of Creating-Making. (F)   |
| ARCH    | 1142   | Design, Construction and Society                      | An introduction to the issues forming and informing the built environment. The history, principles, and practices of architecture, construction, and interior design will be explored. (F)  |
| ARCH    | 1153   | Design I- Design Fundamentals                         | Co-requisites: ARCH 1112, ARCH 1163 or permission of director. Development of foundational design and representational skills, and graphic conventions including sketching and digital methods. The course introduces processes of Creating-Making through methods engaged in critical thinking and experiential knowing. Methods of composition are introduced and explored: design elements and principles, proportion and scale, ordering systems, and organizational strategies. Introduction to issues of craft and material engagement. (F)   |
| ARCH    | 1154   | Design I - Design Fundamentals                        | Corequisite: ARCH 1112 and ARCH 1121. Development of foundational design, visual communication skills, and graphic conventions including sketching and drafting, shade and shadow, rendering methods, perspective, color, materials, and model building. Introduces processes of creating-making through methods engaged in critical thinking and experiential knowing. Methods of composition are introduced and explored: design elements and principles, proportion and scale, ordering systems, and organizational strategies. Introduction to issues of craft and material engagement. (F) |
| ARCH    | 1163   | Methods I - Materiality of Place                      | Co-requisites: ARCH 1112, ARCH 1153 or permission of director. Introduction to the historical and theoretical issues forming and informing the development of the built environment. The relationships of conceptual, methodological, and representational skills related to designed environments will be introduced and developed. Design vocabulary, studio culture, and architectural discourse will be explored and related within the framework of Creating-Making. (F)   |
| ARCH    | 1223   | Methods II - Material Awareness                       | Prerequisite: ARCH 1121, ARCH 1112, and ARCH 1154 with a grade of C or better. Corequisite: ARCH 1254. An introduction to the influences of materials and technology on designed environments. Introduction of the historical development and application of basic architectural technology. Introduction to structural systems and components and to the formal/spatial/material characteristics of building technology. (Sp)  |
| ARCH    | 1255   | Design II - Craft and Making                          | Prerequisites: ARCH 1112, ARCH 1163, ARCH 1153 with a grade of C or better. Co-requisite: ARCH 1263; or permission of director. A continuation in the development of fundamental design skills through introductions to the material, formal, and spatial properties of architecture. Fabrication safety, craft, and techniques will be introduced and developed through the making of full-scale constructions. Continued ideas involving Creating-Making are explored through exercises in the formal, spatial, and material qualities of human environments. (Sp)                            |

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| Subject | Number | Title                                | Course Description   |
|---------|--------|--------------------------------------|--|
| ARCH    | 1263   | Methods II - Pattern of Architecture | Prerequisites: ARCH 1112, ARCH 1163, ARCH 1153 with a grade of C or better. Co-requisite: ARCH 1255; or permission of director. An introduction to organizational strategies across a range of architectural scales. Ordering principles are investigated from micro through macro, from the materiality and tectonics of details, to urban patterns. Architectural assemblies and building technology will introduce structural systems and material characteristics. Massing and typology studies will introduce relationships of building to site and environment. (Sp) |
| ARCH    | 1999   | Lower Division Transfer Credit       | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| ARCH    | 2243   | History of the Built Environment I   | Prerequisite: majors only or permission of director. Co-requisite: ARCH 2363, ARCH 2356; for Interior Design majors: completion of A HI 2213 and A HI 2223. A theoretical investigation of the cultural, political, and aesthetic values of diverse Western and non-Western cultures and how these affect the built environment from pre-history through the Renaissance. This course continues the development of critical writing skills and further develops analytic skills that act to inform design decisions related to studio projects. (F) [IV-WC]                |
| ARCH    | 2323   | Methods III - Design Analytics       | Prerequisite: ARCH 1223, ARCH 1254 with a grade of C or better. Corequisite: ARCH 2354, ARCH 2243. An introduction to historical precedent, human factors, and the physical and cultural contexts associated with the built environment. The contextual relationships between building, site, and culture will be explored through an introduction to various environmental and site design concepts, skills, and methods appropriate for architects. (F)  |
| ARCH    | 2333   | Architecture and the Environment     | Prerequisite: majors only; 1133, 1142, 1154, 1254. Building/site relationships and introduction of selected environmental and site design concepts, knowledge and methods appropriate for architects. (F)  |
| ARCH    | 2343   | History of the Built Environment II  | Prerequisites: ARCH 2363, ARCH 2356, ARCH 2243. Co-requisites: ARCH 2463, ARCH 2456, ARCH 4133; or permission of director. An investigation of the cultural, political, and aesthetic values of diverse Western and non-Western cultures and how these have affected the built environment from the Renaissance through the 19th century. This course continues the development of critical writing skills and further develops analytic skills that act to inform design decisions related to studio projects. (Sp)   |
| ARCH    | 2356   | Design III - Crafting Place          | Prerequisites: ARCH 1263, ARCH 1255 with a grade of C or better. Co-requisites: ARCH 2363, ARCH 2243; or permission of director. Development of formal and spatial architectural components that demonstrate engagement with design principles, precedent analysis, human factors, and environmental and cultural influences on design. Expression of ideas through the application of virtual techniques of representation and visual communication are required. (F)   |
| ARCH    | 2363   | Methods III - Materials and Form     | Prerequisites: ARCH 1263, ARCH 1255 with a grade of C or better. Co-requisite: ARCH 2356, ARCH 2243; or permission of director. An introduction to the nature of building materials with regard to form, strength, durability, workability, structure, connections, surfaces, and edges. Analysis of architectural expression through the use of building materials including the effects of: light, air movement, humidity, and their relationships to both one another and formal and spatial expressions. (F)   |
| ARCH    | 2456   | Design IV - Materials and Making     | Prerequisites: ARCH 2363, ARCH 2356, ARCH 2243 with a grade of C or better. Co-requisites: ARCH 2463, ARCH 2343, and ARCH 4133; or permission of director. Introduces projects of moderate complexities demonstrating intermediate design principles within the context of the urban environment demonstrating an understanding of material. Students begin to engage the effects of site and environmental conditions upon material, formal, and spatial design decisions. (Sp)   |
| ARCH    | 3013   | Architecture for Non-Majors          | Prerequisite: junior standing. An introduction of basic principles of architecture for the non-architect. Understanding of the qualities and characteristics of a well-designed architectural environment. Not open to architecture majors. (F, Sp) [IV-AF]  |

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| Subject | Number | Title                               | Course Description   |
|---------|--------|-------------------------------------|--|
| ARCH    | 3433   | Environmental Controls I            | Prerequisite: Architecture major and completion of 2233, 2243, 2333, 2343, 2354, 2454; or Construction Science major. Introduction to psychometrics, heat transmission in buildings, heating, air conditioning and ventilation, solar heat gain, passive solar conditioning, plumbing and fire protection. (F)   |
| ARCH    | 3440   | Mentored Research Experience        | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| ARCH    | 3554   | Studio V                            | Prerequisite: 2233, 2243, 2333, 2343, 2354, 2454, and full program admission. Continuation of 2454. Introduces projects of increasing complexity. Individual and/or team architectural projects of substantial complexity focusing on the comprehensive integration of social, cultural, theoretical, environmental and technical influences on architecture. Application of professional techniques of representation and communication required. Laboratory (F)  |
| ARCH    | 3556   | Design V - Architectural Making I   | Prerequisites: ARCH 2463, ARCH 2456, ARCH 2343, and ARCH 4133 with a grade of C or better. Co-requisites: ARCH 4563, ARCH 4233, ARCH 4453; or permission of director. Introduces principles and techniques of site design within a building context of place, order, form, and structure. It also introduces climatic data analysis software as a means for teaching evidence based design and sustainable design principles. Studio-based lectures and assignments will challenge students to analyze, adapt to, and transform the site within a building design context. (F) |
| ARCH    | 3633   | Architectural Structures II         | Prerequisite: Architecture major and completion of 2233, 2243, 2354, 2454, and full program admission, or Construction Science major and completion of 2233. Extension of the study of architectural structures through structural design of simple building frameworks; simple structural systems for gravity, lateral and seismic loads in steel, wood and masonry; basic structural detailing. Laboratory (F)   |
| ARCH    | 3656   | Design VI - Architectural Making II | Prerequisites: ARCH 4563, ARCH 3556, ARCH 4233, ARCH 4453 with a grade of C or better. Co-requisites: ARCH 4663, ARCH 4543; or permission of director. Students develop the ability to design in the context of existing urban environments. Students are challenged to take into account the layered histories of cities as well as the complexities of dealing with site and street design for urban contexts. Course features guest lectures from experts on urban design and planning; and special topics pertaining to individual studio programs. (Sp)                   |
| ARCH    | 3960   | Honors Reading                      | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| ARCH    | 3980   | Honors Research                     | 1 to 3 hours. Prerequisite: admission to Honors Program. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp)  |
| ARCH    | 3990   | Independent Study                   | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| ARCH    | 3999   | Upper Division Transfer Credit      | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| ARCH    | 4000   | Foreign Study                       | Prerequisite: permission of instructor. The student will experience an alternative culture or setting that enhances awareness and sensitivity. While this course normally involves foreign studies, it may include design/build, community service, volunteer activities, or other experiences relevant to Creating-Making. The duration of this experience shall be no less than eight weeks, and must be approved by a faculty coordinator. (F, Sp, Su)  |



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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| ARCH    | 4053   | Methods X- Tool of Practice           | (Slashlisted with 5053) Prerequisites: ARCH 4923, ARCH 4956 with a grade of C or better. Co-requisites: ARCH 4056 or permission of director. Explores issues in contemporary architectural practice including the role of the client, contracts, practice and project management, leadership skills, legal responsibilities, and ethics. Emphasis is placed upon issues of cultural and environmental sustainability, political activism, and the changing role of the architecture profession. The course contains program specific research and support related to studio projects. No student may earn credit for both 4053 and 5053. (Sp) |
| ARCH    | 4056   | Design X- Options Studio II           | Prerequisites: ARCH 4723, ARCH 4756, and ARCH 4333 with a grade of C or better. Co-requisites: ARCH 4053; or permission of director. Emphasizes the development of a complete project from schematic design through design development and construction detailing. Students will develop a building of limited programmatic complexity through more complete technical development. This course addresses and builds upon the collaborative and analytic knowledge developed in ARCH 4756. (Sp)   |
| ARCH    | 4133   | Architectural Structures I            | (Slashlisted with 5133) Prerequisite: ARCH 2363, ARCH 2356, ARCH 2243, MATH 1523, and PHYS 1114; Corequisite: ARCH 2343, ARCH 2463, ARCH 2456; or Construction Science major and completion of PHYS 2414 and MATH 1523; or permission of director. An introduction to basic physics, forces within structural systems, material strength, and associated structural engineering principles. Develops both intuitive and empirical knowledge of forces within structural systems that serve as a foundation for future courses within the Structures sequence. No student may earn credit for both 4133 and 5133. (Sp)                         |
| ARCH    | 4160   | Internship                            | (Slashlisted with 5160) Prerequisite: ARCH 4723, ARCH 4756; or permission of director. This internship requirement corresponds with the National Council of Architectural Registration Boards Internship Development Program (IDP) and provides students with experience in an architecture office or in a related field. Students must follow the Division's Internship Program Guidelines in order to verify the appropriate experience is gained and documented. No student may earn credit for both 4160 and 5160. (F, Sp, Su)  |
| ARCH    | 4173   | Cinema and Architecture of the City   | Prerequisite: junior standing. An examination of urban morphology and city life from antiquity through the capital cities of the 21st century. Investigates the understanding of cities, civic culture and ritual, public and private space, the role of the architect and the city planner, cultural and formal complexity, and adaptation to change. Fosters conceptualization of the urban physical system, and general theories that purport to explain its form and function. No student may earn credit for both 4173 and 5173. (Sp)  |
| ARCH    | 4183   | Survey of Middle Eastern Architecture | (Slashlisted with 5183) Prerequisite: Junior standing or permission of instructor. Survey of Middle Eastern architecture and the impact architects and architecture from this time and region had upon the advancement of environmental/urban design throughout the rest of history. No student may earn credit for both 4183 and 5183. (Irreg.) [IV-NW]  |
| ARCH    | 4213   | Facilities Management                 | Prerequisite: junior or graduate standing. The relationship between facilities management, design, engineering, business, and behavioral sciences. The function and structure of the facilities management team and its place in the organizational structures. Program and project related facilities management tasks. Facility planning, programming, design, project and construction management, operation and maintenance. (F)  |
| ARCH    | 4233   | Architectural Structures II           | (Slashlisted with 5233) Prerequisite: ARCH 2243, ARCH 2456, ARCH 2343, and ARCH 4133. Co-requisite: ARCH 3556, ARCH 4453, ARCH 4563; or permission of director. Focus is on wood, concrete, and steel as structural materials. Material properties, common manufactured systems, common material sections, and common connection types will be explored with students demonstrating the ability to develop technical details related to various structural systems. No student may earn credit for both 4233 and 5233. (F)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ARCH    | 4283   | Persian Architecture                                   | (Slashlisted with 5283) Prerequisite: junior standing. The goal of the course is to guide students into an understanding of the important contributions that Persian Architecture has made to the built environment. This course provides a comprehensive history of ancient Iranian architecture and urbanism, from the first societies to the present. No student may earn credit for both 4283 and 5283. (Sp)   |
| ARCH    | 4333   | Advanced Structures                                    | (Slashlisted with 5333) Prerequisite: ARCH 4133, 4233; or permission of director. Introduces design of structural members using reinforced concrete. It covers the structural concrete, loads, analyses of tension and compression members, bending design for beams, axial load design for columns, structural systems, and design of reinforced concrete buildings. Concrete structures as taught for architects emphasizes principles of design rather than formulaic calculations. It emphasizes learning through project based collaborations. No student may earn credit for both 4333 and 5333. (F) |
| ARCH    | 4353   | LEED Seminar   | Prerequisite: senior standing. Gives a comprehensive understanding of leadership in energy and environmental design (LEED) and the certification process. Students acquire first-hand experience in the process of "greening up" a campus. Prepares students with the knowledge necessary to sit for and pass the LEED certification exam. (F, Sp)   |
| ARCH    | 4363   | Sustainability: Ethics, Efficiency, Community & Design | Prerequisite: senior standing. Addresses sustainability in terms of ethics, efficiency, community and design. Readings and discussions expose students to a macro-to-micro matrix of issues which establish a context for 'sustainability'. (F)  |
| ARCH    | 4433   | Rendering  | Prerequisite: senior standing. Helps students develop a more advanced understanding of graphic presentation principles and the use of pen and pencil, marker, and water color in developing presentation floor plans, sections, elevations and 3-D renderings. (Sp)  |
| ARCH    | 4453   | Modern and Contemporary Architecture                   | (Slashlisted with 5453) Prerequisite: Junior level standing; or permission of director. The course focus is on the relationship between architectural theories and projects during culture and the modern era. It considers how particular historical contexts shaped theories of design as well as how architects responded to the change. The course examines the relationship between the constructed environment and notions of modernity, developments in technology, building traditions, and politics. No student may earn credit for both 4453 and 5453. (F)                                       |
| ARCH    | 4463   | Methods IV- Sustainable and Resilient Systems I        | (Slashlisted with 5463) Prerequisites: ARCH 2363, ARCH 2356, and ARCH 2243 with a grade of C or better. Co-requisites: ARCH 2456, ARCH 2343, ARCH 4133; or permission of director. Introduction to psychrometrics, heat transmission, mechanical heating and cooling, natural ventilation, passive solar conditioning, plumbing, and fire protection in buildings. No student may earn credit for both 4463 and 5463. (Sp)   |
| ARCH    | 4513   | Creativity Through Sketching                           | (Slashlisted with 5513) Prerequisite: ENGL 1213 or EXPO 1213. This course teaches students how to express themselves creatively through sketching. Students receive instruction and assignments tailored to help them learn basic sketching techniques with the aim of developing their own expressive means of communicating through sketching. No student may earn credit for both 4513 and 5513. (F) (IV-AF)  |
| ARCH    | 4523   | Methods V - Thermal Systems                            | Prerequisite: ARCH 2343, ARCH 2423, and ARCH 2454. Corequisite: ARCH 4133, ARCH 4453 and ARCH 3555. Introduction to psychrometrics, heat transmission in buildings, heating, air conditioning and ventilation, solar heat gain, passive solar conditioning, plumbing, and fire protection. (F)   |
| ARCH    | 4543   | Architectural Theory and Criticism                     | (Slashlisted with 5543) Prerequisite: Junior level standing; or permission of director. The development of research and academic writing in an urban and architectural context. Development of critical and analytical writing skills through the use of original research and/or analysis term papers. Topics may range from periods, politics, technology, economics, religion, gender, and culture. Open to non-architecture majors to encourage interdisciplinary research/writing. No student may earn credit for both 4543 and 5543. (Sp)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ARCH    | 4563   | Methods V- Sustainable and Resilient Systems II | (Slashlisted with 5563) Prerequisites: ARCH 2463, ARCH 2456, ARCH 2343, ARCH 4133 with a grade of C or better. Co-requisite: ARCH 3556, ARCH 4453, ARCH 4233; or permission of director. Introduction to plumbing, lighting, acoustics, and other auxiliary systems that impact the Creating-Making of the built environment. These systems are discussed in relation to issues of sustainability and human comfort. Codes and standards that effect building design will be introduced and discussed. No student may earn credit for both 4563 and 5563. (F)                         |
| ARCH    | 4663   | Methods VI- Urban Design Methodologies          | (Slashlisted with 5663). Prerequisites: ARCH 4563, ARCH 3556, ARCH 4233, ARCH 4453 with a grade of C or better. Co-requisites: ARCH 3656, ARCH 4543 or permission of program director. Provides an introduction to urban design, an overview of its history, and a cross section of contemporary strategies to effect desired urban design conditions. The course content may support design work developed in studios of the architecture curriculum. Students may not earn credit for both 4663 and 5663. (Sp)  |
| ARCH    | 4723   | Methods VII - Advanced Systems                  | (Slashlisted with 5723) Prerequisites: ARCH 4543, ARCH 4663, ARCH 3656 with a grade of C or better. Co-requisites: ARCH 4756; or permission of director. Introduction to advanced issues of structure, building systems, sustainability, and integrated building management systems. Course material will develop advanced understanding of the theories and practices of these complex systems and their effects on the built environment. No student may earn credit for both 4723 and 5723. (F)  |
| ARCH    | 4733   | Architectural Structures III                    | Prerequisite: Architecture majors and completion of ARCH 3433, ARCH 3443, ARCH 3533, ARCH 3554, ARCH 3633. Extension of the study of architectural structures through structural design of continuous building frameworks; loads, concrete structural systems, foundations, connections and structural detailing. Laboratory (Sp)   |
| ARCH    | 4754   | Studio VII                                      | Prerequisite: 3433, 3443, 3533, 3554, 3633, 3654. Continuation of 3654. Introduces issues of building systems. Individual and/or team architectural projects at an advanced level focusing on the comprehensive integration of social, cultural, theoretical, environmental and technical influences on architecture. Application of professional techniques of representation and communication required. Laboratory (F) [V]   |
| ARCH    | 4756   | Design VII - Systems and Context                | Prerequisites: ARCH 4543, ARCH 4663, ARCH 3656 with a grade of C or better. Co-requisites: ARCH 4723; or permission of director. This capstone course emphasizes the relationship of schematic design to contract documents through a broad exploration of structural, mechanical, electrical, plumbing, and other buildings systems. It builds on the fundamental issues of place, order, form, structure, site and programming. It is also dedicated to developing interdisciplinary and collaborative skills through team-based projects and other small group exercises. (F) [V]  |
| ARCH    | 4773   | Computational Design and Fabrication            | (Slashlisted with 5773) Prerequisite: senior standing or permission of instructor. Computational design allows architects to explore tectonics and space in relationship to various data sets such as environmental, programmatic, and material. Computational design is a design strategy where architects incorporate ideas from fields such as mathematics, computer science, system science, morphogenesis and evolution. The class will examine the work flow from computational design through to digital fabrication. Students may not earn credit for both 4773 and 5773. (F) |
| ARCH    | 4783   | Architectural Acoustics                         | (Slashlisted with 5783) Prerequisite: 3rd, 4th or 5th year student in the College of Architecture. Focuses primarily on the nature of architectural acoustics based on material choices, surface arrangement, and the overall shaping of space to promote natural acoustics. There will also be some discussion concerning natural lighting and how design decisions for lighting and acoustics can work in unison. Students may not earn credit for both 4783 and 5783. (Irreg.)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ARCH    | 4854   | Studio VIII  | Studio VIII. Prerequisite: 3433, 3443, 3533, 3554, 3633, 3654. Continuation Of 4754. Introduces Issues Of Environmental Sustainability. Individual And/Or Team Architectural Projects Focusing On The Comprehensive Integration Of Social, Cultural, Theoretical, Environmental And Technical Influences On Architecture. Application Of Professional Techniques Of Representation And Communication Required. Capstone Course; First Of Three Required. Laboratory (Sp)   |
| ARCH    | 4855   | Design VIII - Architectural Synthesis                | Prerequisite: ARCH 4333, ARCH 4723, and ARCH 4755, all with a grade of C or better. Corequisite: ARCH 4823. Emphasizes the development of a complete project from schematic design through design development and construction detailing. Students develop a building of limited programmatic complexity through more complete technical development. The application of Building Information Modeling software will be required. Also addresses and builds upon the collaborative and analytic knowledge developed in ARCH 4755. (Sp)   |
| ARCH    | 4863   | Methods VIII - Building Performance Analytics        | (Slashlisted with 5863) Pre-requisite: ARCH 4723, ARCH 4756; or permission of director. Advanced level survey course investigating the wide variety of computer-based applications available for making sustainable design decisions. Case studies are used to clarify information presented. Laptops, smartphones, tablets required with skill development in the acquisition, installation and evaluation of software used for sustainable design analysis. Exploration of Building Performance Analytics available through Building Information Modeling (BIM). No student may earn credit for both 4863 and 5863. (Sp) |
| ARCH    | 4923   | Methods IX- Entrepreneurial Architect and Leadership | (Slashlisted with 5923) Prerequisites: ARCH 4723, ARCH 4756, ARCH 4333 with a grade of C or better. Co-requisites: ARCH 4956; or permission of director. Explores finance and leadership issues that currently confront the development, design, and construction industries. Expertise and decision-making capabilities will be explored. No student may earn credit for both 4923 and 5923. (F)  |
| ARCH    | 4940   | Field Work   | 1 to 4 hours. Prerequisite: senior standing and permission of instructor. Field study related to the student's area of interest in a position approved by the instructor. One hour credit per 120 hours of field work or equivalent. Documentation and evaluation is required. (F, Sp, Su)   |
| ARCH    | 4956   | Design IX- Options Studio I                          | Prerequisites: ARCH 4723, ARCH 4756, ARCH 4333 with a grade of C or better. Co-requisites: ARCH 4923; or permission of director. Advanced architectural design projects which incorporate an increased complexity and scale. The projects vary in type and scope which includes service learning and design competitions. (F)  |
| ARCH    | 4960   | Directed Readings                                    | 1 to 4 hours. Prerequisite: senior standing and permission of instructor. May be repeated with change of subject; maximum credit 12 hours. (F, Sp, Su)   |
| ARCH    | 4970   | General Departmental Seminar                         | 1 to 6 hours. Prerequisite: senior or graduate standing, or permission of instructor. May be repeated with change of content. Special topics in architecture. (F, Sp, Su)  |
| ARCH    | 4990   | Independent Study                                    | 1 to 3 hours. Prerequisite: four courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)   |
| ARCH    | 5023   | Architectural Seminar                                | Prerequisite: junior standing or permission of instructor. May be repeated with change of subject matter; maximum credit 12 hours. Investigation and discussion based upon the following topics: design methods, architectural research, history and theory, environmental processes, structural theory, visual perception, urban design and other related topics. (F, Sp)   |
| ARCH    | 5052   | Professional Practice                                | (Crosslisted with L A 5052) Prerequisite: 5043 or permission of instructor. Survey of career options, internship, registration, firm organization, office management, professional conduct and ethics within the practice of architecture. (F, Sp)   |

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| Subject | Number | Title                                    | Course Description   |
|---------|--------|--|--|
| ARCH    | 5053   | Methods X - Tools of Practice            | (Slashlisted with 4053) Prerequisites: Program admission or permission of graduate liaison. Explores issues in contemporary architectural practice including the role of the client, contracts, practice and project management, leadership skills, legal responsibilities, and ethics. Emphasis is placed upon issues of cultural and environmental sustainability, political activism, and the changing role of the architecture profession. The course contains program specific research and support related to studio projects. No student may earn credit for both 4053 and 5053. (Sp)   |
| ARCH    | 5055   | Design X - Comprehensive Architecture II | Prerequisite: ARCH 5922, ARCH 5955, or permission of graduate liaison. Corequisite: 5022. A continuation of ARCH 5955 and the project development begun in that course. Students are expected to further develop their project to a level of Design Development and limited Construction Detailing. The course encourages the continued exploration, speculation, and experimental innovation begun in Design IX extended into materials detailing, construction methods, mechanical systems, and creative spatial and aesthetic development. Component and assembly prototyping and performance modeling are a significant component of the course.(Sp) |
| ARCH    | 5133   | Architectural Structures I               | (Slashlisted with 4133) Prerequisite: Program admission or permission of graduate liaison. An introduction to basic physics, forces within structural systems, material strength, and associated structural engineering principles. Develops both intuitive and empirical knowledge of forces within structural systems that serve as a foundation for future courses within the Structures sequence. No student may earn credit for both 4133 and 5133. (Sp)  |
| ARCH    | 5143   | Architectural History                    | Prerequisite: Program admission or permission of graduate liaison. A theoretical investigation of the cultural, political, and aesthetic values of diverse Western and non-Western cultures and how these affect the built environment. This course continues the development of critical writing skills and further develops analytic skills that act to inform design decisions related to studio projects. (F)  |
| ARCH    | 5160   | Internship                               | (Slashlisted with 4160) Prerequisite: Program admission or permission of graduate liaison. This internship requirement corresponds with the National Council of Architectural Registration Boards Internship Development Program (IDP) and provides students with experience in an architecture office or in a related field. Students must follow the Division's Internship Program Guidelines in order to verify the appropriate experience is gained and documented. No student may earn credit for both 4160 and 5160. (F, Sp, Su)   |
| ARCH    | 5163   | Professional Practice I                  | Prerequisite: 4733, 4754, 4833, and 4854 or graduate standing and permission. Principles and procedures for practice of architecture and related professions. Exploration of professional ethics and services, project documents and management, project delivery methods and contractual relationships. (F)   |
| ARCH    | 5173   | Cinema and Architecture of the City      | Prerequisite: graduate standing or permission of instructor. An examination of urban morphology and city life from antiquity through the capital cities of the 21st century. Investigates the understanding of cities, civic culture and ritual, public and private space, the role of the architect and the city planner, cultural and formal complexity, and adaptation to change. Fosters conceptualization of the urban physical system, and general theories that purport to explain its form and function. No student may earn credit for both 4173 and 5173. (Sp)   |
| ARCH    | 5183   | Survey of Middle Eastern Architecture    | (Slashlisted with 4183) Prerequisite: Graduate standing or permission of instructor. Survey of Middle Eastern architecture and the impact architects and architecture from this time and region had upon the advancement of environmental/urban design throughout the rest of history. No student may earn credit for both 4183 and 5183. (Irreg.)   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ARCH    | 5233   | Architectural Structures II                     | (Slashlisted with 4233) Prerequisite: Program admission or permission of graduate liaison. Focus is on wood, concrete, and steel as structural materials. Material properties, common manufactured systems, common material sections, and common connection types will be explored with students demonstrating the ability to develop technical details related to various structural systems. No student may earn credit for both 4233 and 5233. (F)   |
| ARCH    | 5263   | Professional Practice II                        | Prerequisite: 4733, 4754, 4833, 4854, 5162 or 5163 or graduate standing and permission. A continuation of 5163. Principles and procedures for practice of architecture and related professions. Exploration of professional ethics and services, project documents and management, project delivery methods and contractual relationships. (Sp)   |
| ARCH    | 5283   | Persian Architecture                            | (Slashlisted with 4283) Prerequisite: graduate standing. The goal of the course is to guide students into an understanding of the important contributions that Persian Architecture has made to the built environment. This course provides a comprehensive history of ancient Iranian architecture and urbanism, from the first societies to the present. No student may earn credit for both 4283 and 5283. (Sp)  |
| ARCH    | 5333   | Advanced Structures                             | (Slashlisted with 4333) Prerequisite: Program admission or permission of graduate liaison. Introduces design of structural members using reinforced concrete. It covers the structural concrete, loads, analyses of tension and compression members, bending design for beams, axial load design for columns, structural systems, and design of reinforced concrete buildings. Concrete structures as taught for architects emphasizes principles of design rather than formulaic calculations. It emphasizes learning through project based collaborations. No student may earn credit for both 4333 and 5333. (F) |
| ARCH    | 5363   | Methods III- Materials and Form                 | Prerequisite: Program admission or permission of graduate liaison. Introduction to the nature of building materials with regard to form, strength, durability, workability, structure, connections, surfaces, and edges. Analysis of architectural expression through the use of building materials including the effects of: light, air movement, humidity, and their relationships to both one another and formal and spatial expressions. (F)  |
| ARCH    | 5453   | Modern and Contemporary Architecture            | (Slashlisted with 4453) Prerequisite: Program admission or permission of graduate liaison. The course focus is on the relationship between architectural theories and projects during culture and the modern era. It considers how particular historical contexts shaped theories of design as well as how architects responded to the change. The course examines the relationship between the constructed environment and notions of modernity, developments in technology, building traditions, and politics. No student may earn credit for both 4453 and 5453. (F)   |
| ARCH    | 5463   | Methods IV- Sustainable and Resilient Systems I | (Slashlisted with 4463) Prerequisites: Program admission or permission of graduate liaison. Introduction to psychrometrics, heat transmission, mechanical heating and cooling, natural ventilation, passive solar conditioning, plumbing, and fire protection in buildings. No student may earn credit for both 4463 and 5463. (Sp)   |
| ARCH    | 5513   | Creativity Through Sketching                    | (Slashlisted with 4513) Prerequisite: Graduate standing or instructor permission. This course teaches students how to express themselves creatively through sketching. Students receive instruction and assignments tailored to help them learn basic sketching techniques with the aim of developing their own expressive means of communicating through sketching. No student may earn credit for both 4513 and 5513. (F)   |
| ARCH    | 5516   | Graduate Architectural Design I                 | Prerequisite: Program admission or permission of the graduate liaison. Introduces projects of moderate complexities demonstrating intermediate design principles within the context of the built environment. Application of both physical and virtual communication skills as professional techniques of representation and communication are required. (F)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ARCH    | 5526   | Graduate Architectural Design II                | Prerequisite: Program admission or permission of graduate liaison. Continuation of ARCH 5126 with an introduction to passive and active forms of lighting, acoustics, conveyance systems, and electrical systems. An emphasis will be placed on the relation between these auxiliary building systems and Creating-Making. Issues of sustainability including environmental impacts, resource utilization, ethical resource efficiencies and performance-based design will be related to concepts of Creating-Making. Codes and standards that effect the built environment will be explored. (Sp)   |
| ARCH    | 5536   | Graduate Architectural Design III               | Prerequisite: Program admission or permission of graduate liaison. Emphasis is on the relationship of schematic design to contract documents in order to understand structural, mechanical, electrical, plumbing, and other systems within buildings. Students demonstrate an understanding of drafting conventions, the production of traditional contract documents, Building Information Modeling, and the communication of additional solutions necessary for construction. A major component of the course is dedicated to developing interdisciplinary and collaborative skills through team-based projects and other small group exercises. (F) |
| ARCH    | 5543   | Architectural Theory and Criticism              | (Slashlisted with 4543) Prerequisite: Program admission or permission of graduate liaison. The development of research and academic writing in an urban and architectural context. Development of critical and analytical writing skills through the use of original research and/or analysis term papers. Topics may range from periods, politics, technology, economics, religion, gender, and culture. Open to non-architecture majors to encourage interdisciplinary research/writing. No student may earn credit for both 4543 and 5543. (Sp)   |
| ARCH    | 5546   | Graduate Architectural Design IV                | Prerequisite: Program admission or permission of graduate liaison. Emphasis is on the development of a complete project from schematic design through design development and construction detailing. Students will develop a building of limited programmatic complexity through more complete technical development. The application of Building Information Modeling software will be required. This course addresses and builds upon the collaborative and analytic knowledge developed in ARCH 5423.(Sp)   |
| ARCH    | 5563   | Methods V- Sustainable and Resilient Systems II | (Slashlisted with 4563) Prerequisites: Program admission or permission of graduate liaison. Introduction to plumbing, lighting, acoustics, and other auxiliary systems that impact the Creating-Making of the built environment. These systems are discussed in relation to issues of sustainability and human comfort. Codes and standards that effect building design will be introduced and discussed. No student may earn credit for both 4563 and 5563. (F)   |
| ARCH    | 5653   | Urban Design Seminar                            | (Crosslisted with RCPL 5653) Prerequisite: permission of instructor. May be repeated with change of content; maximum credit six hours. Advanced seminar in urban design problems and issues through an in-depth and on-site investigation and evaluation of significant national and international urban development projects. Topics covered will be announced by instructor in the term prior to course offerings. (F, Sp)   |
| ARCH    | 5663   | Methods VI- Urban Design Methodologies          | (Slashlisted with 4663) Pre-requisites: Program admission or permission of graduate liaison. Provides an introduction to urban design, an overview of its history and a cross section of contemporary strategies to effect desired urban design conditions. The course content may support design work developed in studios of the architecture curriculum. No student may earn credit for both 4663 and 5663. (Sp)  |
| ARCH    | 5713   | Real Estate I                                   | Prerequisite: graduate standing or permission of instructor. An introductory course which surveys the real estate development process. (F)   |
| ARCH    | 5723   | Methods VII-Advanced Systems                    | (Slashlisted with 4723) Prerequisite: Program admission or permission of graduate liaison. This course introduces students to advanced issues of structure, building systems, sustainability, and integrated building management systems. Course material will develop advanced understanding of the theories and practices of these complex systems and their effects on the built environment. No student may earn credit for both 4723 and 5723. (F)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ARCH    | 5743   | Legal Framework for Design                            | Prerequisite: graduate standing or permission of instructor. Introduction to the legal principles relevant to real estate planning, financing, development, operation, and disposal of real property and real estate projects. (F)  |
| ARCH    | 5763   | Landscape Architecture for Architects                 | Prerequisite: graduate standing or permission of instructor. Analysis and organization of the site together with the use of plant materials in landscape design. (Sp)   |
| ARCH    | 5773   | Computational Design and Fabrication                  | (Slashlisted with 4773) Prerequisite: Graduate standing or instructor permission. Computational design allows architects to explore tectonics and space in relationship to various data sets such as environmental, programmatic, and material. Computational design is a design strategy where architects incorporate ideas from fields such as mathematics, computer science, system science, morphogenesis and evolution. The class will examine the work flow from computational design through to digital fabrication. No student may earn credit for both 4773 and 5773. (F)  |
| ARCH    | 5783   | Architectural Acoustics                               | (Slashlisted with 4783) Prerequisite: Graduate standing and permission of instructor. Focuses primarily on the nature of architectural acoustics based on material choices, surface arrangement, and the overall shaping of space to promote natural acoustics. There will also be some discussion concerning natural lighting and how design decisions for lighting and acoustics can work in unison. Students may not earn credit for both 4783 and 5783. (Irreg.)  |
| ARCH    | 5863   | Methods VIII-Building Performance Analytics           | (Slashlisted with 4863) Prerequisite: Program admission or permission of graduate liaison. Advanced level survey course investigating the wide variety of computer-based applications available for making sustainable design decisions. Case studies are used to clarify information presented. Laptops, smartphones, tablets required with skill development in the acquisition, installation and evaluation of software used for sustainable design analysis. Exploration of Building Performance Analytics available through Building Information Modeling (BIM). No student may earn credit for both 4863 and 5863.  |
| ARCH    | 5923   | Methods IX - Entrepreneurial Architect and Leadership | (Slashlisted with 4923) Prerequisites: Program admission or permission of graduate liaison. Explores finance and leadership issues that currently confront the development, design, and construction industries. Expertise and decision-making capabilities will be explored. No student may earn credit for both 4923 and 5923. (F)  |
| ARCH    | 5930   | Independent Study with Computer Applications          | Prerequisite: END 1012 and permission of instructor. Contracted independent study with emphasis on computer applications in architecture. Documentation and presentation varies with nature of the problem or project.  |
| ARCH    | 5955   | Design IX - Comprehensive Architecture I              | Prerequisite: ARCH 4823, ARCH 4855 or permission of graduate liaison. Corequisite: ARCH 5922. The first of a two-semester sequence; includes the design of a moderately complex building on a contextual site. Encourages innovative exploration, analysis, speculation, and experimentation in developing schematic proposals. Students will develop an architectural program, establish pro-forma attributes, conduct feasibility studies for their chosen project, develop solutions with refined mechanical, electrical, structural, and material components. Both active and passive energy systems, issues of sustainability, issues of site and context, life safety issues, and traditional functional and aesthetic requirements will be integral to design solutions. Includes a significant focus on ethical, environmental, sustainable, social, material, and historical issues related to Creating-Making within the built environment. (F) |
| ARCH    | 5960   | Directed Readings                                     | 1 to 4 hours. Prerequisite: fifth year or graduate standing in architecture and permission of instructor. May be repeated with change of subject; maximum credit nine hours. Studies in major field as approved by instructor. (F, Sp, Su)  |
| ARCH    | 5970   | General Departmental Seminar                          | 1 to 4 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Advanced professional topics in architecture, construction science, urban design or environmental design. Lectures, team and individual assignments. (F)   |
| ARCH    | 5980   | Research for Master's Thesis                          | Prerequisite: Graduate standing. Variable enrollment, two to nine hours; Laboratory (F, Sp, Su)   |



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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| ARCH    | 5990   | Special Studies in Architecture         | 1 to 6 hours. Prerequisite: fifth year or graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Subject as assigned by instructor will be explored in depth. Documentation and presentation varies with nature of problem. Laboratory (Sp, Su)  |
| ARCH    | 5999   | Graduate Level Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| ARCH    | 6056   | Design X- Comprehensive Architecture II | Prerequisite: Program admission or permission of graduate liaison. This is a continuation of ARCH 6956. The course requires further exploration, speculation, and experimental innovation of the design project begun in ARCH 6956, extending into materials detailing, construction methods, mechanical systems, and spatial and aesthetic development. Component and assembly prototyping and performance modeling are a significant component of the course. (Sp)  |
| ARCH    | 6133   | Sustainable Design Analytics            | Prerequisite: Program admission or permission of instructor. Advanced level survey course investigating the wide variety of computer-based applications available for making sustainable design decisions. Case studies are used to clarify information presented. (F)  |
| ARCH    | 6143   | Theory of Sustainability                | Prerequisite: Program admission or permission of instructor. Historical and contemporary topics in sustainable design goals, concepts, theories, and philosophies. (F)  |
| ARCH    | 6156   | Graduate Studio I                       | Prerequisite: Permission of graduate liaison. The class introduces fundamental design and visual communication skills through the use of material, formal, and spatial properties of architecture. Fabrication safety, craft, and techniques will be introduced and developed through the making. Ideas involving creating-making are explored through exercises in the formal, spatial and material qualities of human environments.(Su)   |
| ARCH    | 6233   | Sustainable Technology                  | Prerequisite: Program admission and 6133. In depth exploration of special topics in sustainable architecture. Subjects may be drawn from criteria for sustainable sites, water and energy efficiency, resources management, materials manufacture, and environmental quality. Documentation and presentation varies with nature of topic. (Sp)  |
| ARCH    | 6243   | Research Methods and Programming        | Prerequisite: Program admission and 6133 and 6143. Research methodology applied to relevant topics resulting in the development of a design program for the professional project in sustainable architecture. (Sp)  |
| ARCH    | 6256   | Graduate Studio II                      | Prerequisite: Program admission and 6133 and 6143, and 6156. Intermediate study of sustainability and regional response: Continuation at a more informed level of readings and precedents, studio projects and field trips. Focus is on sustainable architecture that is responsive to regional conditions of custom, culture, materiality, and place. (Sp)   |
| ARCH    | 6356   | Graduate Studio III                     | Prerequisite: Program admission and 6233 and 6243, and 6256. Advanced study of sustainability and regional response: Application of theory and practices to a professional project of the individual student's choosing. A faculty committee guides the student's progress to completion of a schematic design. Emphasis is on demonstrating a comprehensive understanding and integrative capability in creating architecture that is contextually responsive and environmentally responsible in promoting a sustainable future. (F) |
| ARCH    | 6456   | Graduate Studio IV                      | Prerequisite: Program admission and 6356. Continues project development of the schematic design. Previously gained awareness, understanding and ability are applied to bring the project to the level of design development. Emphasis is on improving the ability to make value judgments and critically review, test and refine architectural concepts in relation to regional distinctions and sustainable imperatives that reflect current social, economic and cultural demands. (Sp)   |
| ARCH    | 6590   | Professional Project Research           | 1 to 4 hours. Prerequisite: permission of instructor. Research and development on subjects related to the professional project in architectural studies, architectural technology, historic preservation, urban design or other approved topics. (F, Sp, Su)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ARCH    | 6643   | Urban Design Theory                          | (Crosslisted with L A 6643 and RCPL 6643) Prerequisite: graduate standing. A survey of theory relevant to the urban design process, including social and behavioral concepts, visual and aesthetic theory, spatial and geographic factors of urban form. (Sp)  |
| ARCH    | 6680   | Advanced Architectural Design III            | Prerequisite: 5505 or 5546. May be repeated for credit; maximum credit six hours. Advanced architectural design projects with an emphasis in architectural studies, architectural technology, historic preservation, urban design or other approved topics. Laboratory (F, Sp)   |
| ARCH    | 6690   | Professional Project                         | 1 to 6 hours. Prerequisite: 5595 or 6680. May be repeated; maximum credit six hours. A terminal professional project demonstrating comprehensive understanding and integrative capabilities in architectural studies, architectural technology, historic preservation, urban design or other approved topics. Laboratory (F, Sp, Su)   |
| ARCH    | 6930   | Independent Study with Computer Applications | Prerequisite: END 1012 and permission of instructor. Contracted independent study with emphasis on computer applications in architecture. Documentation and presentation varies with nature of the problem or project.   |
| ARCH    | 6956   | Design IX- Comprehensive Architecture I      | Prerequisite: Program admission or permission of graduate liaison. This is the first of a two-semester sequence that concludes with ARCH 6056. The course encourages innovative exploration, analysis, speculation, and experimentation in developing schematic proposals. Building design concepts will consider attitudes towards ethical, environmental, site, sustainable, social, financial, material, and historical issues within the built environment and the program's Creating-Making curriculum. (F) |
| ARCH    | 6960   | Directed Readings                            | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| ARCH    | 6970   |  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)   |
| ARCH    | 6990   | Special Studies in Architecture              | 1 to 6 hours. Prerequisite: graduate standing. May be repeated; maximum credit 12 hours. The candidate will thoroughly explore the particular phase of architecture selected for advanced study by the student and the graduate committee; presentation of the work will be determined by the nature of the contribution. Laboratory (F, Sp, Su)   |
| ARNM    | 1003   | Art For Non-Majors: Two-Dimensional          | May be repeated; maximum credit six hours. Provides students who are not art majors with an introduction to the basic studio processes of painting and drawing. (Irreg.)   |
| ARNM    | 1999   | Lower Division Transfer Credit               | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| ARNM    | 2003   | Art for Non-Majors: Three-Dimensional        | Prerequisite: 1003. May be repeated; maximum credit six hours. Provides students who are not art majors with an introduction to the basic studio processes of three-dimensional design and construction. (Irreg.)  |
| ARNM    | 2843   | Photography for Non Art Majors               | This course will introduce the non art major to camera controls and traditional darkroom operations including film processing, contact printing, enlarging and processing of black and white material, matting and presentation. Students enrolling in this course do not need to have any previous photographic or art skills. This course will complete a portfolio of images to complete the course. Textbook required. (Irreg.)  |
| ARNM    | 2970   | Special Topics/Seminar                       | 1 to 3 hours. Prerequisite: sophomore standing or permission of instructor. May be repeated; maximum credit six hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ARNM    | 3013   | Two-Dimensional Art for Non-Majors           | Prerequisite: 1003 or permission of instructor. This studio course offers continued study of more advanced tools and techniques in drawing, painting and print in order to gain experience in the creative process and better appreciate various forms of art. (Irreg.)  |

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| Subject | Number | Title                          | Course Description   |
|---------|--------|--------------------------------|--|
| ARNM    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| ARNM    | 3960   | Honors Reading                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers topics not usually presented in the regular courses.   |
| ARNM    | 3970   | Honors Seminar                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses.   |
| ARNM    | 3980   | Honors Research                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| ARNM    | 3990   | Independent Study              | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| ARNM    | 3999   | Upper Division Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| ARNM    | 4970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: junior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ARNM    | 5999   | Graduate Level Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| ART     | 1033   | Core Studio I: Surface         | Prerequisite: majors only; co-requisite: ART 1043. Core Studio I: Surface is a foundation level course that introduces students to a variety of experiences using two-dimensional design and drawing practices. The course will focus on developing conceptual imagery as expressed through the organization of spatial relationships using design elements and principles, visual observation, color relationships, and the investigation of line, perspective, the figure, gesture, and space.(F)  |
| ART     | 1043   | Core Studio II: Space and Time | Prerequisite: majors only; co-requisite: ART 1033. A foundation level course that introduces students to a variety of experiences using interdisciplinary spatial relationships and three-dimensional design practices. The course will focus on developing a keen awareness of space, form, and time via the application of design principles to handmade forms. Students will create artworks through a variety of media investigations to enhance awareness of the interconnections within visual art and design disciplines. The course emphasizes ideation and process, and exploring and exploiting subject matter and media as a means of obtaining individual conceptual goals.(F) |
| ART     | 1133   | Core III: Technology           | Prerequisite: majors only; ART 1033 and ART 1043. Co-requisite: ART 1143. A foundation level course that introduces students to a variety of experience using electronic tools, processes and techniques. The course will focus on image, interactivity, and motion using core concepts & principles. (Sp)   |
| ART     | 1143   | Core IV: Integrated Studio     | Prerequisites: majors only; ART 1033 and ART 1043. Co-requisite: ART 1133. Integrated Studio is a foundation level art practice course that introduces students to the broad dialogues driving activity in the world of contemporary art. Students learn to structure their work around core concepts and make practical decisions that propel critical discourse within the context of an art or design practice. (Sp)  |
| ART     | 1999   | Lower Division Transfer Credit | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |

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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| ART     | 2253   | Beginning Ceramics                      | Prerequisite: majors only; ART 1033 and ART 1043. Introduction to various hand-building, glazing and firing techniques. Emphasis placed on developing an understanding of working in three dimensions (with clay as the medium), and on interpreting shape by combining surface color and three-dimensional form. Conceptual and critical issues introduced. (F, Sp)  |
| ART     | 2313   | Beginning Drawing                       | Prerequisite: majors only; ART 1033 and ART 1043. Uses representational drawing to increase observational abilities. Perspective, value, form, texture, proportion and scale are studied using still life, the figure and outside drawing assignments. (Irreg.)   |
| ART     | 2413   | Beginning Painting                      | Prerequisite: majors only; ART 1033 and ART 1043. The aqueous media used in various approaches to painting problems (processes and concepts); lectures, group criticism and individual instruction assist the student in studying the fundamentals of painting. (Irreg.)  |
| ART     | 2523   | Beginning Sculpture: Figurative         | Prerequisite: majors only; ART 1033 and ART 1043. Creating in oil base clay the human skull and a life-size portrait; creating a waste mold and making a plaster cast from it. (Irreg.)   |
| ART     | 2533   | Sculpture: Material, Space, and Process | Prerequisites: majors only; ART 1033 and ART 1043. This course will introduce students to the methods of creating sculptural and designed objects. This includes material exploration, space investigation and digital fabrication technologies associated with object making. Material relationships, craft, scale, and content will be fundamental aspects covered during the semester. Students will be encouraged to formulate elements of self-expression, topical research associated with specific projects, and develop a vocabulary for constructive communication and criticism. (Irreg.) |
| ART     | 2723   | Beginning Lithography                   | Prerequisite: 15 hours of foundation courses. Designed to introduce the student to a variety of lithographic hand and photo techniques in the production of multiple images. Each student will produce a body of work with strong emphasis on drawing skills, design and personal creativity. (Irreg.)  |
| ART     | 2733   | Beginning Serigraphy                    | Prerequisite: 15 hours of foundation courses. This course will involve the implementation of both hand and photo stencil methods. During the semester each student will produce a body of work exploring the image-making potential of screen printing techniques. Strong emphasis will be placed on exploring color, design and personal creativity. (Irreg.)  |
| ART     | 2743   | Beginning Printmaking                   | Prerequisites: majors only; ART 1033. This course is a formal introduction to the art of printmaking and the disciplines that comprise it. Students learn to create repeatable matrices in various media, including relief, screen, lithography, and intaglio printing. Technical demonstrations combine with lectures to provide students a sense of the materials, tools, and skills involved in printing as well as printmaking's history and the role it has played in our culture. (Irreg.)  |
| ART     | 2803   | Media Arts Fundamentals                 | Prerequisite: permission of department. Art majors only. Introduction to concepts and practices in media arts with exposure to a variety of media including film, video, photography, and new media. (Irreg.)   |
| ART     | 2813   | Filmmaking I                            | Prerequisite: majors only; ART 1033 and ART 1043. Beginning 16mm filmmaking covering basic technical and aesthetic properties of film. Students work in b/w 16mm film and non-synchronous sound. The course is taught through a combination of lecture, hands-on lab, and film screening. (Irreg.)  |
| ART     | 2853   | Introduction to Photography             | Prerequisite: ART 1013, ART 1023, ART 1113, ARTC 1003, ARTC 1103. An introduction to contemporary photographic theory and practice. Instruction will focus on development of the technical, formal, and critical skills central to lens-based imaging, including camera operation, image production and presentation. An examination of the photograph as cultural construct and its relation to our media driven society will also be emphasized. (Irreg.)   |
| ART     | 2873   | Video for the Artist I                  | Prerequisite: majors only; ART 1013, ART 1023, ART 1113, ARTC 1003, ARTC 1103. Emphasis on developing video production and post-production skills. Training exercises in studio and field production, camera work, lighting and sound. Instruction and practice in analog and digital editing. Exploration of digital media. Students will produce a number of short projects. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ART     | 2970   | Studio Special Topics                                    | Prerequisite: majors only; ART 1033 and ART 1043. May be repeated with change of content; maximum credit nine hours. Special topics course for content not currently offered in regular scheduled courses. (Irreg.)   |
| ART     | 3253   | Intermediate Ceramic Design                              | Prerequisite: 2253. Continued exploration of various hand-building, glazing and firing techniques. Primarily low fire processes. Formal issues such as sculptural composition, form and surface development, and the interpretation of function addressed. Emphasis placed on developing a personal language of materials and ideas. Progression through the range of ceramic-making skill sets. Conceptual and critical issues expanded. (F, Sp)                                   |
| ART     | 3263   | Intermediate Ceramic Processes                           | Prerequisite: 2253. Continued exploration of various hand-building, glazing and firing techniques. Primarily high fire processes. Utilitarian and sculptural concerns, creative problem solving, art making strategies addressed. Emphasis placed on developing a personal language of materials and ideas. Progression through the range of ceramic-making skill sets. Conceptual and critical issues expanded. (F, Sp)  |
| ART     | 3313   | Intermediate Drawing Processes                           | Prerequisite: 2313 or permission of instructor. Intermediate life drawing in various media with use of the human figure as the primary subject. The development of drawing processes and proficiency is stressed. (Irreg.)  |
| ART     | 3323   | Experimental Drawing Practices                           | Prerequisites: majors only; junior standing; ART 2313. Drawing will be explored as a unique visual language. An emphasis will be placed on experimentation, exploration and the development of a personal drawing practice. (Irreg.)  |
| ART     | 3413   | Intermediate Painting Studio I                           | Prerequisite: majors only; junior standing; ART 2413. Personal painting issues are developed in a variety of media. An emphasis on experimentation, exploration, development of imagery and personal expression. (Irreg.)   |
| ART     | 3423   | Intermediate Painting Studio 2                           | Prerequisites: majors only; junior standing; ART 2413. Individual painting issues are pursued through an intense exploration of ideas and technical risk taking. Students will develop research methodologies that will influence their visual and conceptual problem solving. (Irreg.)   |
| ART     | 3440   | Mentored Research Experience                             | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)       |
| ART     | 3513   | Intermediate Sculpture: Contemporary Process             | Prerequisite: ART 2513 or ART 2523 or permission of instructor. Examination of metal fabrication, welding, woodworking (construction and carving), and advanced assembly with nontraditional materials. Concerns in the development of formal visual issues, presentation, concept and theory of contemporary sculpture will be emphasized. (Irreg.)  |
| ART     | 3523   | Intermediate Sculpture: Figurative Processes             | Prerequisite: 2513, 2523 or permission of instructor on a space available basis. Creating a bas-relief and sculpting the human hand and foot in oil based clay; creating a slip cast mold of the bas-relief for water base clay castings. (Irreg.)  |
| ART     | 3533   | Sculpture: Digital Fabrication for Artists and Designers | Prerequisites: majors only; junior standing; ART 2533. Focuses on digital fabrication technologies associated with CAD modeling and vector based digital production. Students will be involved in developing projects that will be constructed using a variety of 3D printing and CNC technologies using plastic, acrylic, metal, wood, and fabrics. Students will be expected to develop a vocabulary of digital production as it relates to contemporary art and design. (Irreg.) |
| ART     | 3543   | Intermediate Sculpture: Figurative Small Projects        | Prerequisite: 2513 or 2523 or permission of the instructor. Creating a plaster sculpture(s) with a foam core; students will sculpt several small figurative sculptures from oil based clay. Armatures for smaller sculptures are designed and developed for more complex compositions. (Irreg.)   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                                | Course Description   |
|---------|--------|--------------------------------------|--|
| ART     | 3563   | Sculpture: Functional Design Studio  | Prerequisites: majors only; junior standing; ART 2533. Investigate function as a means for creative experience and interaction. This includes furniture design, product development, utilitarian objects, and other associated objects that exist functionally within our environment. Design principles, construction techniques, and craft will be emphasized. Students will employ traditional construction techniques as well as digital fabrication to plan, design and build projects that approach utility from various practical and experimental approaches. (Irreg.)   |
| ART     | 3743   | Intermediate Printmaking I           | Prerequisites: majors only; junior standing; ART 2743. May be repeated; maximum credit 6 hours. Intensive instruction in rigid matrix print processes including lithography, intaglio, and relief printing. Students explore the relationship between the drawn and printed image and deepen their practical knowledge of both. Instructors place an emphasis on technical and conceptual improvement as well as building consistency in student work. (Irreg.)  |
| ART     | 3753   | Intermediate Printmaking II          | Prerequisite: majors only; ART 2743. May be repeated; maximum credit 6 hours. Intensive instruction in screen, photo, and technology based print processes including screenprinting, photopolymer plate making, and digitally assisted relief printing. Students work from photographic, technology derived, and hand drawn source materials and explore various means of translating them to print. Instructors place an emphasis on technical and conceptual improvement as well as building consistency in student work. (F, Sp)  |
| ART     | 3763   | Intermediate Printmaking III         | Prerequisites: majors only; junior standing; ART 2743. May be repeated; maximum credit 6 hours. Intensive instruction in book arts, letterpress printing, and structural processes that relate to printmaking. Students learn formal techniques in paper manipulation and bookbinding while exploring relationships between content and structure as they relate to artist books and print based sculpture and installation. Instructors place an emphasis on technical and conceptual improvement as well as building consistency in student work. (Irreg.)   |
| ART     | 3813   | Filmmaking II                        | Prerequisite: 2813. Continuation of Filmmaking I with an introduction to use of color film stock and an emphasis on the use of lighting and sound. Raw footage will be transferred to a digital video format for editing on nonlinear edit systems. The course will be taught through a combination of lecture, hands-on lab, film screenings and project critiques. (Irreg.)  |
| ART     | 3823   | Concepts in Electronic Media         | Prerequisite: Majors only; ATC 2823. Consideration of conceptual and aesthetic issues within technological systems, which may include interactive media, immersive virtual environments, experimental games, visualization & simulation, and 3-D object development. Exposure to a variety of possible technical processes as they consider visual strategies regarding the constraints of visual spaces. Topics may include, but are not limited to 3-D modeling, real-time processing, database/interactive narrative, game play, and strategies for designing objects and environments. A personal laptop is required. (Irreg.) |
| ART     | 3833   | Concepts in Digital Fabrication      | Prerequisites: Majors only; ATC 2823. May be repeated with change of content; maximum credit 6 hours. Examines translations between virtual and physical artistic processes. Topics may include, but are not limited to: physical computing, reactive objects, kinetic sculpture, and form and code. A personal laptop is required. (Irreg.)   |
| ART     | 3853   | Intermediate Traditional Photography | Prerequisites: Majors only; ATC 2853. May be repeated with change of content; maximum credit 6 hours. This course will explore traditional photographic practices. It focuses on the development of concepts in the imagemaking process and explores various means for producing a cohesive body of work. Instructor will determine the content and methodology, but all courses will include refinement of ideas and informed discussion with referential context. Readings and writings will supplement class discussion. Laboratory (Irreg.)  |

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| ART     | 3863   | Intermediate Digital Photography                 | Prerequisite: 2853 or permission of the instructor. This course will explore digital photographic practices. It focuses on the development of concepts in the image making process and explores various means for producing a cohesive body of work. The instructor will determine the content and methodology, but all courses will include refinement of ideas and informed discussion with referential context. Readings and writings will supplement class discussion. Laboratory (Irreg.)   |
| ART     | 3873   | Video for the Artist II                          | Prerequisite: Majors only; ATC 2873. Continuation of ATC 2873. Introduction to advanced imaging and editing techniques. (F)  |
| ART     | 3960   | Honors Reading                                   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of subject matter; maximum credit six hours. Consists of either reading topics or independent study designated by the instructor in keeping with the student's major program. The topics of study will cover materials not usually presented in the regular courses. (F, Sp)  |
| ART     | 3970   | Honors Seminar                                   | 1 to 3 hours. Prerequisite: admission to Honors Program, junior or senior standing. May be repeated with change of subject matter; maximum credit six hours. The projects covered will vary. The content will deal with concepts not usually presented in regular coursework. (Irreg.)   |
| ART     | 3980   | Honors Research                                  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of subject; maximum credit six hours. Provides an opportunity for the gifted honors candidate to work at a special project in the student's field. (F, Sp)  |
| ART     | 3990   | Independent Study                                | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| ART     | 3999   | Upper Division Transfer Credit                   | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| ART     | 4253   | Advanced Ceramics                                | Prerequisite: 3253, 3263. May be repeated, maximum credit twelve hours. Emphasis on articulating and developing individual projects in ceramics. Students are expected to research materials and techniques pertinent to development and exploration of personal direction of form and ideas. Each student is expected to create a body of work building on prior exploration of color and form in clay and glazes, traditional and/or non-traditional techniques. Emphasis is on students' individual area of interest. (F, Sp)   |
| ART     | 4263   | Ceramic Studio Processes and Procedures Training | Prerequisites: majors only; ART 2253, ART 3253 or ART 3263. May be repeated; maximum credit 12 hours. Loading of kilns along with techniques and schedules for firing gas, electric, salt and raku kilns. Students learn to mix and maintain stoneware, salt, and raku glazes. Additional ceramic techniques may include: technical information for mixing and pouring plaster for molds; ceramic studio design; ceramic glaze calculation; and photographing of ceramic work. A binder, handouts, and notes from this course will provide students with a manual for ceramic studio operation. (Irreg.)   |
| ART     | 4313   | Advanced Drawing Processes                       | Prerequisite: 3313, 3323. Students are directed in the development of a personal portfolio of works representing drawing proficiency and professional maturity. (Irreg.)   |
| ART     | 4323   | Advanced Drawing Concepts                        | Prerequisite: 2313, 2323, 3313, or 3323, 4313. Students are encouraged to refine their portfolio of work representing drawing proficiency and professional maturity. (Irreg.)  |
| ART     | 4413   | Advanced Painting Studio                         | Prerequisites: majors only; junior standing; ART 2413, ART 3413, ART 3423. May be repeated; maximum credit 6 hours. This course is structured to help students articulate their ideas through a variety of paint media while developing a personal visual language for the creation of culturally aware contemporary paintings. Emphasis will be placed not only on developing a specific formal language that best reinforces, or even creates, a student's intended content but also on having students develop their ability to articulate the issues surrounding their studio practice. The creation of painted work with relationships to an artistic series are explored. (Irreg.) |
| ART     | 4423   | Advanced Painting Concepts                       | Prerequisite: 4413. A series of paintings are created representing a body of work of a professional nature. (Irreg.)   |

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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| ART     | 4433   | Alternative Painting Practices          | Prerequisites: majors only; junior standing; ART 2413, ART 3413, ART 3423. May be repeated; maximum credit 6 hours. Advanced-level topics to be determined by department and which may include materials and techniques; landscape painting; figurative painting or related topics. Each option will permit concentration and encourage realization of conceptual goals. (Irreg.)   |
| ART     | 4503   | Sculpture: Object, Message, and Content | Prerequisites: majors only; junior standing; Art 3533, or ART 3563. May be repeated; maximum credit 6 hours. This course will address contemporary issues related to object making. This includes theoretical examination of the role of objects and the dialogue between sculpture, design objects, and architecture. An emphasis will be placed on evaluating the role of material as a communication device and the expansive critical context amongst sculpture, media, and technology. Site specificity, temporary objects, commercial objects, and installation will be investigated. (Irreg.)  |
| ART     | 4513   | Advanced Sculpture: Contemporary        | Prerequisite: ART 3513 or ART 3533 or permission of instructor. May be repeated twice; maximum credit nine hours. Self-directed research objectives in terms of sculpture technique, process and concept. Progress relating to personal artistic growth and professional discipline will be expected. Emphasis will be placed on producing a unique body of work for portfolio development and exhibition. (Irreg.)   |
| ART     | 4523   | Sculpture: Advanced Studio Portfolio    | Prerequisites: majors only; junior standing; ART 3533, or ART 3563, or ART 4503. May be repeated; maximum credit 6 hours. This course will address advanced sculptural issues, practice and production through self-directed research interests. An emphasis will be placed on idea development, execution, and presentation of finished works for group critiques. Students will be expected to investigate ideas, subject matter or themes in a sophisticated and coherent manner representative of university level work. Students will also develop visual documentation techniques, and professional practices associated with exhibition & resume development. (Irreg.) |
| ART     | 4533   | Advanced Sculpture: Figurative I        | Prerequisite: 2513, 3513, 3523. Develop the student's awareness of form through the modeling of the human figure. The students will study the fundamentals of sculpture such as armature, design, materials, tools and techniques. (Irreg.)   |
| ART     | 4543   | Advanced Sculpture: Figurative II       | Prerequisite: 4533. Continuation of the techniques developed in 4533. Students will explore more complex compositions and armature designs while modeling the human form. There will be more emphasis on human and animal anatomy. Will expand into the study and application of bas-reliefs. (Irreg.)  |
| ART     | 4573   | Monumental Sculpture                    | Prerequisite: 4543. Students will be introduced to various enlarging techniques, taking a sculpture from the maquette (small version) to life-size or monumental scale. Focus on enlarging with the grid method. Use of a pantograph and the wafer method will also be discussed. Emphasis will be placed on the professional aspects of working with foundries, installations, and clientele. (F)  |
| ART     | 4733   | Advanced Serigraphy                     | Prerequisite: 3733. May be repeated, maximum credit nine hours. This course involves further advanced studies in screenprintmaking. Although the exploration of color, design and creativity will still be of major importance, the development of ideas will be of greatest importance. (Irreg.)   |
| ART     | 4743   | Advanced Printmaking Studio             | Prerequisites: majors only, junior standing; Art 3743, ART 3753 or ART 3763. May be repeated; maximum credit 6 hours. Offers advanced instruction in all areas of printmaking. Through discussion, lecture, and demonstration, instructors work closely with students to improve their technical and conceptual acuity. Students expand their formal understanding of print processes as they deepen their focus on the concepts that drive their art practice. (Irreg.)  |
| ART     | 4813   | Media Arts Special Topics               | Prerequisite: 3810 or 3873. May be repeated with change of topic; maximum credit twelve hours. Explores various advanced-level topics in production, style and technique. Topics to be determined by department. Individual topics may include but are not limited to animation concepts, documentary, experimental, narrative, digital media, as well as editing, lighting, sound, and other production-related concerns. (F, Sp)  |



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|---------|--------|---------------------------------|---|
| ART     | 4823   | Advanced Art and Technology     | Prerequisite: Majors only; ART 3823. May be repeated with change of content; maximum credit 12 hours. Advanced-level topics are determined by department. Individual topics may include, but are not limited to: Interactive Objects and Environment, Experimental Electronics, Sound Synthesis, Virtual Space, and hardware/software/wetware. (Irreg.)   |
| ART     | 4833   | Experimental Art and Technology | Prerequisite: Majors only; ART 3823. May be repeated with change of content; maximum credit 12 hours. Experimental topics determined by department, and may include, but not limited to: Art & Science, Expanded Narrative, Game Art, Critical Play, Tactical Media, Sensory Systems, Networks, Bio-media and Participatory Media. (Irreg.)   |
| ART     | 4843   | Applied Photo Practice          | Prerequisite: 2853 and 3853. May be repeated; maximum credit 15 hours. Explores various applied and practical topics of photography to be determined by department. Topics may include view camera technique, zone system, photo illustration, studio experience and extended research and presentation of related topics. Each option will permit concentration and encourage realization of conceptual goals. (Irreg.)  |
| ART     | 4853   | Advanced Photo Practices        | Prerequisite: 2853 and 3853. May be repeated with change of content; maximum credit 15 hours. Advanced-level topics to be determined by department and which may include advanced B&W; color; books and portfolios. Extended research and presentation of related topics. Each option will permit concentration and encourage realization of conceptual goals. (Irreg.)   |
| ART     | 4863   | Alternative Photo Practices     | Prerequisite: majors only; ART 2853 and ART 3853. May be repeated; maximum credit 15 hours. Topics of historical processes, contemporary explorations, and alternatives to traditional photo methods to be determined by department (nonsilver I and II; process imagery, alternative color, digital imaging, extended research and presentation, etc.). Each method will permit concentration and encourage realization of conceptual goals. (Irreg.)  |
| ART     | 4873   | Advanced Media Arts             | Prerequisite: majors only; ART 4810 and permission of instructor. May be repeated; maximum credit six hours. Students create advanced-level work in media arts within a group-critique setting. (F, Sp)   |
| ART     | 4913   | Ceramics Studio Topics          | Prerequisite: majors with junior standing or permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. Special topics course in ceramics for content not currently offered in regularly scheduled courses. (Irreg.)   |
| ART     | 4916   | BFA Senior Studio I             | Prerequisites: majors only; senior standing; BFA studio majors having completed a minimum of 12 hours of 3000 or 4000 level studio courses and permission of the instructor. The BFA Senior Studio is an immersive experience of art making, creativity, and thinking. This intensive studio experience is focused on studio practice and research related to the artist's discipline. The expectation is that BFA seniors are working towards a professional career and/or the MFA degree. This experience is designed to provide students with critical analysis of their work with faculty and peers, intensive critique expectations for developing a substantial body of work, and preparation for the MFA degree through critical reading, theory and articulation of written and verbal motivations for the artwork. (F) |
| ART     | 4923   | Drawing Studio Topics           | Prerequisite: majors with junior standing or permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. Special topics course in drawing for content not currently offered in regularly scheduled courses. (Irreg.)  |

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| Subject | Number | Title                         | Course Description  |
|---------|--------|-------------------------------|---|
| ART     | 4926   | BFA Senior Studio II          | Prerequisites: majors only; senior standing; ART 4916 and permission of the instructor. Co-requisite: ART 4983. The BFA Senior Studio II is a continuation of creative work established in BFA Studio I. Building on their ideas and personal expression, students will refine theoretical and conceptual ideas, expand their research interests, and further develop new work. Students will be challenged to exert professional maturity that will result in a substantial portfolio that presents technical dexterity, creative insight, and well developed subject matter as it relates to medium, process, and content. Co-requisite'd with ART 4983, Capstone, this senior studio is the culminating studio experience to prepare students for participating in the professional marketplace or proceeding into the professional MFA degree. Aside from studio practice and faculty instruction, visiting art professionals will provide feedback and advice during some critique sessions or evaluations. (Sp) |
| ART     | 4930   | Internship                    | 1 to 6 Hours. Prerequisite: permission of instructor; majors only. May be repeated; maximum credit six hours. Students arrange and participate in a professional work experience with an approved internship site. (Irreg.)   |
| ART     | 4933   | Painting Studio Topics        | Prerequisite: majors with junior standing or permission of the instructor. May be repeated with change of subject matter; maximum credit nine hours. Special topics course in painting for content not currently offered in regularly scheduled courses. (Irreg.)   |
| ART     | 4943   | Printmaking Studio Topics     | Prerequisite: majors with junior standing or permission of the instructor. May be repeated with change of subject matter; maximum credit nine hours. Special topics course in printmaking for content not currently offered in regularly scheduled courses. (Irreg.)  |
| ART     | 4953   | Sculpture Studio Topics       | Prerequisite: majors with junior standing or permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. Special topics course in sculpture for content not currently offered in regularly scheduled courses. (Irreg.)  |
| ART     | 4960   | Directed Readings             | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| ART     | 4963   | Photography Studio Topics     | Prerequisite: majors with junior standing or permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. Special topics course in photography for content not currently offered in regularly scheduled courses. (Irreg.)  |
| ART     | 4970   | Special Topics                | 1 to 3 hours. Prerequisite: majors with junior standing or permission of instructor. Special topics course for content not currently offered in regular scheduled courses. (Irreg.)   |
| ART     | 4973   | Film and Video Studio Topics  | Prerequisite: majors with junior standing or permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. Special topics course in film and video for content not currently offered in regularly scheduled courses. (Irreg.)   |
| ART     | 4983   | Senior Capstone Experience    | Prerequisite: senior classification. May not be repeated for credit. Primary objective is to provide a culminating experience for the senior-year student. Satisfies the University-wide General Education Requirement for a capstone course for art majors. [V]  |
| ART     | 4990   | Independent Study             | Prerequisite: junior standing or permission of instructor. May be repeated; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. Title is variable only to reflect specific discipline area within the School of Art. (Irreg.)   |
| ART     | 5013   | Graduate Studio Ceramics I    | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)   |
| ART     | 5033   | Graduate Studio Painting I    | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)   |
| ART     | 5043   | Graduate Studio Printmaking I | Graduate Studio Printmaking I. Prerequisite: Graduate Standing In Art Individual Problems In The Printmaking Studio Area (Irreg)  |
| ART     | 5053   | Graduate Studio Sculpture I   | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)  |

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|---------|--------|---|---|
| ART     | 5063   | Graduate Studio Photography I             | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)                                      |
| ART     | 5073   | Graduate Studio Film/Video I              | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)                                       |
| ART     | 5083   | Graduate Studio Art & Technology I        | Prerequisite: graduate standing in the School of Art & Art History. Individual problems in the art and technology studio area. (Irreg.)   |
| ART     | 5093   | Graduate Studio Visual Communications I   | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)                                       |
| ART     | 5113   | Graduate Studio Ceramics II               | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)   |
| ART     | 5133   | Graduate Studio Painting II               | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)   |
| ART     | 5143   | Graduate Studio Printmaking II            | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)                                      |
| ART     | 5153   | Graduate Studio Sculpture II              | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)  |
| ART     | 5163   | Graduate Studio Photography II            | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)                                      |
| ART     | 5173   | Graduate Studio Film/Video II             | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)                                       |
| ART     | 5183   | Graduate Studio Art & Technology II       | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.) |
| ART     | 5193   | Graduate Studio Visual Communications II  | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)                                       |
| ART     | 5213   | Graduate Studio Ceramics III              | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)   |
| ART     | 5233   | Graduate Student Painting III             | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)   |
| ART     | 5243   | Graduate Studio Printmaking III           | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)                                      |
| ART     | 5253   | Graduate Studio Sculpture III             | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)  |
| ART     | 5263   | Graduate Studio Photography III           | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)                                      |
| ART     | 5273   | Graduate Studio Film/Video III            | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)                                       |
| ART     | 5283   | Graduate Studio Art & Technology III      | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.) |
| ART     | 5293   | Graduate Studio Visual Communications III | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)                                       |
| ART     | 5313   | Graduate Studio Ceramics IV               | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)   |
| ART     | 5333   | Graduate Studio Painting IV               | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)   |
| ART     | 5343   | Graduate Studio Printmaking IV            | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)                                      |
| ART     | 5353   | Graduate Studio Sculpture IV              | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)  |
| ART     | 5363   | Graduate Studio Photography IV            | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)                                      |

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|---------|--------|--|---|
| ART     | 5373   | Graduate Studio Film/Video IV            | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)                                       |
| ART     | 5383   | Graduate Studio Art & Technology IV      | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.) |
| ART     | 5393   | Graduate Studio Visual Communications IV | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)                                       |
| ART     | 5413   | Graduate Studio Ceramics V               | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)   |
| ART     | 5433   | Graduate Studio Painting V               | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)   |
| ART     | 5443   | Graduate Studio Printmaking V            | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)                                      |
| ART     | 5453   | Graduate Studio Sculpture V              | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)  |
| ART     | 5463   | Graduate Studio Photography V            | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)                                      |
| ART     | 5473   | Graduate Studio Film/Video V             | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)                                       |
| ART     | 5483   | Graduate Studio Art & Technology V       | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.) |
| ART     | 5493   | Graduate Studio Visual Communications V  | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)                                       |
| ART     | 5513   | Graduate Studio Ceramics VI              | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)   |
| ART     | 5533   | Graduate Studio Painting VI              | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)   |
| ART     | 5543   | Graduate Studio Printmaking VI           | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)                                      |
| ART     | 5553   | Graduate Studio Sculpture VI             | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)  |
| ART     | 5563   | Graduate Studio Photography VI           | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)                                      |
| ART     | 5573   | Graduate Studio Film/Video VI            | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)                                       |
| ART     | 5583   | Graduate Studio Art & Technology VI      | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.) |
| ART     | 5593   | Graduate Studio Visual Communications VI | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)                                       |
| ART     | 5613   | Graduate Studio Ceramics VII             | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)   |
| ART     | 5633   | Graduate Studio Painting VII             | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)   |
| ART     | 5643   | Graduate Studio Printmaking VII          | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)                                      |
| ART     | 5653   | Graduate Studio Sculpture VII            | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)  |
| ART     | 5663   | Graduate Studio Photography VII          | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)                                      |
| ART     | 5673   | Graduate Studio Film/Video VII           | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)                                       |

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|---------|--------|--|--|
| ART     | 5683   | Graduate Studio Art & Technology VII       | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.)  |
| ART     | 5693   | Graduate Studio Visual Communications VII  | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)  |
| ART     | 5713   | Graduate Studio Ceramics VIII              | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)  |
| ART     | 5733   | Graduate Studio Painting VIII              | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)  |
| ART     | 5743   | Graduate Studio Printmaking VIII           | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)   |
| ART     | 5753   | Graduate Studio Sculpture VIII             | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)   |
| ART     | 5763   | Graduate Studio Photography VIII           | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)   |
| ART     | 5773   | Graduate Studio Film/Video VIII            | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)  |
| ART     | 5783   | Graduate Studio Art & Technology VIII      | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.)  |
| ART     | 5793   | Graduate Studio Visual Communications VIII | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)  |
| ART     | 5813   | Graduate Studio Ceramics IX                | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)  |
| ART     | 5833   | Graduate Studio Painting IX                | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)  |
| ART     | 5843   | Graduate Studio Printmaking IX             | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)   |
| ART     | 5853   | Graduate Studio Sculpture IX               | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)   |
| ART     | 5863   | Graduate Studio Photography IX             | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)   |
| ART     | 5873   | Graduate Studio Film/Video IX              | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)  |
| ART     | 5883   | Graduate Studio Art & Technology IX        | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.)  |
| ART     | 5893   | Graduate Studio Visual Communications IX   | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)  |
| ART     | 5913   | Graduate Studio Ceramics X                 | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)  |
| ART     | 5933   | Graduate Studio Painting X                 | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)  |
| ART     | 5943   | Graduate Studio Printmaking X              | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)   |
| ART     | 5953   | Graduate Studio Sculpture X                | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)   |
| ART     | 5960   | Directed Readings                          | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su) |
| ART     | 5963   | Graduate Studio Photography X              | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)   |

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| Subject | Number | Title                                     | Course Description   |
|---------|--------|---|--|
| ART     | 5970   | Special Topics/Seminar                    | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)                |
| ART     | 5980   | Research for Master's Thesis              | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| ART     | 5983   | Graduate Studio Art & Technology X        | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.)  |
| ART     | 5990   | Independent Study                         | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.) |
| ART     | 5993   | Graduate Studio Visual Communications X   | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)  |
| ART     | 5999   | Graduate Level Transfer Credit            | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| ART     | 6010   | Graduate Studio                           | 1 to 6 hours. Prerequisite: graduate standing - 30 hours. May be repeated with change of subject; maximum credit twelve hours. Individual problems in major studio area, with a choice of medium. (F, Sp, Su)  |
| ART     | 6013   | Graduate Studio Ceramics XI               | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)  |
| ART     | 6033   | Graduate Studio Painting XI               | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)  |
| ART     | 6043   | Graduate Studio Printmaking XI            | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)   |
| ART     | 6053   | Graduate Studio Sculpture XI              | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)   |
| ART     | 6063   | Graduate Studio Photography XI            | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)   |
| ART     | 6073   | Graduate Studio Film/Video XI             | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)  |
| ART     | 6083   | Graduate Studio Art & Technology XI       | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.)  |
| ART     | 6093   | Graduate Studio Visual Communications XI  | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)  |
| ART     | 6113   | Graduate Studio Ceramics XII              | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)  |
| ART     | 6133   | Graduate Studio Painting XII              | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)  |
| ART     | 6143   | Graduate Studio Printmaking XII           | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)   |
| ART     | 6153   | Graduate Studio Sculpture XII             | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)   |
| ART     | 6163   | Graduate Studio Photography XII           | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)   |
| ART     | 6173   | Graduate Studio Film/Video XII            | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)  |
| ART     | 6183   | Graduate Studio Art & Technology XII      | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.)  |
| ART     | 6193   | Graduate Studio Visual Communications XII | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)  |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| ART     | 6213   | Graduate Studio Ceramics XIII              | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)   |
| ART     | 6233   | Graduate Studio Painting XIII              | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)   |
| ART     | 6243   | Graduate Studio Printmaking XIII           | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)                                      |
| ART     | 6253   | Graduate Studio Sculpture XIII             | Graduate Studio Sculpture Xiii. Prerequisite: Graduate Standing In Art. Individual Problems In The Sculpture Studio Area. (Irreg.)        |
| ART     | 6263   | Graduate Studio Photography XIII           | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)                                      |
| ART     | 6273   | Graduate Studio Film/Video XIII            | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)                                       |
| ART     | 6283   | Graduate Studio Art & Technology XIII      | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.) |
| ART     | 6293   | Graduate Studio Visual Communications XIII | Prerequisite: graduate standing in Art. Individual problems in the visual communications area. (Irreg.)                                   |
| ART     | 6313   | Graduate Studio Ceramics XIV               | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)   |
| ART     | 6333   | Graduate Studio Painting XIV               | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)   |
| ART     | 6343   | Graduate Studio Printmaking XIV            | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)                                      |
| ART     | 6353   | Graduate Studio Sculpture XIV              | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)  |
| ART     | 6363   | Graduate Studio Photography XIV            | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)                                      |
| ART     | 6373   | Graduate Studio Film/Video XIV             | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)                                       |
| ART     | 6383   | Graduate Studio Art & Technology XIV       | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.) |
| ART     | 6393   | Graduate Studio Visual Communications XIV  | Prerequisite: graduate standing in Art. Individual problems in the visual communications area. (Irreg.)                                   |
| ART     | 6413   | Graduate Studio Ceramics XV                | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)   |
| ART     | 6433   | Graduate Studio Painting XV                | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)   |
| ART     | 6443   | Graduate Studio Printmaking XV             | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)                                      |
| ART     | 6453   | Graduate Studio Sculpture XV               | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)  |
| ART     | 6463   | Graduate Studio Photography XV             | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)                                      |
| ART     | 6473   | Graduate Studio Film/Video XV              | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)                                       |
| ART     | 6483   | Graduate Studio Art & Technology XV        | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.) |
| ART     | 6493   | Graduate Studio Visual Communications XV   | Prerequisite: graduate standing in Art. Individual problems in the visual communications area. (Irreg.)                                   |
| ART     | 6513   | Graduate Studio Ceramics XVI               | Prerequisite: graduate standing in Art. Individual problems in the ceramics studio area. (Irreg.)   |

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|---------|--------|---|---|
| ART     | 6533   | Graduate Studio Painting XVI                      | Prerequisite: graduate standing in Art. Individual problems in the painting studio area. (Irreg.)   |
| ART     | 6543   | Graduate Studio Printmaking XVI                   | Prerequisite: graduate standing in Art. Individual problems in the printmaking studio area. (Irreg.)  |
| ART     | 6553   | Graduate Studio Sculpture XVI                     | Prerequisite: graduate standing in Art. Individual problems in the sculpture studio area. (Irreg.)  |
| ART     | 6563   | Graduate Studio Photography XVI                   | Prerequisite: graduate standing in Art. Individual problems in the photography studio area. (Irreg.)  |
| ART     | 6573   | Graduate Studio Film/Video XVI                    | Prerequisite: graduate standing in Art. Individual problems in the film/video studio area. (Irreg.)   |
| ART     | 6583   | Graduate Studio Art & Technology XVI              | Prerequisite: graduate standing in the School of Art and Art History. Individual problems in the art and technology studio area. (Irreg.)   |
| ART     | 6593   | Graduate Studio Visual Communications XVI         | Prerequisite: graduate standing in Art. Individual problems in the visual communications area. (Irreg.)   |
| ART     | 6880   | Graduate Exhibition                               | 1 to 4 hours. Prerequisite: at least 30 hours of graduate credit successfully completed. May be repeated; maximum credit four hours. A special project course culminating in a graduate exhibition presented by the candidate for the Master of Fine Arts degree. Students enrolled will be following the "no thesis" plan. (F, Sp, Su)   |
| ART     | 6960   | Directed Readings                                 | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| ART     | 6970   | Special Topics/Seminar                            | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| ART     | 6990   | Independent Study                                 | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| ARTC    | 1999   | Lower Division Transfer Credit                    | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| ARTC    | 2813   | Introduction to Visual Culture and Media Literacy | Prerequisite: ENGL 1213. An introduction to the study of media in relationship to modern society and culture. Establish methodologies for describing and analyzing diverse forms of media, including print, television, cinema, and digital communication. Critically examines the historical scholarship, theory, and media practice that informs current conversations in the fields of media and cultural studies. (Irreg.)  |
| ARTC    | 2913   | Media Arts: Critical History and Analysis         | Prerequisite: 2010 Or 2803 or permission of instructor. May be repeated once with change of topic. Critical review of the Media Arts. Rotating topics may view Media Arts in the context of history, genre, medium, cultural reference, or other related areas. (Irreg.)  |
| ARTC    | 3440   | Mentored Research Experience                      | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| ARTC    | 3930   | Special Topics In Theory & Criticism              | Prerequisite: junior Standing. May be repeated with change of content; maximum credit six hours. Covers various topics dealing with diverse issues relating to the visual arts. (Irreg.)  |



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| Subject | Number | Title                                      | Course Description   |
|---------|--------|--|--|
| ARTC    | 3933   | Business of Art: Professional Practice     | Prerequisite: Junior standing and majors only. Students will participate in exercises and assignments designed to improve written, verbal and visual abilities vital to exhibition opportunities, gallery practice, employment in art related fields, and future career aspirations including pursuing an MFA terminal degree. Additionally, this course will touch on some related legal issues associated with art production, commissions and contracts. (Irreg.) |
| ARTC    | 3960   | Honors Reading                             | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| ARTC    | 3970   | Honors Seminar                             | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| ARTC    | 3980   | Honors Research                            | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| ARTC    | 3990   | Independent Study                          | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| ARTC    | 3999   | Upper Division Transfer Credit             | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| ARTC    | 4513   | Understanding Comics, Criticism & Practice | Prerequisites: junior or senior standing; ENGL 1113; ENGL 1213/EXPO 1213 or EXPO 1223. May be repeated with change of content: maximum credit 6 hours. An online course designed to give insight into the depth, complexity and intellectual significance of comics. The overall goal of this course is for students to understand the visual and conceptual inner-workings of comics. (Irreg.)  |
| ARTC    | 4853   | Photography: Theory and Criticism          | Prerequisite: majors with junior standing or permission of instructor. May be repeated with change of content; maximum credit 9 hours. Covers various topics related to critical issues in photographic thought and cultural studies. Students will examine literary resources, view various media sources and participate in a variety of interactions with peers and available guests. (Irreg.)  |
| ARTC    | 4923   | Special Topics In Theory And Criticism     | Special Topics In Art Theory And Criticism. Prerequisite: Junior Standing. May Be Repeated With Change Of Content; Maximum Credit Six Hours. Covers Various Topics Dealing With Diverse Issues Relating To The Visual Arts. (Irreg.)   |
| ARTC    | 4930   | Special Topics in Theory and Criticism     | (Slashlisted with 5930) Prerequisite: Junior standing. May be repeated with change of content; maximum credit six hours. Covers various topics dealing with diverse issues relating to the visual arts. No student may earn credit for the same topic for both 4930 and 5930. (Irreg.)   |
| ARTC    | 4960   | Directed Readings                          | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| ARTC    | 4970   | Special Topics/Seminar                     | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ARTC    | 4990   | Independent Study                          | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ARTC    | 5013   | Graduate Seminar                             | Prerequisite: graduate standing. A required course during the first semester that focuses upon developing an informed approach to the art making process. It will utilize readings, writings, and visual references to form a basis for discussions. Each student will conduct a presentation on the aesthetic basis of their own work to the class. (F, Sp)   |
| ARTC    | 5930   | Special Topics in Theory & Criticism         | Prerequisite: graduate standing. May be repeated with change of content; maximum credit six hours. Covers various topics dealing with diverse issues relating to the visual arts. No student may earn credit for the same topic for both 4930 and 5930. (Irreg.)   |
| ARTC    | 5960   | Directed Readings                            | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| ARTC    | 5970   | Special Topics/Seminar                       | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ARTC    | 5990   | Independent Study                            | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| ARTC    | 5999   | Graduate Level Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| ARTC    | 6881   | Thesis Proposal/Statement                    | Prerequisite: 5013. Provides guidance for the development of the thesis exhibition proposal and the written statement required to accompany the exhibition of visual work. The student enrolls in this course the semester prior to the thesis exhibition and may enroll again for completion of the written component. (F, Sp)  |
| ARTH    | 1999   | Lower Division Transfer Credit               | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| ARTH    | 3403   | Theory and Application of Art Therapy        | Prerequisite; junior standing, not for Art or Art History majors. Class considers the underlying principles, prevailing theories, current practice and evolving uses of art therapy with a focus on the theory and interdisciplinary nature of art therapy. In addition, the social and interpersonal applications of art, which are on a continuum with art therapy, will be addressed linking the disciplines of art and therapy. The primary approaches of art psychotherapy and art as therapy will be contrasted and students will create and discuss art within both theoretical frameworks. (Irreg.)  |
| ARTH    | 3440   | Mentored Research Experience                 | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| ARTH    | 3503   | Theory and Application of Creative Therapies | Prerequisite: junior standing, not for Art or Art History majors. Class covers a broad range of therapeutic methods which all draw from a theoretical base in the arts, creativity, and expression. A strong focus will be on creativity theory and how it is applied through creative therapy disciplines such as art, music, dance and drama therapy. These creative therapies will be linked in terms of physical and mental outcomes expected and that are documented in the literature and research. Students will be required to take a critical look at both the theoretical basis and the practical applications of these creative modes. (Irreg.) |
| ARTH    | 3960   | Honors Reading                               | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers topics not usually presented in the regular courses.   |
| ARTH    | 3970   | Honors Seminar                               | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ARTH    | 3980   | Honors Seminar                                    | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| ARTH    | 3990   | Independent Study                                 | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| ARTH    | 3999   | Upper Division Transfer Credit                    | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| ARTH    | 4950   | Art Therapy Practicum                             | Prerequisite: junior standing, two courses in social sciences; not for Art or Art History majors. Class covers a broad range of therapeutic modalities which all draw from a theoretical base in creativity and expression. A strong focus will be on creativity theory and how it is applied through creative therapy modalities. Modalities taught will be linked in terms of physical and mental outcomes expected and that are documented in the creative therapies literature and research. Students will be required to take a critical look at both the theoretical basis and practical application of these creative modes. (Irreg.)   |
| ARTH    | 4960   | Directed Readings                                 | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| ARTH    | 4970   | Special Topics/Seminar                            | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ARTH    | 4973   | Special Topics in Art Therapy                     | Prerequisite; 3403 or 3503, not for Art or Art History majors. May be repeated with change of content; maximum credit six hours. Covers various topics dealing with diverse issues relating to the visual arts in therapeutic applications. Special topics allows a focus on one particular area or application of art therapy through readings, artwork (arts-based research protocols), and class discussion. Individualized readings and assignments may focus on a student's interdisciplinary interest. (Irreg.)  |
| ARTH    | 4990   | Independent Study                                 | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| ARTH    | 5999   | Graduate Level Transfer Credit                    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| ASTR    | 1504   | Astronomy: Exploring the Universe                 | An introduction to the concepts of modern astronomy. The solar system, the sun and stars, the Milky Way and other galaxies, current theories of the origin, evolution and fate of the universe. Not for major credit. Students cannot receive credit in both 1504 and 1514. (F, Sp, Su) [II-NL]  |
| ASTR    | 1514   | Astronomy: Exploring the Universe with Laboratory | An introduction to the concepts of modern astronomy. The solar system, the sun and stars, the Milky Way and other galaxies, current theories of the origin, evolution, and fate of the universe. Not for major credit. Students cannot receive credit in both 1504 and 1514. Laboratory (F, Sp, Su) [II-LAB]   |
| ASTR    | 1523   | Life in the Universe                              | Introductory astronomy course focusing on general physical conditions under which life is thought to arise and evolve in the universe. Topics include historical astronomy, gravitation and planetary orbits, the solar system. The earth's geology and atmosphere, stellar evolution, theories for the origin of life on earth, the discoveries of extrasolar planets, and the search for extraterrestrial life. Course is not for major credit in physics and astronomy, however it is appropriate for Journalism and Mass Communications, Zoology, Education and Chemistry majors as well as others who want an introduction to our current understanding of life in the universe. (Sp) [II-NL] |

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|---------|--------|--------------------------------|---|
| ASTR    | 1999   | Lower Division Transfer Credit | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| ASTR    | 2513   | Introductory Astrophysics      | Prerequisite: PHYS 1215 or 2524, or permission of instructor. An introduction to solar system astronomy and basic astrophysical concepts for majors and students with a knowledge of introductory physics and calculus. Includes planetary system formation, asteroids, comets, terrestrial planets and giant planets. Astrophysical concepts including Keplers laws, blackbody radiation, hydrostatic equilibrium and heat transfer. Elements of astronomy, including time, celestial coordinates, telescopes and detectors, magnitudes and color indices. (F) |
| ASTR    | 2970   | Special Topics/Seminar         | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects.  |
| ASTR    | 3103   | Stars                          | Prerequisite: 2513 or permission of instructor. Stellar properties and stellar evolution. Includes fundamental properties of stars (temperature, luminosity, mass) and how to determine them, star formation, main sequence, post main sequence, supernovae, black holes, neutron stars, white dwarfs, binary stars. (F)  |
| ASTR    | 3113   | Galaxies and Cosmology         | Prerequisite: 2513 or permission of instructor; 3103 strongly recommended. Galactic and extragalactic astronomy. Includes the Milky Way galaxy, the interstellar medium, normal and active galaxies, clusters of galaxies, cosmology. (Sp)  |
| ASTR    | 3190   | Topics in Astronomy            | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. (F, Su)   |
| ASTR    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| ASTR    | 3960   | Honors Reading                 | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| ASTR    | 3970   | Honors Seminar                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| ASTR    | 3980   | Honors Research                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| ASTR    | 3990   | Independent Study              | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Sp, Su)  |
| ASTR    | 3999   | Upper Division Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| ASTR    | 4303   | Stellar Astrophysics           | Prerequisite: 3113 or permission of instructor. Physics of stars: gas and radiation laws, stellar atmospheres and spectra, stellar interiors and evolution. (F)   |
| ASTR    | 4523   | Advanced Observatory Methods   | Prerequisite: 2513 and 3103. Techniques of multiwavelength observational astronomy. Includes time and coordinates, physics of astronomical ccds, telescopes, photometry, extinction correction, technical feasibility calculations, optical spectroscopy, and x-ray astronomy. Introductions to gamma-ray, infrared, UV radio astronomy. No student may earn credit for both 4523 and 5523. (Irreg.)  |

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| Subject | Number | Title                                 | Course Description   |
|---------|--------|---------------------------------------|--|
| ASTR    | 4960   | Directed Readings                     | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| ASTR    | 4970   | Special Topics/Seminar                | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ASTR    | 4990   | Independent Study                     | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| ASTR    | 5403   | High-Energy Astrophysics              | Prerequisite: 4303 or permission of instructor. High-energy radiation processes in astronomy: synchrotron radiation, bremsstrahlung, inverse Compton-effect. New wavebands of observation, UV, X-ray and gamma-ray astronomy. Radioastronomy: supernova remnants, pulsars, neutron stars. Radiogalaxies, active galactic nuclei, quasars. Theories of the origin of cosmic rays. (Irreg.)  |
| ASTR    | 5443   | Galactic Astronomy                    | Prerequisite: 4303 or permission of instructor. Basic properties of galaxies are explored with special focus on the Milky Way. Topics include galaxy classification and morphology, stellar populations, clusters and kinematics, interstellar medium, distributions of mass and light, spiral structure, chemical evolution, systemic rotation and galaxy mass, and distance-determining methods. (Irreg.)  |
| ASTR    | 5453   | Extragalactic Astronomy and Cosmology | Prerequisite: 3113 or 4303 or permission of instructor. Basic properties of stars. Review of observational tools for extragalactic work. Stellar content and interstellar medium in normal galaxies. Introduction to the theory of Big Bang cosmology. Comparison of observational data to cosmological predictions. The extragalactic distance scale and the age of the universe. Large scale structure: galaxy clusters and superclusters. Active galaxies -- radio galaxies and quasars. (Irreg.) |
| ASTR    | 5463   | Stellar Atmospheres                   | Prerequisite: 4303 or permission of instructor. Local thermodynamic equilibrium. Radiative transfer, continuous absorption coefficient and model stellar atmospheres. Atomic and molecular spectroscopy and the quantitative analysis of stellar spectra. Atomic processes and departures from local thermodynamic equilibrium. Extended and expanding atmospheres, novae, supernovae. (Irreg.)  |
| ASTR    | 5473   | Stellar Interiors                     | Prerequisite: 4303 or permission of instructor. Evolution and energy balance of stars including gravitational attraction, nucleosynthesis, radiative and convective energy, transport and equilibrium, construction of stellar models for pre-main sequence and main sequence stars, and the theory of giants and white dwarfs. (Irreg.)   |
| ASTR    | 5513   | Interstellar Medium                   | 4303 or permission. Processes in low-density media are explored, including the physics relevant to emission line objects such as HII and HI regions, molecular clouds, and active galaxies. Techniques for deriving chemical abundances are explored, as are interstellar absorption by gas and dust and radiation transfer. (Irreg.)  |
| ASTR    | 5523   | Advanced Observatory Methods          | Prerequisite: 2513 and 3103. Techniques of multiwavelength observational astronomy. Includes time and coordinates, physics of astronomical ccds, telescopes, photometry, extinction correction, technical feasibility calculations, optical spectroscopy, and x-ray astronomy. Introductions to gamma-ray, infrared, UV radio astronomy. No student may earn credit for both 4523 and 5523. (Irreg.)   |
| ASTR    | 5900   | Seminar in Astrophysics               | Prerequisite: permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. A research seminar devoted to the study of specialized topics in astronomy and astrophysics. Topics selected will reflect the interest of the instructor and students. (Irreg.)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ASTR    | 5960   | Directed Readings                                  | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| ASTR    | 5970   | Special Topics/Seminar                             | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ASTR    | 5990   | Independent Study                                  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| ASTR    | 5999   | Graduate Level Transfer Credit                     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| ATC     | 2823   | Space - Introductory Studio Practice               | Prerequisite: Majors only; ART 1033 and ART 1043. Establishes a foundational perspective that considers embodiment and space in the digital age. Examines how networked information spaces might be understood, intervened with, repurposed, and inhabited as socially navigable spaces. This examination will be supported by an equal commitment to the physical via site specificity and emerging forms of public art practice. The goal is first of all, to engage the term 'space', and secondly, to examine possibilities as that engagement is extended into practice. (Irreg.)   |
| ATC     | 2853   | Image - Introductory Studio Practice               | Prerequisites: Majors only; ART 1033 and ART 1043 or concurrent enrollment. An introduction to light and lens-based imaging with a specific emphasis on photography and the photographic image. Instructor determines content and methodology; all courses will include refinement of basic technical skills as well as critical engagement with photography and its ontology. Readings and writings will supplement class discussion.(Irreg.)   |
| ATC     | 2873   | Time - Introductory Studio Practice                | Prerequisites: Majors only; ART 1033 and ART 1043. Introduces students to a variety of temporal experience given form in film, video, and uses of the Internet. Time is conceived in terms of: (1) a succession of passing frames, (2) the mediated presence of another consciousness, (3) the inscription of testimony for an archive, (4) the live performance in bodily or vocalized sound, and (5) the re-marking of community over the course of technological change. Basic instruction is provided in the various technologies necessary to explore these topics. (Irreg.)  |
| ATC     | 3440   | Mentored Research Experience                       | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| ATC     | 4863   | BFA Studio   | Prerequisites: Majors only; ATC 2823, ATC 2853, and ATC 2873; admission to ATC major. May be repeated with change of content; maximum credit 12 hours. In this course, students develop research techniques in support of their studio practice. Seemingly diverse concentrations (for example: photography, performance, and robotics) synthesize with a common intent to investigate and communicate ideas. Students are exposed to experiences involving professional practices, including critical critique, proposed solutions and examinations of problems, public speaking/discourse, writing about art, and the formal presentation of artworks. Students' effort are concentrated through the series of Studio/Seminar courses that culminate in the public presentation of their thesis.(Irreg.) |
| AVIA    | 1003   | Introduction to Computer Concepts and Applications | Prerequisite: permission of instructor. Students learn to navigate in Windows, Microsoft Office: Word, Excel, Powerpoint, Access and Outlook. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| AVIA    | 1013   | Introduction to Air Traffic Control           | The purpose of this course is to learn about the air traffic control system from both the pilot and controller's perspectives. This course is the first of six courses for the ATC minor and a prerequisite for basic air traffic control regulations. (F, Sp)   |
| AVIA    | 1111   | Aviation Orientation                          | Prerequisite: must be a declared aviation major. Required orientation course for all declared Aviation Majors during their first semester. Orients students to the department, curriculum, resources, and provides an overview of the various aviation professions. Guest lecturers will include departmental instructors covering all aspects of the industry, as well as the advising staff. (F)   |
| AVIA    | 1113   | Introduction to Aviation                      | Prepares student to take the FAA private pilot written examination. Covers FAR's, meteorology, aerodynamics, flight physiology, performance charts, radio navigation techniques. (F, Sp, Su)   |
| AVIA    | 1213   | Basic Air Traffic Control Regulations         | Prerequisite: 1013. This course is a progressive continuation of introduction to air traffic control and a prerequisite for general air traffic control procedures. This course is more narrowly focused on study and interpretation of the FAA orders and regulations that govern the air traffic control system and the national airspace system. (Sp, Su)   |
| AVIA    | 1222   | Primary Flying                                | Prerequisite: 1113 or permission of department. Includes in-flight instruction with effort directed toward obtaining FAA certification as a private pilot. Third class medical must be obtained prior to flying. (F, Sp, Su)   |
| AVIA    | 1313   | Introduction to Unmanned Aerial Systems       | Prerequisite: permission of the department. Introduces students to Unmanned Aerial Systems (UAS). Includes the history of UAS and survey current UAS platforms, terminology, challenges to airspace integration and operational theory. (F, Sp)  |
| AVIA    | 1999   | Lower Division Transfer Credit                | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| AVIA    | 2013   | General Air Traffic Control Procedures        | Prerequisite: 1213. This course will present the study of "general control" procedures used in the terminal and en route control options as well as FAA flight service processes and procedures. This course will serve as a prerequisite for airport traffic control procedures. (F, Sp)  |
| AVIA    | 2231   | Advanced Flying                               | Prerequisite: 1222 or private pilot certificate. (F, Sp, Su)   |
| AVIA    | 2341   | Secondary Flying                              | Prerequisite: 2231. Consists of cross-country experience under the direct supervision of an instructor pilot. Part of the FAA Part 141 commercial certification course. (F, Sp, Su)  |
| AVIA    | 2513   | The History of Aviation                       | Chronicles the history of aviation through an in-depth study of powered flight and focus on the development of civil, commercial, and military aviation. The course will cover significant events and people throughout aviation history from the first powered flight through present day developments and a brief look into the future. Also examines the impact of aviation on recreation, transportation, warfare, and exploration. (F, Sp)                                      |
| AVIA    | 2613   | Aviation Safety                               | Prerequisite: 1113 and 1222. This course will examine all aspects of accidents/incidents involving airline and general aviation flights. It examines those areas from the perspective of pilots, crew members, air traffic controllers and National Transportation Safety Board (NTSB) findings. Each accident/incident is dissected with the goal of determining what went wrong and lessons that can be learned. (F, Sp)   |
| AVIA    | 3013   | Career Development for Aviation Professionals | Prerequisite: completed 36 or more college credit hours. This course will provide an overview of the career planning process for aviation students. Students will master the techniques of self-assessment, resume and letter writing, interviewing, researching companies, proper writing techniques, ethics and etiquette, and networking. This course is intended to help students prepare for internship interviews or entering the aviation industry as a professional. (F, Sp) |
| AVIA    | 3103   | Flight Deck Environmental Issues              | Prerequisite: departmental permission. Human-machine interface issues in today's modern flight deck are the focus of the course. Leading to that end, the student will explore the cognitive and psychomotor domains of learning, review studies of aircrew interface problems, learn coping mechanisms used by today's best aviation trainers to overcome design-induced problems in cockpit advanced technology. (F, Sp)   |

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| Subject | Number | Title                             | Course Description  |
|---------|--------|-----------------------------------|---|
| AVIA    | 3111   | Advanced Flight Maneuvers         | Prerequisite: 1222 or FAA private pilot certificate. Increase the student's knowledge and understanding of advanced flight maneuvers. Accelerated stalls, spins, inverted flight, and recovery from unusual attitudes. Advanced aerodynamics will be discussed and demonstrated. (F, Sp, Su)  |
| AVIA    | 3113   | Commercial Aviation               | Prerequisite: 3133 or instrument rating. Course provides the student the knowledge required to obtain a commercial pilot certificate. (F, Sp, Su)   |
| AVIA    | 3133   | Fundamentals of Instrument Flight | Prerequisite: 2231 and private pilot license. Federal aviation regulations as pertain to instrument flight rules (IFR), weather and forecast products, interpretation of en route low altitude charts and terminal instrument approach procedures, instrument flight procedures and techniques. (F, Sp, Su)   |
| AVIA    | 3213   | Airport Traffic Procedures        | Prerequisite: 2013. The primary focus of this course is to study visual air traffic control procedures, specifically, to learn the principles of operation and the separation methods required in the air traffic control tower environment. This course will serve as a prerequisite for IFR Air Traffic Control Procedures. (Sp)  |
| AVIA    | 3313   | IFR Air Traffic Procedures        | Prerequisite: 3213. Focus on the requirements and procedures used in the IFR air traffic control environment. The students will study all of the separation standards and rules used in radar and non-radar environments in the approach control and air route traffic control facilities. This course will serve as a prerequisite for Air Traffic Simulation. (F)   |
| AVIA    | 3333   | Survey of Aviation Law            | Prerequisite: 1113 or junior standing. Survey of legal issues in aviation. The student will review legislation, regulatory agencies, and case studies dealing with legal issues in the medium of airspace above the ground-predominantly over the United States. The student will be able to identify and comprehend the historical events and technical terms that describe national and international legal precedents that have shaped aviation law. (F, Sp)               |
| AVIA    | 3440   | Mentored Research Experience      | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| AVIA    | 3513   | Airport Operations Management     | Prerequisite: 1113 and junior standing. Provides the student with an in-depth analysis of airport management, operations and planning functions necessary to operate, develop, and maintain safe and efficient airport facilities as is the practice in the United States. Also introduces air traffic control (ATC) concepts. (F, Sp)  |
| AVIA    | 3572   | Instrument Flying                 | Prerequisite: 3133 and private pilot certificate. Individual flight simulator instruction in the technique of flying solely by reference to instruments. Ground instruction in radio navigation, meteorology, instrument approach procedures, air traffic control procedures and federal aviation regulations. (F, Sp, Su)  |
| AVIA    | 3581   | Multi-Engine Flying               | Prerequisite: 4552 or commercial pilot certificate. A study of the design, construction and flight characteristics of multiengine aircraft. Inflight instruction in pilotage and operation of multiengine airplanes. Designed to qualify the student for certification as a multiengine pilot. (F, Sp, Su)  |
| AVIA    | 3913   | Aerospace Contract Administration | Prerequisite: junior standing. Survey and study of specialized procedures used in the management and administration of aerospace (aviation) contracts, particularly associated with commercial and defense systems acquisitions. Students will use case study analysis, involving aerospace development and acquisition procedures, to enhance the learning experience and prepare them for future employment in the aerospace industry. (F)                                  |



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| Subject | Number | Title                                | Course Description  |
|---------|--------|--------------------------------------|---|
| AVIA    | 3923   | Aerospace Operational Research       | Prerequisite: junior standing. Students will be introduced to the fundamental methods and techniques employed by the aviation/aerospace industry when researching and analyzing operational issues. Case studies will concentrate on procedures of data acquisition and analysis where research leading to problem solutions is commonplace. Students will be able to use specialized research methods to collect data, analyze it, and then draw logical conclusions. Knowledge, skills, and abilities learned in this course will prepare students for Senior Capstone (F). |
| AVIA    | 3960   | Honors Reading                       | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| AVIA    | 3970   | Honors Seminar                       | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| AVIA    | 3980   | Honors Research                      | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| AVIA    | 3990   | Independent Study                    | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| AVIA    | 3999   | Upper Division Transfer Credit       | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| AVIA    | 4004   | Air Traffic Control Tower Simulation | Prerequisite: AVIA 3213 with minimum grade of C. Provides students an opportunity to apply knowledge learned in previous air traffic control courses, specifically AVIA 3213, and expand the knowledge base of terminal ATC procedures. The application and expansion of knowledge will occur in lectures and through working in a high fidelity, simulated ATC tower environment. Laboratory (F, Sp)   |
| AVIA    | 4013   | En-Route Radar Lab                   | Prerequisite: AVIA 3313 with minimum grade of C and departmental permission. Lab to prepare student for on-the-job training in an FAA En-Route Air Traffic Control facility. Course will consist of dynamic simulation exercises in an ATC computer lab as well as classroom briefings. Students will run scenarios as the controller and as a pseudo pilot. (Sp)   |
| AVIA    | 4015   | Air Traffic Simulation               | Prerequisite: 3313. Lab to prepare student for on-the-job training in an FAA air traffic control facility. Course will consist of dynamic simulation exercises in an ATC computer lab as well as classroom briefings. Students will run scenarios as the controller and as a pseudo pilot. (Sp)   |
| AVIA    | 4023   | Tracon Radar Lab                     | Prerequisite: AVIA 3213 with minimum grade of C and departmental permission. Lab to prepare students for on-the-job training in an FAA Terminal Radar Air Traffic Control facility. Course will consist of dynamic simulation exercises in an ATC computer lab as well as classroom briefings. Students will run scenarios as the controller and as a pseudo pilot. (Sp)  |
| AVIA    | 4113   | CFI Seminar                          | Prerequisite: 3133, 3113. Increase student knowledge of theories of learning, flight instructor authority, and responsibility and classroom and flight techniques. Emphasis on principles of instruction, student motivation and maneuver error analysis. (F, Sp, Su)   |
| AVIA    | 4313   | Turbine Transition                   | Prerequisite: 3581 and 4552. Introduce the student to the procedures of flying a turbine aircraft and the concepts of crew resource management. Emphasis is placed on the basic terminology and procedures and emergency operations. (F, Sp, Su)  |
| AVIA    | 4423   | Crew Resource Management             | Prerequisite: 1113 and junior standing. To teach the student the principles and procedures of a two or more person cockpit. Includes: briefings, call-outs, and emergency procedures. (F, Sp)   |
| AVIA    | 4552   | Commercial Flying                    | Prerequisite: 3113. The final stage of the FAA Part 141 commercial pilot certification course. Designed to polish pilot skills in commercial aircraft maneuvers.(F, Sp, Su)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| AVIA    | 4602   | Flight Instructor-Airplane  | Prerequisite: commercial pilot certificate and instrument rating. Flight instruction in preparation for FAA flight instructor certificate. (F, Sp, Su)   |
| AVIA    | 4613   | Instrument Flight Instructor  | Prerequisite: commercial pilot certificate and flight instructor-airplane certificate. Consists of lecture and flight instruction in the specialized teaching techniques and procedures required of an instrument flight instructor. At the end of the course, the student will meet the requirements for certification by the FAA as an instrument flight instructor. (F, Sp, Su)   |
| AVIA    | 4622   | Multiengine Flight Instructor   | Prerequisite: commercial multiengine pilot certificate and flight instructor -- airplane certificate. Instruction in the specialized teaching techniques and procedures required of a multiengine flight instructor. At the end of the course, the student will meet the requirements to take the flight test for certification by the FAA as a multiengine flight instructor. (F, Sp, Su)   |
| AVIA    | 4663   | Survey of Aerospace Ethical Issues  | A survey of past and present ethical issues influencing the development of ethical behavior among U.S. aerospace companies and commercial and corporate aviation. Individual development of defense mechanisms to ensure ethical behavior in competitive environments.   |
| AVIA    | 4713   | Senior Capstone   | Prerequisite: senior standing, permission of department, and all major upper-division courses or concurrent enrollment. This project course builds on the accumulated knowledge from all courses to date. Lectures will cover problem identification, analysis, generation of alternatives, cost/benefit studies, interviews and presentations. Student teams will analyze and make recommendations on an actual problem for an aviation related organization, such as the FAA. (F, Sp) [V]  |
| AVIA    | 4803   | Aviation Mental Health: Psychological Implications for Air Transportation | Prerequisite: junior standing. Students will learn about mental health issues relevant to passengers, cabin crew, and flight deck crew--that have far-reaching psychological implications for all those who travel by means of air transportation--through the experiences of flight attendants, pilots, clinicians, researchers, trainers, and professors. (Su)   |
| AVIA    | 4960   | Directed Readings   | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| AVIA    | 4970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| AVIA    | 4983   | Airline Management  | Prerequisite: junior or graduate standing. Study of the managerial aspects of the airline industry to include economic and organizational characteristics, marketing, operational scheduling, fleet planning, and labor relations. Students participate in management simulation as senior executives of a regional domestic carrier. (F, Sp)  |
| AVIA    | 4990   | Special Studies in Aviation   | 1 to 4 hours. Prerequisite: departmental permission. Will encompass various aviation-related topics including many specialty flight programs; such as, aerobatic instruction, multiengine training, pilot refresher training, etc. (F, Sp, Su)   |
| AVIA    | 5940   | Graduate Research or Applied Project in Aviation                          | Prerequisite: graduate course in electronic access to research resources and theory or equivalent. May be repeated; maximum credit four hours. Designed to provide the application of theory to practice in the field of aviation management. Students are encouraged to begin developing a research interest or service project idea early in their course of study. The project is approved and supervised by a faculty adviser. Working from the perspective of consultant, the student thoroughly investigates the issues and proposes specific actions, using analysis, planning and management tools developed during their course of study. Continuous guidance and feedback are provided by the faculty adviser and sponsor during the project. The completed project will require a comprehensive written report. (F, Sp, Su) |

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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| AVIA    | 5960   | Directed Readings                     | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| AVIA    | 5970   | Special Topics/Seminar                | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| AVIA    | 5990   | Independent Study                     | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| AVIA    | 5999   |                                       | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| B AD    | 1000   | Passport to Success I                 | Prerequisite: Majors Only and department permission. 0 Credit hours. A collection of curricular, co-curricular and extracurricular activities to enable Price College students to succeed in the workplace regardless of major. Students are required to earn a total of 40 "milestones" to successfully graduate from Price College of Business. At least 5 and no more than 7 milestones should be earned each semester. Milestones are chosen from an approved list. (F, Sp)   |
| B AD    | 1001   | Personal Computing Productivity Tools | Computer-assisted introduction to personal computing technology for spreadsheets, word processing, and presentation software. (F, Sp, Su)   |
| B AD    | 1010   | Passport to Success II                | Prerequisite: Majors Only and department permission. 0 Credit hours. A collection of curricular, co-curricular and extracurricular activities to enable Price College students to succeed in the workplace regardless of major. Students are required to earn a total of 40 "milestones" to successfully graduate from Price College of Business. At least 5 and no more than 7 milestones should be earned each semester. Milestones are chosen from an approved list. (F, Sp)   |
| B AD    | 1999   | Lower Division Transfer Credit        | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| B AD    | 2091   | Business and Professional Basics      | Prerequisite: Declared Business major. Introduces students to the professional world of business. Emphasizes important aspects such as business culture, communications, ethics, social responsibility and business skills development. Prepares students for a professional future and to identify and address strengths and weaknesses for earning that first job. Includes Career Services registration, creation of a usable resume, and exploration of people skills necessary for success in today's workplace. (F, Sp) |
| B AD    | 2110   | Topics in Business for Non-Majors     | 1 to 3 hours. May be repeated with change of content; maximum credit six hours. Course is designed to familiarize and present business related topics to majors in other disciplines of study. Topics will vary and may encompass all divisions within the Price College of Business. (Irreg.)  |
| B AD    | 2113   | Introduction to Business I            | Designed for non-Business majors. Gives each student a comprehensive introduction to the study of business. Focuses on creation and maintenance of a long-term strategic vision for the firm. Introduces and builds an understanding of the functional business areas such as management, marketing, accounting, finance, and information systems. The concepts learned are essential in managing business activities in an increasingly competitive business world. (F, Sp)  |
| B AD    | 2970   | Special Topics/Seminar                | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |

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| Subject | Number | Title                                      | Course Description   |
|---------|--------|--|--|
| B AD    | 3013   | Integrated Business Core Practicum         | Prerequisite: junior standing; Corequisite: enrollment in Integrated Business Core (L S 3323, MGT 3013, MKT 3013). Students will apply concepts from the corequisite courses to their own start-up business ventures and to community service projects. (F, Sp)  |
| B AD    | 3023   | International Financial Statement Analysis | (Crosslisted with ACCT 3023) Prerequisite: Accounting 2113 and 2123. A review of international financial reporting development, procedures and standards with an emphasis on financial statement interpretation and analysis. Open to accounting majors only as an elective. (Sp)  |
| B AD    | 3440   | Mentored Research Experience               | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| B AD    | 3513   | International Business                     | Prerequisite: student must be approved for degree candidacy in the Price College of Business. The nature and economic role of the multinational corporation including the impact of legal, political, educational, sociological, and cultural variables upon firm performance and managerial activity; case studies illustrate managerial, marketing, financial and accounting activities projected across national boundaries. (F, Sp)  |
| B AD    | 3613   | Digital Media                              | Prerequisite: junior standing, student must be approved for degree candidacy by Price College. Students will gain real-world, hands-on skills creating, editing, storing and disseminating digital media resources using applications such as Photoshop, Sound Forge, Movie Maker, and PowerPoint. Students will create digital images, digital audio, digital video and self-running narrated presentations. Students also will examine current digital media concepts, terminology, formats, requirements, trends, and the demands that digital media resources place on business infrastructure. (Su) |
| B AD    | 3700   | Internship in Business Administration      | 1 to 3 hours. Prerequisite: student must be approved for degree candidacy by Price College; permission showing approval from the designated faculty or advisor overseeing internships for credit. (F, Sp, Su)  |
| B AD    | 3710   | Topics in Business Administration          | 1 to 3 hours. Prerequisite: student must be approved for degree candidacy in Price College of Business. May be repeated; maximum credit nine hours. Permits students to study topics in business administration not included in standard course offerings. Subject of course will vary. (F, Sp, Su)  |
| B AD    | 3960   | Honors Reading                             | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted honors candidate to study materials not usually presented in regular courses.(F, Sp, Su)  |
| B AD    | 3970   | Honors Seminar                             | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| B AD    | 3980   | Honors Research                            | 1 to 3 hours. Prerequisite: admission to Honors Program; junior standing. May be repeated; maximum credit six hours. Independent research on special projects. (F, Sp)   |
| B AD    | 3990   | Independent Study                          | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| B AD    | 3999   | Upper Division Transfer Credit             | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| B AD    | 4013   | Business Strategy and Policy                        | Prerequisite: senior standing and completion of all other College of Business core courses. Administrative decision making with emphasis on analyzing business problems, formulating policies and implementing plans for action; comprehensive cases provide the opportunity to study the proper interrelationships among production, finance, marketing and the many other functions involved in managing a business enterprise. Should be taken in student's final semester. (F, Sp, Su) [V]   |
| B AD    | 4091   | Career Planning and Placement for Business Students | Prerequisite: junior or senior standing. An overview of the career planning process for business students including self-assessment of individual qualifications, interests and goals; development of personal skills in resume development, letter writing and the interviewing process; exploration of a variety of business careers. Should be taken prior to job search and interviewing. (F, Sp)  |
| B AD    | 4700   | Internship in Business Administration               | 1 to 3 hours. Prerequisite: junior standing, permission of department and Price College. May be repeated; maximum credit three hours. Application of the theory and principles of business in practical, on-the-job situations. (F, Sp, Su)  |
| B AD    | 4710   | Special Problems in Business Administration         | 1 to 3 hours. Prerequisite: junior standing and permission. May be repeated; maximum credit six hours. Permits students to study topics in business administration not included in standard course offerings. Subject of course will vary. (F, Sp, Su)   |
| B AD    | 4960   | Directed Readings                                   | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| B AD    | 4970   | Special Topics/Seminar                              | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| B AD    | 4990   | Independent Study                                   | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| B AD    | 5001   | Quantitative Methods and Modeling I                 | Prerequisites: graduate standing; departmental permission. Review of important mathematical concepts used in business decision making (emphasis on problem solving). Spreadsheets are used as the principal device for building models. The course covers concepts in the effective spreadsheet design and use. Through development and usage of specific spreadsheets, students will become well-versed in verbalizing, visualizing, forming equations, and calculating answers to key types of business problems. (Irreg.)   |
| B AD    | 5010   | Foundations of MBA Success                          | Prerequisites: departmental permission; graduate standing; majors only. This course provides an orientation to the Price MBA program, and is an essential ingredient for succeeding in the program and beyond. (F)   |
| B AD    | 5100   | MBA Professional Development-Part A                 | Prerequisite: admission to full-time MBA program. Designed to hone leadership capabilities and polish professional skills. The seminars cover topics such as oral communication and report writing, networking, team dynamics and facilitation, resume writing, effective negotiations, career planning and development, business etiquette, interview technique and skills, and other contemporary business topics as they arise. Also offers access to a variety of innovative leaders, experts and advisors. Opportunities also arise which may include speakers and networking events. (F) |
| B AD    | 5101   | MBA - Professional Development                      | Prerequisite: admission to MBA program. Stresses professional development skills. Designed to prepare students for their professional careers and the job search process in particular. Topics include: resume writing, job search and interview, negotiation skills, business etiquette, career decisions, and project and career management. (F)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| B AD    | 5102   | Managerial Economics  | Prerequisites: graduate standing; departmental permission. Microeconomic concepts and analysis as used in managerial decision-making with emphasis on marginal analysis, comparative advantage, resource allocation, opportunity cost, demand and supply, elasticity, economic efficiency, price discrimination, welfare analysis, production and cost functions, productivity, market structures, externalities and public goods, game theory, information asymmetry, market signaling, and government regulation of anti-competitive behavior. (Irreg.)   |
| B AD    | 5112   | Global Economics  | Prerequisite: graduate standing and Economics 5102. Macroeconomic analysis of the global environment of business and its impact on management decision making. The course analyzes the extent, character, and consequences of globalization with emphasis on how any economy operates in the aggregate to affect real output, unemployment, the price level, interest rates, business cycles, economic growth, foreign exchange rates, trade patterns, international financial flows and foreign investment through its fiscal, monetary, and exchange stabilization and trade policies. (Irreg.)     |
| B AD    | 5122   | Quantitative Methods and Modeling II                                | Prerequisite: B AD 5001 and graduate standing. Introduces students to the basic tools in building models and using data to make informed management decisions. Covers introductory probability, decision analysis, basic statistics, hypothesis testing, correlation, regression, simulation, linear and nonlinear optimization, and discrete optimization. Computer spreadsheet exercises, cases, and examples drawn from marketing, finance, operations management, and other management functions. Requires extensive use of spreadsheet statistical analysis software. (Irreg.)                   |
| B AD    | 5142   | Introduction to Energy  | Prerequisite: Graduate standing in Price College of Business. Corequisite: FIN 5162. Provides a broad look at the fundamentals (political, cultural, regulatory, weather, legal and environmental) of world energy supply and demand, detailed study of the complete value chain for all commodities including a look at existing and emerging strategies for refining and marketing power options, and an understanding of the technology drivers for the energy industry and the roles of various energy professionals. (Sp)  |
| B AD    | 5152   | Energy Accounting and Regulations                                   | Prerequisite: B AD 5142 and graduate standing in Price College of Business. Provides an overview of (A) federal and state regulatory law in the US affecting natural gas and oil producers and developers, interstate and intrastate pipelines, gas and power marketing companies, and power generating and transmission companies, and (B) the major accounting and tax issues affecting the energy industry. (F)  |
| B AD    | 5162   | Mapping your Career: Professional Development for Professional MBAs | Prerequisite: admission to the Professional MBA program. Stresses professional development skills and leadership development. Designed to prepare students for their professional careers and leadership roles within the industry. Topics include: resume writing, job search and interview, negotiation skills, business etiquette, career decisions, and project and career management. (Irreg.)   |
| B AD    | 5172   | Business, Government and Society                                    | Prerequisite: graduate standing, admission into Business graduate program and department permission. Within the study of business, emphasis is placed upon market competition while little attention is paid to "non-market" conditions. Examples of non-market issues include: legislation, lawsuits, etc. Non-market conditions are often reviewed as external events having limited effect upon the strategies of the firm. This course seeks to integrate these concepts/ demonstrate the importance of strategically managing these issues. (Su)   |
| B AD    | 5200   | MBA Professional Development-Part B                                 | Prerequisite: 5100, admission to full-time MBA program. Designed to hone leadership capabilities and polish professional skills. The seminars cover topics such as oral communication and report writing, networking, team dynamics and facilitation, resume writing, effective negotiations, career planning and development, business etiquette, interview technique and skills, and other contemporary business topics as they arise. Also offers access to a variety of innovative leaders, experts and advisors. Opportunities also arise which may include speakers and networking events. (Sp) |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| B AD    | 5201   | MBA - Professional Development II                              | Prerequisite: B AD 5101. This course will enable students to develop critical skills needed to identify, prepare for, and pursue a post MBA career. The course will focus on real-world and practical aspects of the business arena. Students will interact with key business leaders representing a variety of industries and functional areas. (Sp)  |
| B AD    | 5470   | Applied Business Project                                       | Prerequisites: MBA graduate standing in Price College; permission. Provides students an opportunity to synthesize and apply the knowledge and skills gained in the MBA coursework. Project must be a special project in the sense it should not be a part and parcel of regular responsibilities. Project report is vehicle for students to demonstrate ability to produce a complete professional business document. (Irreg.)                             |
| B AD    | 5480   | Research in Business Administration                            | 1 to 3 hours. Prerequisite: graduate standing and permission. May be repeated with change of topic; maximum credit nine hours. Guided research in business administration. (Sp, Su)  |
| B AD    | 5490   | Readings in Business Communication and Business Administration | 1 to 3 hours. Prerequisite: graduate standing and permission. May be repeated; maximum credit 12 hours. Preparation and submission of a research report on an assigned comprehensive topic relating to the business enterprise or to its ethical environment. (F, Sp, Su)  |
| B AD    | 5812   | Global Business Experience                                     | Prerequisite: graduate standing and department permission. The course will focus on a study-abroad experience in a specific country. Students will have in-class instruction prior to and during their trip. Students will visit local and U.S. businesses; interact with and governmental leaders; participate in cultural events and experience local customs and culture; analyze cases involving the country; and, complete a written report. (Irreg.) |
| B AD    | 5822   | Business Consulting Practicum                                  | Prerequisite: graduate standing and department permission. This course applies the "Design Thinking" approach, which relies on rapid action followed by interaction and then reflection, to business consulting projects. It offers an immersive experience to students by using a hands-on, iterative approach to collaboratively solving real world business problems, and may include developing innovative products, processes and services. (Sp)      |
| B AD    | 5832   | Applied Business Internship                                    | Prerequisite: B AD 5812 and B AD 5822 or department permission. This semester-long two-credit course will provide experiential learning in a student's area of specialization and thereby enable them to apply their academic knowledge to real world contexts. Students specializing in different academic areas will be matched with internships in those areas. (F)   |
| B AD    | 5902   | Strategic Management   | Prerequisite: graduate standing and permission of the department. The study of management decisions and actions to improve an organization's competitiveness in global business environments. Uses a variety of pedagogies to integrate strategies. Students develop skills to formulate, implement, and evaluate organizational strategies in rapidly changing environments. This course is an integrative/cross-functional course. (F, Su)               |
| B AD    | 5960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| B AD    | 5970   | Special Topics/Seminar   | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| B AD    | 5973   | Seminar  | Prerequisite: graduate standing, permission (Director-CBA Graduate Programs). May be repeated with change of topic; maximum credit nine hours. A seminar for graduate students with topics to be announced each time the course is offered. (F, Sp, Su)  |
| B AD    | 5980   | Research for Master's Thesis                                   | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| B AD    | 5990   | Independent Study  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                                    | Course Description   |
|---------|--------|--|--|
| B AD    | 5999   | Graduate Level Transfer Credit           | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| B AD    | 6243   | Applied Univariate Statistics            | (Crosslisted with MKT 6243) Prerequisite: Ph.D. standing or permission of instructor, permission (director-CBA graduate programs). Probability, algebra of expectations, random sampling, sampling distributions, point and interval estimation, tests of hypotheses, parametric and nonparametric, sampling methods, survey design, general linear model, computer applications, statistical analysis system. (F)   |
| B AD    | 6960   | Directed Readings                        | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| B AD    | 6970   | Special Topics/Seminar                   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)   |
| B AD    | 6980   | Research for Doctoral Dissertation       | 2 to 16 hours. (F, Sp, Su)   |
| B AD    | 6990   | Independent Study                        | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| B C     | 1999   | Lower Division Transfer Credit           | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| B C     | 2813   | Business Communications                  | Prerequisite: Business majors and students enrolled in approved degree programs or by permission of Price College advising; ENGL 1213 or EXPO 1213 or equivalent. Introduces the strategies, processes, and resources necessary for writers in business and professional contexts. Students practice informative and analytical business genres while gaining expertise in research, writing, and revision. (F, Sp, Su)  |
| B C     | 3000   | Special Topics in Business Communication | 1 to 3 hours. Prerequisite: 2813. May be repeated with change of content; maximum credit six hours. Content varies but may cover topics such as presentations and performance, intercultural business communications, communications in team building, leadership and managerial communications, organizational communication, business communication ethics, communication strategy and persuasion and others, depending on instruction. Course will be writing intensive. (Irreg.) |
| B C     | 3003   | Workplace Skills                         | Prerequisite: Student must be approved for degree candidacy by Price college. Available for non-business student with approval. This hands-on, engaging course will familiarize students with the soft skills necessary to successfully meet the people-to-people challenges of today's workplace. Each student will complete a personal communication style assessment. (F, Sp, Su)   |
| B C     | 3440   | Mentored Research Experience             | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)        |
| B C     | 3960   | Honors Reading                           | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| B C     | 3970   | Honors Seminar                           | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| B C     | 3980   | Honors Research                              | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| B C     | 3990   | Independent Study                            | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| B C     | 3999   | Upper Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| B C     | 5999   | Graduate Level Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| BARI    | 2000   | Freshman and/or Sophomore Secondary Baritone | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| BARI    | 3440   | Mentored Research Experience                 | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| BARI    | 6020   | Doctoral Baritone for Performance Majors     | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| BASN    | 1999   | Lower Division Transfer Credit               | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| BASN    | 2000   | Freshman and/or Sophomore Secondary Bassoon  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| BASN    | 2020   | Bassoon for Music Majors; Freshman/Sophomore | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| BASN    | 3440   | Mentored Research Experience                 | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| BASN    | 3999   | Upper Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| BASN    | 4000   | Junior and/or Senior Secondary Bassoon       | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| BASN    | 4020   | Bassoon for Music Majors: Junior/Senior      | 1 to 4 hours. Prerequisite: Majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| BASN    | 5000   | Master's Level Secondary Bassoon                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| BASN    | 5010   | Master's-Level Bassoon for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| BASN    | 5020   | Master's-Level Bassoon for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| BASN    | 5999   | Graduate Level Transfer Credit                          | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| BASN    | 6000   | Doctoral Secondary Bassoon                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| BASN    | 6010   | Doctoral Bassoon for Non-Performance Music Majors       | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| BASN    | 6020   | Doctoral Bassoon for Performance Majors                 | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| BASS    | 1999   | Lower Division Transfer Credit                          | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| BASS    | 2000   | Freshman and/or Sophomore Secondary Bass                | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| BASS    | 2020   | Bass for Music Majors: Freshman/Sophomore               | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| BASS    | 3440   | Mentored Research Experience                            | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| BASS    | 3999   | Upper Division Transfer Credit                          | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| BASS    | 4000   | Junior and/or Senior Secondary Bass                     | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| BASS    | 4020   | Bass for Music Majors: Junior/Senior                    | 1 to 4 hours. Prerequisite: Majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| BASS    | 5000   | Master's Level Secondary Bass                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| BASS    | 5010   | Master's-Level Bass for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| BASS    | 5020   | Master's-Level Bass for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| BASS    | 5999   | Graduate Level Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| BASS    | 6000   | Doctoral Secondary Bass                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| BASS    | 6010   | Doctoral Bass for Non-Performance Music Majors       | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| BASS    | 6020   | Doctoral Bass for Performance Majors                 | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| BIOL    | 1003   | Contemporary Issues in Biology                       | An introduction to biology, focusing on the scientific background needed to understand selected issues related to cells, genetics and inheritance, evolution and ecology. Not open to students with credit for BIOL 1005, BIOL 1013, BIOL 1114, BIOL 1124, BIOL 1134, or PBIO 1114. Cannot be used for major credit in Biology, Microbiology, or Plant Biology. (F, Sp) [II-NL]   |
| BIOL    | 1005   | Concepts in Biology                                  | Prerequisite: None, but high school or college chemistry is recommended. An introduction to the life sciences, focusing on the structure and function of organisms and their relationship to the environment. Fulfills general education laboratory science requirement. Not open to students with credit for BIOL 1003 or BIOL 1134, or PBIO 1114, BIOL 1114 or BIOL 1124. Cannot be used for major credit in Biology, Plant Biology, or Microbiology. Field trips. Laboratory. (F, Sp) [II-LAB]                       |
| BIOL    | 1013   | Introduction to Biology                              | Introductory survey of the fundamental concepts that underlie biological phenomena from the cellular to the ecosystem level. Not open to students with credit for 1003, 1005, or 1134, or Zoology 1114, or Zoology 1124. Cannot be used for major credit in Zoology, Botany or Microbiology. (F, Sp) [II-NS]  |
| BIOL    | 1114   | Introductory Zoology                                 | Major biological principles and concepts as illustrated in the structure, function and evolution of animals. Emphasis is on self-regulatory mechanisms, especially in the vertebrates, and their adaptive significance. (F, Sp, Su) [II-NL]   |
| BIOL    | 1121   | Introductory Zoology Lab                             | Prerequisite: previous completion or concurrent enrollment in 1114. Laboratory study of structure and development of organ systems. Experiments on physiological process of selected vertebrates and invertebrates. (F, Sp, Su) [II-LAB]  |
| BIOL    | 1124   | Intro Biol: Molecule/Cell/Phys                       | Content is focused toward life science majors. Major principles and concepts are presented in the function and physiology of animals, plants, fungi and microbes. Emphasis is on biological chemistry, cell structure and function, cellular energetics, molecular genetics, homeostasis and physiology. Includes biological laboratory experience with emphasis on critical thinking and problem solving, and topics include biochemistry, molecular genetics, cell processes and physiology. Laboratory. (F) [II-LAB] |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| BIOL    | 1134   | Introductory Biology: Evolution, Ecology and Diversity | Prerequisite: Life science majors only. Major biological principles and concepts as illustrated in a survey of the diversity, behavior, and ecological functions of animals, plants, fungi, and microbes. Emphasis is on evolution, ecology, and diversity. Will include biological laboratory experience with emphasis on problem solving. Problems will be derived from topics in evolution, ecology, and diversity. Will include training in scientific procedures, including laboratory technical skills, writing skills, and introduction to statistical analysis. Recitation will include discussion and case study analysis of the major biological principles presented in the lecture within the context of health and the environment. Will involve problem sets, primary journal articles, and writing assignments. Includes both online and classroom activities. Laboratory (Sp) [II-LAB] |
| BIOL    | 1203   | The Age of Dinosaurs                                   | (Crosslisted with GEOL 1203) Introduction to basic principles and theories in biology (evolution, systematics, vertebrate morphology and relationships) and geology (geologic time, earth history, plate tectonics, sedimentation and stratigraphy), focusing on the evolutionary history of Dinosauria. May not be counted for major coursework in Biology or Geology. (F) [II-NL]  |
| BIOL    | 1999   | Lower Division Transfer Credit                         | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| BIOL    | 2011   | Critical Eval of Biol Research                         | Prerequisite: 1114 and 1121, or 1124, and 2012 or concurrent enrollment. Emphasis will be placed on understanding the scientific method, how it applies to biological research, and implications for biomedical issues. The course will also introduce students to research in the four core areas of study in the Zoology department (physiology, ecology and systematics, animal behavior, and cellular, genetic, and developmental biology) while emphasizing three basic themes in biology (homeostasis, biological diversity, and evolution). (Sp)  |
| BIOL    | 2012   | Foundations in Biomed Sciences                         | Prerequisite: 1114 and 1121, or 1124. An introduction to professional aspects of the biomedical sciences including basic biostatistics and data interpretation, critical evaluation of scientific literature, and discussion of case studies in biomedical ethics. Emphasis will be placed on the medical relevance of important generalizing themes in biology, including evolution, homeostasis, and biodiversity. Critical thinking and evaluation of current issues in medicine and medical research will be incorporated into class activities. (Sp)  |
| BIOL    | 2013   | Evolution  | Prerequisite: ZOO/BIOL 1124, or ZOO/BIOL 1114 and ZOO/BIOL 1121; and Biology 1134. Process of evolutionary change. Topics include origin of species, evolution above the species level, major transitions of life on earth, application of evolutionary principles in medicine and conservation. (F, Sp)   |
| BIOL    | 2103   | Everyday Evolution                                     | Prerequisite: sophomore standing. Overview of the on-going processes of biological evolution, with emphasis on how current and past evolution affects our daily life (e.g., in agriculture, medicine, the law, conservation, and human social interactions). Processes of the origin of biodiversity and species extinction are examined within the context of life's past history on earth and prospects for its future. Not available for major credit in Plant Biology, Microbiology or Biology. (Irreg. Every other year) [II-NL]  |
| BIOL    | 2124   | Human Physiology                                       | Prerequisite: BIOL 1114 and BIOL 1121 with a grade of C or better, or BIOL 1124 with a grade of C or better; a course in chemistry or physics with a grade of C or better. May not be applied for biology major credit. Open only to majors in nursing, physical therapy, health and exercise science, and selected fields. See <a href="http://biology.ou.edu/human_anatomy-physiology.htm">http://biology.ou.edu/human_anatomy-physiology.htm</a> for complete list. Function of vertebrate organ systems in homeostasis. Circulation, digestion, endocrine and nervous control, metabolism, muscle action and respiration, with emphasis on humans. Laboratory (F, Sp, Su)  |

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| Subject | Number | Title                         | Course Description  |
|---------|--------|-------------------------------|---|
| BIOL    | 2234   | Introduction to Human Anatomy | Prerequisite: BIOL 1114 and BIOL 1121 with a grade of C or better, or BIOL 1124 with a grade of C or better, sophomore standing. (Cannot be enrolled concurrently with BIOL 2255). Open only to majors in health and exercise science, physical therapy, nursing and selected fields. See <a href="http://biology.ou.edu/human_anatomy-physiology.htm">http://biology.ou.edu/human_anatomy-physiology.htm</a> for complete list. An introduction to the gross morphology of the human body. The course will use a lab/lecture format with extensive use of models, videos, and computer-assisted instruction as well as prosected cadavers. Not for biology major credit. (F) |
| BIOL    | 2255   | Human Anatomy                 | Prerequisite: BIOL 1114 and BIOL 1121 with a grade of C or better, or BIOL 1124 with a grade of C or better, sophomore standing. (Cannot be enrolled concurrently with BIOL 2234). Open only to majors in health and exercise science, physical therapy, nursing and selected fields. See <a href="http://biology.ou.edu/human_anatomy-physiology.htm">http://biology.ou.edu/human_anatomy-physiology.htm</a> for complete list. The development and gross morphology of the human body and its systems. Laboratory dissection of human cadavers. Not for biology major credit. Laboratory (F, Sp)  |
| BIOL    | 2404   | Ecology/Environmental Quality | (Crosslisted with BOT/PBIO 2404) Prerequisite: sophomore standing. Study of ecological principles and their applications to human systems, study of population, air pollution, water pollution, energy issues, etc. Laboratory exercises focus on learning scientific methods of measurement of environmental quality factors. Laboratory (Sp) [II-LAB]   |
| BIOL    | 2913   | Intro to Quantitative Biology | Prerequisite: 1114 and 1121, or 1124, or Biology 1134, Mathematics 1523 or 1643 or higher, or permission of instructor. The connections between basic mathematics and how biological data are organized, tested, and interpreted. Includes review of probability theory, introduction to parametric and non-parametric biostatistics, fundamentals of experimental design, and sketches of how optimality theory can be used to generate biological questions. (Sp even-numbered years)   |
| BIOL    | 2970   | Special Topics                | 1 to 3 hours. Prerequisite: BIOL 1134 and BIOL 1124; or BIOL 1134 and BIOL 1114 and BIOL 1121; or BIOL 1124, BIOL 1134, or BIOL 1114 and BIOL 1121, and either Plant Biology 1114 or Chemistry 1315; or permission of instructor. May be repeated with change of content; maximum credit nine hours. Seminar or special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.) [II-NL]  |
| BIOL    | 3013   | Evolution                     | Prerequisite: Eight hours of Zoology and/or Botany/PBIO, or five hours of Zoology or Botany/PBIO and permission of instructor. Process of evolution. Differentiation and natural selection in populations, the nature of species, the origins of species, and evolution above the species level. (F)  |
| BIOL    | 3053   | Biology of Invertebrates      | Prerequisite: BIOL 1114 and BIOL 1121, or BIOL 1124 or BIOL 1134; or permission of instructor. A survey of invertebrates featuring their classification, diversity, morphology, life history, ecology, conservation, and evolution. Laboratory (Sp)   |
| BIOL    | 3054   | Invertebrate Zoology          | Prerequisite: ZOO/BIOL 1114 and ZOO/BIOL 1121, or BIOL 1134. A survey of the invertebrate animals featuring their classification, morphology, life history, ecology, conservation considerations and evolution. Laboratory (Sp)   |
| BIOL    | 3063   | Veterinary Entomology         | Prerequisite: ZOO/BIOL 1124, or ZOO/BIOL 1114 and ZOO/BIOL 1121; and Biology 1134. The study of insects and their near relatives, such as ticks, as they relate to the causation of economic loss and transmission of disease organisms in livestock and companion animals. Insect biology, disease transmission, and methods of control will be stressed in lecture. Laboratory emphasizes 1) collection, preservation, and pathogens, and 2) toxicological methods used to control and evaluate insecticides and acaricides. Laboratory (December Intersession)   |
| BIOL    | 3073   | Medical Entomology            | Prerequisite: 1114 and 1121, or Biology 1134. Medical entomology investigates the relationship of insects and other arthropods to the health of humans, domestic animals, and wildlife. Laboratory. (Sp)  |

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| Subject | Number | Title                          | Course Description   |
|---------|--------|--------------------------------|--|
| BIOL    | 3083   | Animal Behavior                | (Crosslisted with PSY 3083) Prerequisite: 2013 or permission of instructor. Animal behavior from an evolutionary perspective. The effects of natural selections on mechanisms underlying behavior and on diversity of behavior among and within species. (F, Sp)   |
| BIOL    | 3092   | Animal Behavior Laboratory     | (Crosslisted with PSY 3092) Prerequisite: junior standing; concurrent or previous enrollment in 3083. Laboratory and field studies on the adaptive nature of animal behavior, illustrating basic principles of experimental design, data analysis, and scientific writing. Laboratory (F)  |
| BIOL    | 3101   | Principles of Physiology Lab   | Prerequisite: 3103 or concurrent enrollment. Provides students with an introduction to the methods and procedures used in physiological research. Topics covered include data acquisition, analysis and basic statistics, effects of temperature on living systems, nervous system functions, muscle mechanics and physiology, and studies of metabolic rates. In addition to hands-on laboratory experience, library projects and written research papers are used to introduce students to methods of scientific communication. Laboratory (F, Sp) |
| BIOL    | 3103   | Principles of Physiology       | Prerequisite: ZOO/BIOL 1124, or ZOO/BIOL 1114 and ZOO/BIOL 1121; and Biology 1134, or permission of instructor. One semester of physics and organic chemistry strongly recommended. Introduction to basic concepts of physiology; relation of functions of organisms to physical and chemical principles, and to the environment; discussion of experimental design, constituents of tissues, energy, growth, homeostasis, cellular and organ functions. (F, Sp)   |
| BIOL    | 3113   | Cell Biology                   | (Crosslisted with PBIO and MBIO 3113) Prerequisite: 1114, or 1124, or Biology 1134, or Botany 1114, and Chemistry 3053. Introduction to the cell as a unit of life. A chemical and physical comparison of procaryotic and eucaryotic cells to include a discussion of cell metabolism, types of metabolic regulation, and an analysis of ultrastructure. Emphasis will be placed on the dynamic changes in metabolism and ultrastructure which occur during the life of a cell. (F, Sp)  |
| BIOL    | 3201   | Animal Development Lab         | Prerequisite: 3203 or concurrent enrollment. Laboratory study of the development and embryology of a variety of animals. Developmental concepts and mechanisms will be illustrated through the use of prepared materials and hands-on experiments. Laboratory (F, Sp)  |
| BIOL    | 3203   | Animal Development             | Prerequisite: ZOO/BIOL 1124, or ZOO/BIOL 1114 and ZOO/BIOL 1121; and ZOO/BIOL 3333; and BIOL 1134. Study of animal development from gamete formation through organogenesis and postembryonic phases in different animal models. Concepts and mechanisms at the tissue, cellular and molecular levels will supplement descriptive analyses of development. (Sp)   |
| BIOL    | 3214   | Comparative Vertebrate Anatomy | Prerequisite: BIOL 1114 and BIOL 1121; or BIOL 1124; or BIOL 1134; or equivalent. A study of the anatomy and evolutionary development of vertebrate organ systems. Representative vertebrates are studied in laboratory. Laboratory (F)  |
| BIOL    | 3333   | Genetics                       | (Crosslisted with PBIO 3333) Prerequisite: ZOO/BIOL 1124, or ZOO/BIOL 1114 and ZOO/BIOL 1121; Biology 1134 recommended. Principles of inheritance at gene, chromosome, and population levels; nature of the genetic material and its involvement in the determination of structure and function. (F, Sp)   |
| BIOL    | 3342   | Genetics Laboratory            | (Crosslisted with BOT/PBIO 3342) Prerequisite: 3333 or concurrent enrollment, or equivalent. The demonstrations, crosses and experiments are designed to illustrate various genetic phenomena, including Mendelian laws, recombination, mutation, natural and artificial selection, and interaction of genotype with environment. The primary organism studied is <i>Drosophila</i> , with some use of corn, <i>Neurospora</i> , and others. Laboratory (F)  |
| BIOL    | 3403   | Principles of Ecology          | Prerequisite: BIOL 1114 and BIOL 1121, or BIOL 1134, or PBIO 1114. Patterns of environments and biological communities; the processes maintaining these patterns. Field trips. Some overnight trips. Laboratory (F, Sp)  |

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| Subject | Number | Title                               | Course Description  |
|---------|--------|-------------------------------------|---|
| BIOL    | 3440   | Mentored Research Experience        | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| BIOL    | 3463   | Water and Ecological Sustainability | (Crosslisted with ENST 3463) Prerequisite: junior standing and English 1213 or Expository Writing 1213, BIOL 1114 or BIOL 1124 or BIOL 1134, or permission of instructor. Objective of the course is to allow students to examine and discuss important historical and current issues relating to the interactions between socio-economic use of water resources and ecosystem biodiversity, function, and sustainability. (F)  |
| BIOL    | 3483   | Remote Sensing and Phenology        | (Crosslisted with GEOG 3483) Prerequisite: junior standing. Focus on the analysis of phenology both on the ground and from space. Phenology is the study of the timing of biological phenomena, with a particular emphasis on the linkages between abiotic drivers and biological responses of particular organisms. Land surface phenology explores how quasi-periodic events in terrestrial vegetation appear when observed with satellite images. The course has a field component and the students will be trained as phenological observers. Field trips. (Sp)   |
| BIOL    | 3563   | Biological Conservation             | Prerequisite: BIOL 1114 and BIOL 1121, or BIOL 1134, or BOT/PBIO 1114. Active learning format course for exploring ecological, legal, and societal issues affecting biodiversity at local, regional, and global scales. (F-even numbered years)   |
| BIOL    | 3833   | Introduction to Neurobiology        | Prerequisite: BIOL 1124. Introduction to cellular and behavioral neurobiology. Topics covered will include cellular neurobiology, neurophysiology, neuroanatomy, sensory processing, movement, and neurobiology of behavior. (Sp)   |
| BIOL    | 3960   | Honors Reading (HONORS)             | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor. The content will emphasize work not presented in other courses. (F, Sp, Su)  |
| BIOL    | 3980   | Honors Research (HONORS)            | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project under the guidance of a professor in the student's field. Laboratory (F, Sp, Su)   |
| BIOL    | 3990   | Independent Study                   | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| BIOL    | 3999   | Upper Division Transfer Credit      | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| BIOL    | 4013   | Insect Ecology                      | (Slashlisted with 5013) Prerequisite: two college science courses that include a laboratory, one of which should be in biological sciences or permission of UOBS Director. A study of insect biodiversity in southern Oklahoma with emphasis on classification, natural history, relationship of insects to their habitats, and methods of collection. Topics will include characteristics of the major insect orders and families, insect natural history, morphological and physiological adaptations, and behavior and plant-insect interactions. No student may earn credit for both 4013 and 5013. Laboratory. (Su)                  |
| BIOL    | 4023   | Field Mammology                     | (Slashlisted with 5023) Prerequisite: two college science courses that include a laboratory, one of which should be in biological sciences or permission of UOBS Director. Study of mammals with emphasis on principle of mammalian ecology, conservation, biodiversity, techniques of field study, and methods of collection and preservation. Topics include characteristics of mammals, classification, natural history, ecology, biodiversity, conservation, and techniques in field study. Emphasis is given to mammals of southern Oklahoma and northern Texas. No student may earn credit for both 4023 and 5023. Laboratory. (Su) |

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| Subject | Number | Title                         | Course Description  |
|---------|--------|-------------------------------|---|
| BIOL    | 4034   | Mammalogy                     | Prerequisite: ZOO/BIOL 1124, or ZOO/BIOL 1114 and ZOO/BIOL 1121; and Biology 1134. Classification, distribution and natural history of mammals with emphasis on Oklahoma species. Mammals are collected and prepared for scientific collections. Field trips. Some overnight camping. Laboratory. (F even-numbered years)   |
| BIOL    | 4044   | Ornithology                   | Prerequisite: ZOO/BIOL 1124, or ZOO/BIOL 1114 and 1121; and BIOL 1134. Biology of birds. Identification of birds in North America with emphasis on Oklahoma; relationships, natural history and behavior of birds. Field trips. Laboratory (Sp odd-numbered years)  |
| BIOL    | 4053   | Forensic Entomology           | Prerequisite: ZOO/BIOL 1124, or ZOO/BIOL 1114 and ZOO/BIOL 1121; and Biology 1134. Lecture will explore the use of insects in the science of forensic entomology and its impact on death scene investigation, neglect or abuse; contamination of food products and other marketable goods and subsequent litigation. Lab will be centered on a "death scene investigation" in which students will collect data from a pig carcass to determine factors that affect the rate of decomposition. Laboratory (May Intersession)   |
| BIOL    | 4063   | Field Herpetology             | (Slashlisted with 5063) Prerequisite: two college science courses that include a laboratory, one of which should be in biological sciences or permission of UOBS Director. Overview of methods, techniques, and standards for the collection, management, and analysis of herpetological field data for various applications. Includes collection of amphibians and reptiles, and diagnostic (morphological, ecological, and behavioral) characteristics of species. Students design and complete individual projects that address current issues in biology and conservation in herpetology. No student may earn credit for both 4063 and 5063. Laboratory. (Su) |
| BIOL    | 4073   | General Entomology            | Prerequisite: Sophomore standing, and ZOO/BIOL 1114 and ZOO/BIOL 1121, or Biology 1134, or Botany/PBIO 1114, or Biology 1005, or permission of instructor. Introduction to the world of insects. Morphological and physiological adaptations; taxonomy, life histories, and methods of collection. Field trips. Laboratory (F)  |
| BIOL    | 4083   | Herpetology                   | Prerequisite: 2013 and Biology 1134 or permission of instructor. An introduction to the study of amphibians and reptiles. Taxonomy, ecology, behavior and life histories of amphibians and reptiles, with emphasis on local forms. Field trips. Laboratory (F odd-numbered years)   |
| BIOL    | 4093   | Behavioral Ecology            | Prerequisite: 3083 or permission of instructor. Ecological basis of animal behavior and the role of behavior in adaptation, speciation, and co-evolution. Topics include behavioral genetics, decision making, sexual selection and sexual conflict, sociality, and human behavior and ecology. (F)   |
| BIOL    | 4113   | Cellular Pathology            | (Slashlisted with 5113) Prerequisite: 3113 or permission of instructor. The course focus is on the molecular and cellular bases of disease and alterations in cellular processes that lead to the development of various pathological conditions. Topics include symptoms of cellular disease, pathology of organelles, cell injury, cell death, immunopathology, neoplasia and genetic disorders. No student may earn credit for both 4113 and 5113. (F)   |
| BIOL    | 4153   | Endocrinology                 | (Slashlisted with 5153) Prerequisite: 3103; 3113 strongly recommended. The major emphasis of the course is how hormones work at the molecular, cellular, and physiological levels. The course examines the molecular biology of hormonal mechanisms and the integration of those mechanisms to maintain crucial homeostatic control systems. Hormones and their receptors are considered in terms of chemistry, biosynthesis, and mechanisms of action. The course focuses primarily on vertebrate hormones. No student may earn credit for both 4153 and 5153. (Sp)  |
| BIOL    | 4172   | Cellular-Molecular Techniques | Prerequisite: ZOO/BIOL 3113 or permission of instructor. A hands-on introduction to molecular techniques used in modern cell/molecular laboratories and discussed in cell biology courses. No student may earn credit for both ZOO/BIOL 4172 and ZOO/BIOL 5172. (Sp)  |



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| Subject | Number | Title                                      | Course Description   |
|---------|--------|--|--|
| BIOL    | 4193   | Life History                               | (Slashlisted with 5193) Prerequisite: senior standing or permission of instructor. Overview of theory and empirical studies of life history evolution. Includes lecture, discussion of the primary literature, and analysis of some basic life history problems. No student may earn credit for both ZOO/BIOL 4193 and 5193. (Sp Odd-numbered years)   |
| BIOL    | 4204   | Vertebrate Paleobiology                    | (Crosslisted with GEOL 4204; Slashlisted with 5204) Prerequisite: 1114 and 1121, or 1124 or Biology 1134; 3214; or permission of instructor. Field trips. Systematics, relationships, zoogeography and evolutionary morphology of the major groups of vertebrates. No student may receive credit for both 4204 and 5204. Laboratory (Sp - odd-numbered years)  |
| BIOL    | 4213   | Neurobehavioral Development                | Prerequisite: ZOO/BIOL 1124, or ZOO/BIOL 1114 and ZOO/BIOL 1121; and Biology 1134. Specific developmental issues will be discussed from both the behavioral and biological levels of analysis. Cannot be taken for credit if 6213 has been previously taken. (Irreg.)  |
| BIOL    | 4223   | Cellular and Molecular Neurobiology        | (Slashlisted with 5223) Prerequisites: 3103, 3113, 3203, or 3333, or permission of instructor. Introduction to cellular and molecular neurobiology through reading and discussion of landmark research papers in five current areas of research. Emphasis will be on understanding modern cellular and molecular research methods and on critical interpretation of scientific data. No student may earn credit for both 4223 and 5223. (Sp)   |
| BIOL    | 4233   | Neurobiology of Disease                    | Prerequisite: ZOO/BIOL 4833 (preferred), or ZOO/BIOL 3113 and ZOO/BIOL 3333, or ZOO/BIOL 2124 or ZOO/BIOL 3103; or permission of the instructor. Cellular and molecular mechanisms underlying both normal neuronal function and neuronal disorders. Includes a review of basic concepts in neuroscience through traditional lectures, and reading and discussion of original research articles. Students are required to give oral presentations, write critiques and term papers, and present research posters. No student may earn credit for both ZOO/BIOL 4233 and ZOO/BIOL 5233. (F)                                    |
| BIOL    | 4244   | Animal Histology                           | Prerequisite: ZOO/BIOL 3103 and ZOO/BIOL 3113, or permission of instructor. Structure and function of animal tissues with emphasis on the cellular basis of tissue and organ function. Laboratory emphasizes the identification of cells and tissues with the use of the light microscope. Laboratory (Sp)   |
| BIOL    | 4253   | Evolution of Development                   | (Slashlisted with 5253) Prerequisite: 3013 and 3203, or permission of the instructor. Introduction to evolutionary developmental biology (EVO DEVO), study of the developmental basis of evolutionary changes and how developmental mechanisms and developmentally important genes evolve. Latest techniques and methods in evolutionary biology, embryology, developmental biology, molecular genetics, population biology, phylogenetics and genomics. No student may earn credit for both 4253 and 5253. (Sp-odd numbered years)  |
| BIOL    | 4353   | Molecular Tech-Field Biology               | (Slashlisted with 5353) Prerequisite: 1114 and 1121, or 1124 and permission of instructor; 3333 or 3403 recommended. Selected protocols and data interpretation using molecular techniques to study protein and DNA variation in natural populations and the application of molecular techniques to research problems in ecology, systematics, animal behavior, conservation biology, and related areas. Graduate students enrolled in 5353 will have additional project expectations and written work. Taught at the OU Biological Station. No student may earn credit for both 4353 and 5353. Field trips. Laboratory (Su) |
| BIOL    | 4361   | Experimental Genetics and Cell Biology Lab | Prerequisite: BIOL 3333 or BIOL 3113. Students will be introduced to experimental design and techniques including types of microscopy such as SEM and TEM, cell and tissue culture, DNA isolation, protein and DNA electrophoresis, PCR, and introductory bioinformatics. (Sp-odd numbered years)  |
| BIOL    | 4383   | Functional Genomics                        | (Slashlisted with 5383) Prerequisite: 3113 and either 3203 or 3333 or 4843 or Chemistry 3653 or permission of the instructor. Introduction to how to study the functions (broadly including biochemical activity, cell biological function or organismal function) of all the genes in a genome. Latest techniques and methods in genetics, molecular biology, microarrays, proteomics and computation biology. No student may earn credit for both 4383 and 5383. (F)   |

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| Subject | Number | Title                                    | Course Description  |
|---------|--------|--|---|
| BIOL    | 4394   | Advanced Light Microscopy                | (Crosslisted with MBIO 4394 and PBIO 4394, Slashlisted with 5394) Prerequisite: permission of instructor and junior standing. Corequisite: Enrollment in lab section. Focuses on theory and techniques in light microscopy covering principles including confocal laser scanning microscopy, multiple photon imaging, FLIM/FCS, FRET, fluorescence microscopy, phase contrast, DIC, 3D rendering, and other advanced optical technologies. Also includes a lab section where students will learn to use advanced epifluorescence and confocal microscopes. No student may earn credit for both 4394 and 5394. (F)   |
| BIOL    | 4413   | Tropical Ecology                         | Prerequisite: 3013 or 3083 or 3403. Focuses on unique features of tropical ecosystems. Topics include: abiotic features that give rise to tropical forests, gap dynamics, tropical biodiversity, plant-animal interactions, value of tropical forests, causes and consequences of tropical deforestation. (Irreg.)  |
| BIOL    | 4423   | Stream Ecology                           | Prerequisite: ZOO/BIOL 1124, or ZOO/BIOL 1114 and ZOO/BIOL 1121; and Biology 1134; junior or senior standing, or permission of instructor. A combined lecture/laboratory course that focuses on the physical, chemical, and biological features of stream ecosystems, including current theories explaining species interactions and stream function. Course requirements/evaluation including a midterm and final examination, individual research papers and presentations, participation in group laboratory and field experiments, and reading and discussing the primary literature. No student may earn credit for both 4423 and 5423. Field trips. Laboratory (F-odd numbered years) |
| BIOL    | 4433   | Freshwater Fish Ecology                  | (Slashlisted with 5433) Prerequisite: Two college science courses that include a laboratory, one of which should be in biological sciences or permission of UOBS Director. Ecology of freshwater fish with emphasis on hands-on learning and study of fish in their natural settings. Topics include ecology of fish populations and communities, trophic structure and food webs, and field sampling and censusing techniques in streams and lakes. No student may earn credit for both 4433 and 5433. (Su)  |
| BIOL    | 4463   | Lake Ecology                             | Prerequisite: CHEM 1315, PHYS 1205 or 2414, and BIOL 3403, or permission of instructor. An introduction to the biology, chemistry, physics, and geology of freshwater environments, with emphasis on ecology. (F)   |
| BIOL    | 4471   | Ecology of Lakes Laboratory              | Prerequisite: 4463 or concurrent enrollment. Experience in the use of the basic limnological methods and application of these methods to a variety of freshwater environments. Field trips. Laboratory (Sp, even-numbered years)  |
| BIOL    | 4493   | Ichthyology                              | Prerequisite: BIOL 1124, or BIOL 1114 and BIOL 1121; and BIOL 1134. Taxonomy, morphology, ecology and distribution of fishes, with emphasis on those of the region. Field trips. Some overnight trips. Laboratory. (Sp)   |
| BIOL    | 4553   | Wetlands Ecology                         | (Slashlisted with 5553) Prerequisite: Two college science courses that include a laboratory, one of which should be in biological sciences or permission of UOBS Director. Comprehensive field-based examination of wetland science and management. Biological, physical, chemical, and hydrological aspects of wetland ecosystem structure and function are explored through visits to several field sites. Major wetland types and resources are examined and the biogeochemical and ecological diversity of wetland waters, soils, vegetation, and fauna is investigated. No student may earn credit for both 4553 and 5553. Laboratory. (Su)  |
| BIOL    | 4573   | Conservation Genetics                    | Prerequisite: 3333 or permission of the instructor. This lecture/discussion course will examine the use of population genetic/ecological genetic principles in the study and management of populations of threatened and/or endangered species. No student may earn credit for both 4573 and 5573. (Sp)   |
| BIOL    | 4583   | Field Studies in Biological Conservation | Prerequisite: Two college science courses that include a laboratory, one of which should be in biological sciences, or permission of director. Introduce students to complex conservation issues with selected readings and field trips. A large portion of time will be spent outdoors, seeing Oklahoma's diverse ecoregions and associated conservation issues. Taught at the OU Biological Station. (Su)   |

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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| BIOL    | 4623   | Animal Nutrition                      | Prerequisite: 8 hours of Biological Sciences. Animal Nutrition is an exploration of how nutrients are acquired and used by different animals through the breakdown and absorption of various food items. The course compares and contrasts the digestion strategies of monogastrics, ruminants, and hind gut fermentors. Lecture will also explore the impact of current feeding techniques on economics, the environment and ultimately human health. (Su)   |
| BIOL    | 4653   | Parasitology                          | Prerequisite: BIOL 1124, or BIOL 1114 and BIOL 1121; and BIOL 1134. Parasitology is an introduction to the biological relationships known as parasitism. Although there are many different types of parasites, this course will focus on primarily protozoan and helminthes parasites that cause disease in humans and domestic animals. Field trips. Laboratory (Sp odd-numbered years)  |
| BIOL    | 4663   | Advanced Limnology                    | Prerequisite: 4423 or 5423, or 4463 and 4471, or permission of instructor. May be repeated with change of content; maximum credit 6 hours. Detailed study of fundamental or contemporary topics within limnology, such as biogeochemistry, nutrient cycling, ecological stoichiometry, biodiversity, and predatory-prey and food-web dynamics in aquatic communities. No student may earn credit for both 4663 and 5663 on the same topic. (Sp)   |
| BIOL    | 4753   | Molecular Evolution and Phylogenetics | (Slashlisted with 5753) Prerequisite: BIOL 2013 or BIOL 3333 or permission of instructor. Theory and practice of inferring evolutionary history from molecular and morphological data. Applications of the phylogenetic approach in systematics, comparative biology, molecular evolution, and genomics will be covered. No student may earn credit for both 4753 and 5753. (F even-numbered years)   |
| BIOL    | 4813   | Hormones and Behavior                 | (Slashlisted with 5813) Prerequisite: 3083 or 3103 or permission of instructor. The relationship between hormones and behavior from an evolutionary perspective. Focus on reproductive and social behavior, with coverage of biological rhythms, food and water intake, and learning. No student may earn credit for both 4813 and 5813. (F)  |
| BIOL    | 4833   | Neurobiology                          | (Slashlisted with 5833) Prerequisite: permission of instructor. Advanced examination of cellular and behavioral neurobiology. Topics covered will include membrane biophysics, cellular neurobiology, neurophysiology, neuroanatomy, sensory processing, movement, and neurobiology of behavior. No student may earn credit for both 4833 and 5833. (F)   |
| BIOL    | 4843   | Molecular Biology                     | (Crosslisted with P BIO and M BIO 4843; Slashlisted with 5843) Prerequisite: BIOL 1114, or BIOL 1124, or BIOL 1134, or Plant Biology 1114, or Microbiology 3813 and Microbiology 3812, and one course in organic chemistry. Introduction to the characteristics and biological functions of nucleic acids and proteins in living cells with emphasis on nucleic acid replication, transcription, translation and regulation; also emphasis on the molecular aspects of microbial genetics transformation, transduction and conjugation; and emphasis on molecular immunology and genetic engineering/recombinant DNA technology. No student may earn credit for both 4843 and 5843. (F, Sp) |
| BIOL    | 4853   | Neurobiology of Memory                | (Crosslisted with PSY 4853) Prerequisite: 3103 or Psychology 3073. Advanced seminar dealing with current research on how the nervous system responds to, and is changed by, experience. Experience is broadly defined and may include learning, maturation and/or pathology.  |
| BIOL    | 4863   | Neural Control of Movement            | (Slashlisted with 5863) Prerequisite: BIOL 3103, or BIOL 3113, or BIOL 3833, or BIOL 4833, or BIOL 5833, or permission of instructor. Introduction to neural control of movement through reading and discussion of key original research articles from the 19th century to the present. Students lead discussions and write essays addressing a general question, utilizing data from the articles; students in 5863 write an additional essay. Topics include localization of function, sensory vs. central contributions, roles of single neurons, effects of neuromodulators, and motor learning. No student may earn credit for both 4863 and 5863. (Sp)                                |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| BIOL    | 4871   | Current Topics in Neurobiology                       | (Slashlisted with 5871) Prerequisite: BIOL 3833 or permission of instructor. May be repeated with change of content; maximum credit three hours. A seminar course designed to develop a student's abilities to interpret and critically evaluate research in cellular and behavioral neurobiology. Involves both public seminars and journal club style discussions of contemporary literature. No student may earn credit for both 4871 and 5871 on the same topic. (F, Sp) |
| BIOL    | 4893   | Behavioral Neurobiology                              | (Slashlisted with 5893) Prerequisite: BIOL 3103, or BIOL 3113, or BIOL 3833, or BIOL 4833, or BIOL 5833, or permission of instructor. Examines neurobiological mechanisms of natural animal behaviors (i.e. neuroethology), utilizing textbook and lectures as well as in-depth reading, discussion, and student presentation of original research articles. No student may earn credit for both 4893 and 5893. (F)  |
| BIOL    | 4913   | Quantitative Biology                                 | Prerequisite: BIOL 1124, or BIOL 1114 and BIOL 1121; and BIOL 1134; Permission of instructor required. Techniques for complex data analysis and experimental design. (F)   |
| BIOL    | 4933   | Introduction to Matlab Programming for Life Sciences | (Slashlisted with 5933) Prerequisite: permission of instructor. Introduce students to the foundational concepts and skills necessary to use Matlab programs for life science research. Topics include acquisition and processing of time-series and spatial data, experimental control, and visual display of data. No student may earn credit for 4933 and 5933. (Sp odd-numbered years)  |
| BIOL    | 4943   | Multivariate Analysis                                | (Slashlisted with 5943) Prerequisite: BIOL 4913 or permission of instructor. An introduction to the concepts and underpinnings of multivariate statistics used commonly in the life sciences. It includes sections on regression, central tendency, data reduction, cluster analyses, and ordination and treats both parametric and non-parametric approaches. No student may earn credit for both 4943 and 5943. (Sp)   |
| BIOL    | 4953   | BioWriting   | (Slashlisted with 5953; Crosslisted with MBIO/PBIO 4953) Prerequisite: permission of instructor. This course provides students engaged in research with the information and skills needed to effectively communicate as professional biologists. Students will learn to report the results of their own research in the format of a journal article, conference-style presentation, and poster. No student may earn credit for 4953 and 5953 (Irreg.)                        |
| BIOL    | 4960   | Directed Readings                                    | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| BIOL    | 4961   | Undergraduate Seminar                                | Prerequisite: Senior standing in Zoology/Biology or permission of department. May be repeated; maximum credit two hours. Survey of current research programs in environmental biology, cell biology, physiology, animal behavior and other fields presented in weekly public seminars by visiting and local experts in biology. (F, Sp)  |
| BIOL    | 4970   | Special Topics in Biology                            | 1 to 3 hours. Prerequisite: permission of instructor and department. May be repeated with change of content; maximum credit nine hours. Seminar or special topic course; may include laboratory or field work. No student may earn credit for 4970 and 5970 on the same topic. (F, Sp, Su)   |
| BIOL    | 4983   | Senior Seminar                                       | Prerequisite: ZOO/BIOL major with senior standing, or permission. An interdisciplinary approach will be used to synthesize ideas from the major fields of zoology. Readings and discussion will focus on contemporary social, ethical and economic issues. (F, Sp) [V]   |
| BIOL    | 4990   | Independent Study                                    | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |

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| Subject | Number | Title                         | Course Description  |
|---------|--------|-------------------------------|---|
| BIOL    | 5013   | Insect Ecology                | (Slashlisted with 4013) Prerequisite: graduate standing and two college science courses that include a laboratory, one of which should be in biological sciences or permission of UOBS Director. A study of insect biodiversity in southern Oklahoma with emphasis on classification, natural history, relationship of insects to their habitats, and methods of collection. Topics will include characteristics of the major insect orders and families, insect natural history, morphological and physiological adaptations, and behavior and plant-insect interactions. No student may earn credit for both 4013 and 5013. Laboratory. (Su)  |
| BIOL    | 5023   | Field Mammalogy               | (Slashlisted with 4023) Prerequisite: graduate standing and two college science courses that include a laboratory, one of which should be in biological sciences or permission of UOBS Director. Study of mammals with emphasis on principle of mammalian ecology, conservation, biodiversity, techniques of field study, and methods of collection and preservation. Topics include characteristics of mammals, classification, natural history, ecology, biodiversity, conservation, and techniques in field study. Emphasis is given to mammals of southern Oklahoma and northern Texas. No student may earn credit for both 4023 and 5023. Laboratory. (Su)                         |
| BIOL    | 5063   | Field Herpetology             | (Slashlisted with 4063) Prerequisite: graduate standing and two college science courses that include a laboratory, one of which should be in biological sciences or permission of UOBS Director. Overview of methods, techniques, and standards for the collection, management, and analysis of herpetological field data for various applications. Includes collection of amphibians and reptiles, and diagnostic (morphological, ecological, and behavioral) characteristics of species. Students design and complete individual projects that address current issues in biology and conservation in herpetology. No student may earn credit for both 4063 and 5063. Laboratory. (Su) |
| BIOL    | 5093   | Evolutionary Biology          | Prerequisite: graduate standing, or ZOO/BIOL 2013 or permission of instructor. Study of ecological forces important in evolutionary change in plants and animals. Evolution of sex, breeding systems, life history, speciation, coevolution of animal/plant interactions. (F even-numbered years)   |
| BIOL    | 5113   | Cellular Pathology            | (Slashlisted with 4113) Prerequisite: 3113 or permission of instructor. The course focus is on the molecular and cellular bases of disease and alterations in cellular process that lead to the development of various pathological conditions. Topics include symptoms of cellular disease, pathology of organelles, cell injury, cell death, immunopathology, neoplasia and genetic disorders. No student may earn credit for both 4113 and 5113. (F)   |
| BIOL    | 5153   | Endocrine Physiology          | (Slashlisted with 4153) Prerequisite: 3103; 3113 strongly recommended. The major emphasis of the course is how hormones work at the molecular, cellular, and physiological levels. The course examines the molecular biology of hormonal mechanisms and the integration of those mechanisms to maintain crucial homeostatic control systems. Hormones and their receptors are considered in terms of chemistry, biosynthesis, and mechanisms of action. The course focuses primarily on vertebrate hormones. No student may earn credit for both 4153 and 5153. (Sp)  |
| BIOL    | 5172   | Cellular-Molecular Techniques | Prerequisite: ZOO/BIOL 3113 or graduate standing or permission of instructor. A hands-on introduction to molecular techniques used in modern cell/molecular laboratories and discussed in cell biology courses. No student may earn credit for both 4172 and 5172. (Sp)   |
| BIOL    | 5193   | Life History                  | Prerequisite: graduate standing or permission of instructor. Overview of theory and empirical studies of life history evolution. Includes lecture, discussion of the primary literature, and analysis of some basic life history problems. No student may earn credit for both 4193 and 5193. (Sp, Odd-numbered years)  |
| BIOL    | 5204   | Vertebrate Paleobiology       | (Slashlisted with 4204) Prerequisite: graduate standing and permission of instructor. Systematics, relationships, zoogeography and evolutionary morphology of the major groups of vertebrates. Field trips. No student may earn credit for both 4204 and 5204. Laboratory (Sp odd-numbered years)   |

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| Subject | Number | Title                             | Course Description  |
|---------|--------|-----------------------------------|---|
| BIOL    | 5223   | Cellular & Molecular Neurobiology | (Slashlisted with 4223) Prerequisites: ZOO/BIOL 3103, ZOO/BIOL 3113, ZOO/BIOL 3203, or ZOO/BIOL 3333, or permission of instructor. Introduction to cellular and molecular neurobiology through reading and discussion of landmark research papers in five current areas of research. Emphasis will be on understanding modern cellular and molecular research methods and on critical interpretation of scientific data. No student may earn credit for both 4223 and 5223. (Sp).   |
| BIOL    | 5233   | Neurobiology of Disease           | Prerequisite: ZOO/BIOL 4833 (preferred), or ZOO/BIOL 3113 and ZOO/BIOL 3333, or ZOO/BIOL 2124 or ZOO/BIOL 3103; or permission of the instructor. Cellular and molecular mechanisms underlying both normal neuronal function and neuronal disorders. Includes a review of basic concepts in neuroscience through traditional lectures, and reading and discussion of original research articles. Students are required to give oral presentations, write critiques and term papers, and present research posters. No student may earn credit for both 4233 and 5233. (F) |
| BIOL    | 5253   | Evolution of Development          | (Slashlisted with 4253) Prerequisite: permission of the instructor. Introduction to evolutionary developmental biology (EVO DEVO), study of the developmental basis of evolutionary changes and how developmental mechanisms and developmentally important genes evolve. Latest techniques and methods in evolutionary biology, embryology, developmental biology, molecular genetics, population biology, phylogenetics and genomics. No student may earn credit for both 4253 and 5253. (Sp-odd numbered years)   |
| BIOL    | 5333   | Ecological Genetics               | Prerequisite: 3333 required; 3013 recommended. History of population and ecological genetics; genetic systems; emphasis on experimental aspects of population genetics and measurement of selection and levels of genetic variation in different ecological situations; development of quantitative characters; genetic load; drift; enzyme variation; chromosome variation. (Irreg.)   |
| BIOL    | 5343   | Developmental Genetics            | Prerequisite: 3333. Covers the regulatory control of development in simple viral and bacterial operons, but emphasizes eukaryotic development and genetic organization. Topics will include DNA and chromosome structure, intron processing, nuclear-cytoplasmic interaction, pattern formation and aging. (Sp)   |
| BIOL    | 5353   | Molecular Tech-Field Biology      | (Slashlisted with 4353) Prerequisite: permission of instructor. Selected protocols and data interpretation using molecular techniques to study protein and DNA variation in natural populations and the application of molecular techniques to research problems in ecology, systematics, animal behavior, conservation biology, and related areas. Graduate students enrolled in 5353 will have additional project expectations and written work. Taught at the OU Biological Station. No student may earn credit for both 4353 and 5353. Field trips. Laboratory (Su) |
| BIOL    | 5364   | Transmission Electron Microscopy  | (Crosslisted with P BIO and M BIO 5364) Prerequisite: permission of instructor. Introduction to the theory of transmission electron microscopy and practical instruction in specimen preparation, ultramicrotomy, instrument operation, photography and quantitative methods. Laboratory. (F)   |
| BIOL    | 5374   | Scanning Electron Microscopy      | (Crosslisted with P BIO and M BIO 5374) Prerequisite: basic chemistry; basic physics; demonstrated need; permission of instructor. Principles of scanning electron microscopy are combined with training in the operation of the SEM and ancillary equipment. Students will be certified in the operation of all equipment. Sample preparation on a variety of samples and darkroom procedures will be performed. Independent project with oral report and poster required. Laboratory (Irreg.)   |
| BIOL    | 5383   | Functional Genomics               | (Slashlisted with 4383) Prerequisite: permission of the instructor. Introduction to how to study the functions (broadly including biochemical activity, cell biological function or organismal function) of all the genes in a genome. Latest techniques and methods in genetics, molecular biology, microarrays, proteomics and computation biology. No student may earn credit for both 4383 and 5383. (F)  |

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| Subject | Number | Title                                      | Course Description   |
|---------|--------|--|--|
| BIOL    | 5394   | Advanced Light Microscopy                  | (Crosslisted with MBIO 5394 and PBIO 5394, Slashlisted with 4394) Prerequisite: permission of instructor and graduate standing. Focuses on theory and techniques in light microscopy covering principles including confocal laser scanning microscopy, multiple photon imaging, FLIM/FCS, FRET, fluorescence microscopy, phase contrast, DIC, 3D rendering, and other advanced optical technologies. Also includes a lab section where students will learn to use advanced epifluorescence and confocal microscopes. No student may earn credit for both 4394 and 5394. (F)                                    |
| BIOL    | 5403   | Population Ecology                         | Prerequisite: graduate standing. History, demography, environmental factors, density-dependent factors, genetics and population ecology, theories of population and community organization (ideas of Elton, Williams, Preston, MacArthur, Smith, Hairston, and Slodobodkin). No laboratory. (Sp even-numbered years)   |
| BIOL    | 5413   | Community Ecology                          | Prerequisite: 3403 and Mathematics 1743 or 1823, or permission. Theoretical and empirical study of the structure and organization of natural communities. Topics include competition, predation, disturbance, abiotic gradients, species equilibria.   |
| BIOL    | 5423   | Stream Ecology                             | Prerequisite: graduate standing or permission of instructor. A combined lecture/laboratory course that focuses on the physical, chemical, and biological features of stream ecosystems, including current theories explaining species interactions and stream function. Course requirements/evaluation including a midterm and final examination, individual research papers and presentations, participation in group laboratory and field experiments, and reading and discussing the primary literature. No student may earn credit for both 4423 and 5423. Field trips. Laboratory. (F-odd numbered years) |
| BIOL    | 5433   | Freshwater Fish Ecology                    | (Slashlisted with 4433) Prerequisite: Two college science courses that include a laboratory, one of which should be in biological sciences or permission of UOBS Director. Ecology of freshwater fish with emphasis on hands-on learning and study of fish in their natural settings. Topics include ecology of fish populations and communities, trophic structure and food webs, and field sampling and censusing techniques in streams and lakes. No student may earn credit for both 4433 and 5433. (Su)   |
| BIOL    | 5443   | Physiological Ecology                      | Prerequisite: 12 hours of biology, including a course in physiology and in ecology, or permission. A study of the physiological adjustments made by animals to changes in their external environment. (Sp)   |
| BIOL    | 5453   | Advanced Ecology/Evolutionary Biology      | (Crosslisted with PBIO and MBIO 5453) Prerequisite: ZOO/BIOL 3403. Required for students in the ecology and evolutionary biology doctoral program. An introduction to current research opportunities and research programs in ecology and evolutionary biology at the University of Oklahoma. Specific topics and lecturers will vary from week to week to give students a broad overview of ongoing research projects. (F)  |
| BIOL    | 5462   | Molecular Methods in Ecology and Evolution | Prerequisite: graduate standing and permission of instructor. Laboratory-based course designed to develop skills commonly used in molecular population genetics, ecology and systematics. Emphasis will be on DNA-based methods such as PCR, DNA sequencing, and microsatellite DNA procedures. Theoretical, physical and biochemical bases of methods will be stressed. Appropriate applications of methods and basic data analysis will also be covered. Laboratory (F - even years)   |
| BIOL    | 5471   | Seminar-Ecology & Evolutionary Biology     | (Crosslisted with PBIO and MBIO 5471) Prerequisite: graduate standing. Two semesters of enrollment are required for students in the ecology and evolutionary biology doctoral program. An intensive, student-based seminar in which students present both proposals and ongoing progress reports on doctoral level research projects in ecology and evolutionary biology. (F, Sp)  |
| BIOL    | 5483   | Fish Ecology                               | Prerequisite: ZOO/BIOL 1124, or ZOO/BIOL 1114 and ZOO/BIOL 1121; and Biology 1134, or permission of instructor. Emphasizes fundamental ecology of freshwater and marine fishes worldwide. Focus will be on the historical literature and development of fish ecology, as well as modern comparative and experimental approaches in distributional ecology, fish community structure/function, abiotic and biotic interactions affecting fishes, and direct and indirect effects of fishes in ecosystems. (F odd-numbered years)  |

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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| BIOL    | 5494   | Biology of Fishes                     | Prerequisite: ZOO 4463 or permission of instructor. Natural history and ecology of freshwater fishes. Field trips. Laboratory (F odd-numbered years)  |
| BIOL    | 5503   | Introduction to Fish Culture          | Prerequisite: ZOO/BIOL 4463 or permission of instructor. Principles of warm water fish culture, practical culture and field trips. Laboratory. (F even-numbered years)  |
| BIOL    | 5553   | Wetlands Ecology                      | (Slashlisted with 4553) Prerequisite: graduate standing and two college science courses that include a laboratory, one of which should be in biological sciences or permission of UOBS Director. Comprehensive field-based examination of wetland science and management. Biological, physical, chemical, and hydrological aspects of wetland ecosystem structure and function are explored through visits to several field sites. Major wetland types and resources are examined and the biogeochemical and ecological diversity of wetland waters, soils, vegetation, and fauna is investigated. No student may earn credit for both 4553 and 5553. Laboratory. (Su)                                    |
| BIOL    | 5563   | Biological Conservation               | (Slashlisted with 4563) Prerequisite: permission of instructor. The human economy currently entrains more than 40% of global net primary production. This human demand for energy and the effluent subsequently produced have pervasive effects on natural systems and human welfare. This course uses primary literature to guide discussion of ecological, legal, and societal issues affecting biodiversity in North America and globally. Topics range from organism centered approaches to conservation to broader implications of alterations of global processes such as elemental cycles and atmospheric temperatures. No student may earn credit for both 4563 and 5563. (F-even numbered years) |
| BIOL    | 5573   | Conservation Genetics                 | Prerequisite: 3333 or permission of the instructor. This lecture/discussion course will examine the use of population genetic/ecological genetic principles in the study and management of populations of threatened and/or endangered species. No student may earn credit for both 4573 and 5573. (Sp)   |
| BIOL    | 5663   | Advanced Limnology                    | Prerequisite: 4423 or 5423, or 4463 and 4471, or permission of instructor. May be repeated with change of content; maximum credit 6 hours. Detailed study of fundamental or contemporary topics within limnology, such as biogeochemistry, nutrient cycling, ecological stoichiometry, biodiversity, and predator-prey and food-web dynamics in aquatic communities. No student may earn credit for both 4663 and 5663 on the same topic. (Sp)  |
| BIOL    | 5693   | Fishery Management                    | Prerequisite: 4462, 5494 or permission of instructor. Relationship of ecological principals to the management of fisheries. Influence of physico-chemical factors in the environment will be emphasized. A combination of field and laboratory exercises will relate basic fishery biology techniques to applications in management. (F, odd years)   |
| BIOL    | 5753   | Molecular Evolution and Phylogenetics | (Slashlisted with 4753) Prerequisite: BIOL 2013 or BIOL 3333 or permission of instructor and graduate standing. Theory and practice of inferring evolutionary history from molecular and morphological data. Applications of the phylogenetic approach in systematics, comparative biology, molecular evolution, and genomics will be covered. No student may earn credit for both 4753 and 5753. (F - even-numbered years)   |
| BIOL    | 5813   | Hormones and Behavior                 | (Slashlisted with 4813) Prerequisite: 3083 or 3103 or permission of instructor. The relationship between hormones and behavior from an evolutionary perspective. Focus on reproductive and social behavior, with coverage of biological rhythms, food and water intake, and learning. No student may earn credit for both 4813 and 5813. (F)  |
| BIOL    | 5833   | Neurobiology                          | Prerequisite: graduate standing or permission of instructor. Advanced examination of cellular and behavioral neurobiology. Topics covered will include membrane biophysics, cellular neurobiology, neurophysiology, neuroanatomy, sensory processing, movement, and neurobiology of behavior. No student may earn credit for both 4833 and 5833. (F)  |



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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| BIOL    | 5843   | Molecular Biology                                    | (Crosslisted with PBIO and MBIO 5843; Slashlisted with 4843) Prerequisite: graduate standing or permission of instructor. Introduction to the characteristics and biological functions of nucleic acids and proteins in living cells with emphasis on nucleic acid replication, transcription, translation and regulation; also emphasis on the molecular aspects of microbial genetics transformation, transduction and conjugation; and emphasis on molecular immunology and genetic engineering/recombinant DNA technology. No student may earn credit for both 4843 and 5843. (F, Sp)  |
| BIOL    | 5863   | Neural Control of Movement                           | (Slashlisted with 4863) Prerequisite: ZOO/BIOL 3103 or ZOO/BIOL 3113 or ZOO/BIOL 4833/5833 or permission of instructor. Introduction to neural control of movement through reading and discussion of key original research articles from the 19th century to the present. Students lead discussions and write essays addressing a general question, utilizing data from the articles; students in 5863 write an additional essay. Topics include localization of function, sensory vs. central contributions, roles of single neurons, effects of neuromodulators, and motor learning. No student may earn credit for both 4853 and 5863. (Sp)   |
| BIOL    | 5871   | Current Topics in Neurobiology                       | (Slashlisted with 4871) Prerequisite: Permission of the instructor. May be repeated; maximum credit three hours. A seminar course designed to develop a student's abilities to interpret and critically evaluate research in cellular and behavioral neurobiology. Involves both public seminars and journal club style discussions of contemporary literature. No student may earn credit for both 4871 and 5871 concurrently. (F, Sp)  |
| BIOL    | 5893   | Behavioral Neurobiology                              | Prerequisite: ZOO/BIOL 3103 or ZOO/BIOL 3113, or ZOO/BIOL 4833/5833 or permission of instructor. Examines neurobiological mechanisms of natural animal behaviors (i.e., neuroethology), utilizing textbook and lectures as well as in-depth reading, discussion, and student presentation of original research articles. No student may earn credit for both 4893 and 5893. (F)  |
| BIOL    | 5903   | Bioinformatics: Applications                         | Prerequisites: Plant Biology/Biology/Botany/Zoology 3333 or 3113, or Plant Biology/Botany/Microbiology/Biology/Zoology 4843/5843, or Microbiology 3813, or Chemistry 3653 or 5853, or equivalent and basic statistics (Psychology 2003 or 2113, or Zoology/Biology 2913, or Biostatistics and Epidemiology 5163, or equivalent) and permission of instructor. This course is designed to provide an understanding of theory and application of computational methods for molecular biology research. The course will cover the following topics: Linux basics, genome sequencing and databases, sequence alignment, database searching for similar sequences, gene analysis, protein analysis, genome analysis, phylogenetic prediction, and a brief introduction to PERL programming. (F) |
| BIOL    | 5913   | Bioinformatics: Programming                          | Prerequisites: 5903 and permission of instructor. This course is designed to provide programming skills needed to perform large-scale genomic analysis in research and professional settings. The PERL programming language will be taught by introducing features of the PERL programming language in the context of and with applications to bioinformatics. (Sp)  |
| BIOL    | 5923   | Programming in R for Biology                         | Prerequisite: graduate standing or permission of instructor. R is a data analysis and graphics platform that has become increasingly popular in the sciences because of its power and versatility. This course provides an introduction to programming using R for applications in the biological sciences, with an emphasis on implementation. (F)  |
| BIOL    | 5933   | Introduction to Matlab Programming for Life Sciences | (Slashlisted with 4933) Prerequisite: graduate standing or permission of instructor. Introduces the foundational concepts and skills necessary to use Matlab programs for life science research. Topics include acquisition and processing of time-series and spatial data, experimental control, and visual display of data. No student may earn credit for both 4933 and 5933. (Sp odd-numbered years)   |

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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| BIOL    | 5943   | Multivariate Analysis                 | (Slashlisted with 4943) Prerequisite: BIOL 4913 or permission of instructor. Introduces the concepts and underpinnings of multivariate statistics used commonly in the life sciences. The following topics will be included: regression, central tendency, data reduction, cluster analyses, and ordination and treats both parametric and non-parametric approaches. No student may earn credit for both 4943 and 5943. (Sp)   |
| BIOL    | 5953   | BioWriting                            | (Slashlisted with 4953; Crosslisted with MBIO/PBIO 5953) Prerequisite: permission of instructor. This course provides students engaged in research with the information and skills needed to effectively communicate as professional biologists. Students will learn to report the results of their own research in the format of a journal article, conference-style presentation, and poster. Graduate students have additional assignments beyond those completed by undergraduates. No student may earn credit for both 4953 and 5953. (Irreg.) |
| BIOL    | 5960   | Directed Readings                     | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| BIOL    | 5970   | Special Topics in Biology             | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated with change of topic; maximum credit 12 hours. Special topics course; may include laboratory or field work. No student may earn credit for 4970 and 5970 on the same topic. (F, Sp, Su)   |
| BIOL    | 5980   | Research for Master's Thesis          | Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. Laboratory (F, Sp, Su)  |
| BIOL    | 5990   | Independent Study                     | 1 to 6 hours. Prerequisite: permission. May be repeated in different fields; maximum credit 12 hours. Directed readings. Written report required. No laboratory. (F, Sp, Su)  |
| BIOL    | 5999   | Graduate Level Transfer Credit        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| BIOL    | 6003   | Ecological Modeling                   | (Crosslisted with PBIO and MBIO 6003) Prerequisite: one computer course, one course in ecology, or permission of instructor. Trains students to use modeling tools in their research and to gain greater ability to understand, appreciate, and criticize modeling work. Students will learn general procedure and principles with case studies of successful models in ecology and participate in course projects to gain hands-on experience in model development. (Irreg.)   |
| BIOL    | 6011   | Professional Aspects of Biology       | Prerequisite: graduate standing in biological sciences or permission of instructor. May be repeated with change of content; maximum credit 3 hours. Seminar-style discussion of varied topics for professional development of biologists. Sample topics include scientific writing, the process of publication, writing research grant proposals, preparing effective presentations, and professional job placement. (Irreg.)   |
| BIOL    | 6012   | Professional Aspects of Biology       | Prerequisite: graduate standing in biological sciences. Scientific writing, the process of publication, literature retrieval and bibliographical procedures, research grant proposals, professional job placement, scientific organization, university and college organization and government, scientific photography and illustrations, social responsibilities and professional ethics for the biologist. (F)  |
| BIOL    | 6083   | Evolution of Social Behavior          | Prerequisite: 3083 and permission of instructor. History of sociobiological concepts; relationships of ecology, ethology, and evolution. (F even-numbered years)  |
| BIOL    | 6213   | Developmental Behavioral Neuroscience | Prerequisite: graduate standing or permission of instructor. Discussion of specific developmental issues from both the behavioral and neurobiological perspectives of analysis. Can not be taken for credit if 4213 has been previously taken. (Irreg.)   |
| BIOL    | 6960   | Directed Readings                     | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| BIOL    | 6970   | Seminar                               | 1 to 4 hours. Prerequisite: graduate standing and permission of instructor. May be repeated; maximum credit 12 hours; no more than six hours may be in any one field. No laboratory. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| BIOL    | 6980   | Research Doctoral Dissertation                  | (F, Sp, Su)   |
| BIOL    | 6990   | Independent Study                               | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| BME     | 1999   | Lower Division Transfer Credit                  | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| BME     | 2333   | Biomedical Engineering Fundamentals             | Prerequisite: Majors only; MATH 1914 or 1823; MATH 2924 or 2423; CHEM 1315; CHEM 1415; and PHYS 2514 all with a grade of B or better. Introduction to material, energy, charge, and momentum balances in biological systems. Steady state and transient conservation equations for mass, energy, charge, and momentum will be derived and applied using basic mathematical principles, physical laws, stoichiometry, and thermodynamic properties. (F)  |
| BME     | 2433   | Circuits and Systems for Biomedical Engineering | Prerequisite: BME 2333. Students learn circuits and linear systems concepts necessary for analysis and design of biomedical systems. Theory is motivated by examples from biomedical engineering. Topics covered include electrical circuit fundamentals, operational amplifiers, frequency response, electrical transients, impulse response, transfer functions, and convolution, all motivated by circuit and biomedical examples. Elements of continuous time domain-frequency domain analytical techniques are developed. (Sp) |
| BME     | 3111   | Bioimaging Lab                                  | Prerequisite: Completion or concurrent enrollment in BME 3113. Hands-on lab that teaches students technical skills associated with bioimaging. Lab components include hypothesis testing and analysis, computer simulation, lab safety and instrument training, and technical communication. (F, Sp)  |
| BME     | 3113   | Bioimaging                                      | Prerequisite: BME 2333; BME 2433; PHYS 2524 and MATH 3113. Introduction to medical imaging techniques such as x-ray, computed tomography, magnetic resonance, and ultrasound. (F, Sp)   |
| BME     | 3121   | Biotransport Lab                                | Prerequisite: Completion or concurrent enrollment in BME 3123. Hands-on lab that teaches students technical skills associated with biotransport. Lab components include hypothesis testing and analysis, computer simulation, lab safety and instrument training, and technical communication. (F, Sp)  |
| BME     | 3123   | Biotransport                                    | Prerequisite: BME 2333; PHYS 2524 and MATH 3113. Covers key transport concepts in biomedical engineering. Emphasis is put on mass and momentum transport with applications related to biology, medical science and biotechnology. (F, Sp)   |
| BME     | 3131   | Bioelectricity Lab                              | Prerequisite: Completion or concurrent enrollment in BME 3133. Hands-on lab that teaches students technical skills associated with electrophysiology. Lab components include hypothesis testing and analysis, computer simulation, lab safety and instrument training, and technical communication. (F, Sp)   |
| BME     | 3133   | Bioelectricity                                  | Prerequisite: BME 2333; 2433; PHYS 2524 and MATH 3113. The electrophysiology of excitable cells from a quantitative perspective. Topics include the ionic basis of action potentials, quantitative models for nerve and muscle including the Hodgkin-Huxley equations, impulse propagation, synaptic dynamics, source-field relationships, and an introduction to functional electrical stimulation. (F, Sp)  |
| BME     | 3141   | Biomechanics Lab                                | Prerequisite: Completion or concurrent enrollment in BME 3143. Hands-on lab that teaches students technical skills associated with biomechanics. Lab components include hypothesis testing and analysis, computer simulation, lab safety and instrument training, and technical communication. (F, Sp)  |
| BME     | 3143   | Biomechanics                                    | Prerequisite: BME 2333; PHYS 2524 and MATH 3113. Mechanical characterization of biological tissues at the cellular, organ, and system level; exploration of biomechanical factors of physiological and pathological conditions. (F, Sp)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| BME     | 3151   | Molecular, Cellular and Tissue Engineering Lab | Prerequisite: Completion or concurrent enrollment in BME 3153. Hands-on lab that teaches students technical skills associated with molecular, cell, and tissue engineering. Lab components include hypothesis testing and analysis, computer simulation, lab safety and instrument training, and technical communication. (F, Sp)   |
| BME     | 3153   | Molecular, Cellular and Tissue Engineering     | Prerequisite: BME 2333; CHEM 3653 and MATH 3113. Application of engineering methods to study, measure, repair, or replace biological functions at the molecular, cellular, or tissue-level length scales. (F, Sp)   |
| BME     | 3161   | Biomedical Micro-/Nano-Technology Lab          | Prerequisite: Completion or concurrent enrollment in BME 3163. Hands-on lab that teaches students technical skills associated with BME micro/nanotechnology. Lab components include hypothesis testing and analysis, computer simulation, lab safety and instrument training, and technical communication. (F, Sp)  |
| BME     | 3163   | Biomedical Micro-/Nano-Technology              | Prerequisite: BME 2333; PHYS 2524; MATH 3113 and concurrent enrollment in 3233. Introduction to micro/nanotechnology in biomedical settings, including micro/nanotechnologies used to investigate biological systems, physiological responses to nanotherapeutics, and first principles of microfluidics and microfabrication. (F, Sp)  |
| BME     | 3233   | Biomaterials                                   | Prerequisite: PHYS 2524; CHEM 3653, and junior or senior standing in the college of Engineering or permission of instructor. Introduction to materials used in biomedical environment, the design and use of implantable materials, such as metals, polyethylene, ceramics, and composites, biocompatibility, test methods, and tissue growth on biomaterials. (F)  |
| BME     | 3440   | Mentored Research Experience                   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| BME     | 3533   | Biomedical Instrumentation                     | Prerequisite: BME 2433. Measurement and analysis of biopotentials and biomedical transducer characteristics; electrical safety applications of FET's; integrated circuits, operational amplifiers for signal processing and computer interfacing; signal analysis and display on the laboratory minicomputer. (Sp)  |
| BME     | 3722   | Numerical Methods in Biomedical Engineering    | Prerequisite: C S 1313, and MATH 3113. Introduces principles and techniques of numerical analysis of biomedical engineering problems. Covers numerical methods of integration, differentiation, interpolation, curve fitting, data analysis, sampling and estimation, error analysis, analysis of ordinary differential equations, numerical modeling of biomedical engineering systems, symbolic computation, and scientific visualization. (F)                              |
| BME     | 3823   | Quantitative Physiology                        | Prerequisite: BME 3722. Introduces students to the mathematical and numerical techniques used to develop, solve, and analyze quantitative models of physiology systems. (Sp)  |
| BME     | 3980   | Honors Research                                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit 6 hours. Selected students work with individual faculty members on research problems in biomedical engineering. (F, Sp, Su)  |
| BME     | 3999   | Upper Division Transfer Credit                 | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| BME     | 4713   | Biomedical Engineering Design I                | Prerequisite: Senior standing in the BS in BME curriculum. Structured methodologies for designing systems or to interface with living systems. Creative design, analysis, selection, development, and fabrication of biomedical components and systems. (F)   |
| BME     | 4823   | Biomedical Engineering Design II               | Prerequisite: BME 4713. Development of team projects in biomedical engineering with emphasis on prototype development and quantitative analysis, and written and oral reporting of the outcome. Capstone. (Sp)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| BME     | 5203   | Bioengineering Principles                         | (Crosslisted with AME 5203 and CH E 5203) Prerequisite: MATH 3113 and PHYS 2524. Principles of bioengineering for the areas of the biomechanics of solids and fluids, mass transfer, biomaterials, electrical networks, imaging, and ionizing radiation as they apply to the human body. (F)  |
| BME     | 5213   | Biomechanics I                                    | (Crosslisted with AME 5213) Prerequisite: AME 3143 and AME 3153 or permission of instructor. Introduction to physiological systems with emphasis on structure and function of tissues and organs; application of continuum mechanics to understanding of tissue and organ behavior at microscopic and macroscopic levels; viscoelastic behavior at microscopic and macroscopic levels; viscoelastic and solid biomaterials. (F)       |
| BME     | 5223   | Biomechanics II                                   | (Crosslisted with AME 5223) Prerequisite: AME 3143 and AME 3153 or permission of instructor. Biofluid mechanics; non-Newtonian behavior of blood and body fluids; basic mechanical properties of muscle, bone, cartilage, and other living tissues; application of continuum mechanics to circulation; growth and change of living organs in response to stress and strain. (Sp)  |
| BME     | 5233   | Biomaterials                                      | (Crosslisted with AME 5233) Prerequisite: junior or senior standing in the college of Engineering or permission of instructor. Introduction to materials used in biomedical environment, the design and use of implantable materials, such as metals, polyethylene, ceramics, and composites, biocompatibility, test methods, and tissue growth on biomaterials. (Sp)   |
| BME     | 5243   | Biochemical Engineering                           | Prerequisite: CH E 3123 or permission of instructor. Current bioprocesses for reaction and separation with emphasis on fundamental principles of chemical engineering, biochemistry, and microbiology. (Sp)   |
| BME     | 5293   | Transport in Biological Systems                   | (Crosslisted with AME 5293 and CH E 5293) Prerequisite: CH E 3123 or permission of instructor. Theoretical and practical aspects of transport phenomena in living organisms and biomedical technologies. Applications include hemorheology, drug delivery, extracorporeal circulation and artificial organs. (Irreg.)   |
| BME     | 5373   | Tissue Engineering                                | Prerequisite: graduate standing or permission of instructor. Examines the background and recent advances in the science of combining multiple cell types with an appropriate support to provide a construct that can replace or support damaged tissue. (Irreg.)  |
| BME     | 5393   | Introduction to Computer-Aided Tissue Engineering | Prerequisite: graduate standing or permission of instructor. Designed for graduate and senior undergraduate students in Engineering majors. Describes advanced computer-aided technology for medical implant design and tissue engineering applications. Topics include reverse engineering, biomodeling and layered manufacturing. Course content is delivered through lecture- and laboratory-based hands-on training. (Sp)         |
| BME     | 5693   | Cellular Aspects in Tissue Regeneration           | Prerequisite: graduate standing or permission of instructor. Introduce novel technological advancements utilizing cells in tissue regeneration. Issues covered in class include adult and embryonic stem cells, cell differentiation, cell culture, transplantation of engineered tissues and cells, ethical and FDA considerations. (Irreg.)   |
| BME     | 5703   | Biology for Engineers                             | Prerequisite: graduate standing or permission of instructor. Provides engineering students with an understanding of key biological concepts, where the interface between biology and engineering is broadened. Introduces engineers to the biological science by an integrated approach. (Irreg.)   |
| BME     | 5723   | Biosensors  | Prerequisite: graduate standing or permission of instructor. Introduction to the fundamental principles of biosensors within the medical field. Topics covered include electrochemical sensing potentiometric and amperometric biosensors, fiberoptic biosensors, immobilization of biorecognition molecules (enzymes, antibodies, receptor proteins), semiconductor electrodes and ion-selective electrodes. (Irreg.)                |
| BME     | 5853   | Biomedical Signals and Systems                    | (Crosslisted with ECE 5853) Prerequisites: ECE 3723 and ECE 3793, or equivalent course in electrical circuits and signal processing, or permission of instructor. Comprehensive coverage of topics related to signals in humans. Emphasis on using engineering tools to interpret signals and underlying physiological principles. Focus on emerging engineering technologies, physiological knowledge and clinical application. (Sp) |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| BME     | 5960   | Directed Readings                                | 1 to 3 hours. Prerequisite: graduate standing or permission of department. May be repeated; maximum credit six hours. Directed readings and/or literature reviews under the direction of a faculty member. (Irreg.)   |
| BME     | 5970   | Special Topics/Seminar                           | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| BME     | 5980   | Research for Master's Thesis                     | 1 to 6 hours. Prerequisite: graduate standing or permission by instructor. May be repeated; maximum credit toward degree six hours. (F, Sp, Su)   |
| BME     | 5990   | Independent Study                                | 1 to 3 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| BME     | 5999   | Graduate Level Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| BME     | 6960   | Directed Readings                                | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| BME     | 6970   | Advanced Topics in Bioengineering                | 1 to 6 hours. Prerequisite: graduate standing or instructor permission. May be repeated with change of topic; maximum credit towards degree six hours. Selected topics of current faculty research interest at the PhD level not covered by regularly scheduled courses. (Irreg.)   |
| BME     | 6980   | Research for Doctoral Dissertation               | Research for Doctoral Dissertation. (F, Sp, Su)   |
| BME     | 6990   | Independent Study                                | 1 to 3 hours. Prerequisite: graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| C D     | 1999   | Lower Division Transfer Credit                   | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| C D     | 3999   | Upper Division Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| C D     | 5999   | Graduate Level Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| C S     | 1213   | Programming for Non-Majors with Python           | Prerequisite: Mathematics 1503 or concurrent enrollment. Introduction to the design and implementation of computer programs in the language Python. We will cover data types, control flow, iterations, functions, and the use of external libraries for text processing, graphics, image manipulation, web programming and others. Emphasis on problem solving with examples drawn from diverse disciplines. (F, Sp) |
| C S     | 1303   | The Power and Elegance of Computational Thinking | Prerequisite: Math 1503 College Algebra. Introduction to computational thinking for students without a computer science background. Topics include using computing tools creatively, the role of abstraction, using data to gain insight, developing and expressing algorithms, programming and the impact of computing. (F, Sp) [I-O]  |
| C S     | 1313   | Programming for Non-Majors with C                | Prerequisite: MATH 1523 or concurrent enrollment. Introduction to the design and implementation of computer programs. Emphasis on problem solving. Topics include: variables and constants, arithmetic and Boolean expressions, conditional statements, loops, procedures and functions, arrays, standard libraries, input and output, structures, and program documentation. (F, Sp)                                 |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| C S     | 1321   | Java for Programmers                                     | Prerequisite: MATH 1523 or equivalent or concurrent enrollment or placement into MATH 1743 or MATH 1823 or higher and departmental permission. Introduction to computer programming using the Java programming language for students who are already proficient in another programming language. Topics include: variables and constants, arithmetic and Boolean expressions, conditional statements, repetition, methods, arrays, linear and binary search, basic sorting algorithms, object-oriented programming, documentation, and testing. (F, Sp)  |
| C S     | 1323   | Introduction to Computer Programming for Programmers     | Prerequisite: MATH 1523 or concurrent enrollment or placement into MATH 1743 or MATH 1823 or higher and department permission. Introduction to the design and implementation of computer software with an emphasis on abstraction and program organization for students with some prior programming experience. Topics include: variables and constants, arithmetic and Boolean expressions, conditional statements, repetition, methods, arrays, linear and binary search, basic sorting algorithms, object-oriented programming, documentation, and testing. (F, Sp)                               |
| C S     | 1324   | Introduction to Computer Programming for Non-Programmers | Prerequisite: Math 1523 or concurrent enrollment or placement into Math 1743 or Math 1823 or higher and departmental permission. Introduction to the design and implementation of computer software with an emphasis on abstraction and program organization for students with no prior programming experience. Topics include: variables and constants, arithmetic and Boolean expressions, conditional statements, repetition, methods, arrays, linear and binary search, basic sorting algorithms, object-oriented programming, documentation, and testing. (F, Sp)                               |
| C S     | 1999   | Lower Division Transfer Credit                           | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| C S     | 2281   | Engineering Co-Op Program                                | (Crosslisted with AME, CH E, CEES, ECE, ENGR, EPHY, G E, I E, P E 2281) Prerequisite: student participation in the program. The Co-Op program provides student placement in jobs outside the University, but in a position related to the student's major. On completion of a semester work period, the student submits a brief written report. One hour of credit (elective) granted for each work period, with a maximum credit of six hours. (F, Sp, Su)  |
| C S     | 2334   | Programming Structures and Abstractions                  | Prerequisite: C S 1323 and MATH 1523 or higher. The design and implementation of computer programs using disciplined methodologies. Use of several abstract data types. Software reuse through encapsulation, composition, aggregation, inheritance, polymorphism, and generics. Topics include recursion, GUI development, file processing, and unit testing. A program design tool will be used. Introduction to ethics in computer science, including philosophical ethics theories. Discussion of intellectual property rights and privacy. (F, Sp)  |
| C S     | 2413   | Data Structures  | Prerequisite: C S 2334 and MATH 1823 or 1914; and C S 2813 or MATH 2513, or concurrent enrollment in C S 2813 or MATH 2513. Representation, analysis and implementation of data structures and associated algorithms including: algorithm complexity, sorting algorithms, lists, stacks, queues, search trees (AVL, Red-Black, Splay, 2-3), Heaps, Graphs, and Hashing. Written communications required in some projects. Ethical issues and tools and techniques used in writing secure applications will also be discussed. The primary programming language is C++ with a debugging tool. (F, Sp) |
| C S     | 2603   | Applied Logic for Hardware and Software                  | Prerequisite: C S 1323 and MATH 1823 or MATH 1914 with a C or better. Applications of logic in the analysis of hardware and software components. Topics include propositional and predicate calculus, Boolean algebra, combinational and sequential circuits, number systems and circuits for arithmetic, sets, inductive definitions, proof techniques including natural deducton, equational reasoning and mathematical inducton. (F, Sp)  |
| C S     | 2614   | Computer Organization                                    | Prerequisite: CS 2334. An introduction to the architecture, organization and design of uniprocessor-based computer systems. Topics include processor, control and memory design and organization, pipelining and vector processing, computer arithmetic, I/O organization, and computer systems security. (F, Sp)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| C S     | 2813   | Discrete Structures                           | Prerequisite: C S 2334 and MATH 1823 or MATH 1914. Introduction to the theory of discrete structures useful in computer science. Topics include combinatorics, relations, functions, computational complexity, recurrences, and graph theory. (F, Sp)  |
| C S     | 2970   | Special Topics/Seminar                        | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.  |
| C S     | 3053   | Human Computer Interaction                    | Prerequisite: C S 2413, and C S 2813 or Mathematics 2513. An introduction to human-computer interaction and graphical user interfaces. Topics include principles of human-computer interaction, human perceptual and cognitive abilities, user interface analysis and design, window systems, and social implications of computing. Current user interface programming tools will be described and used. Oral presentations are required for some assignments. (Sp)  |
| C S     | 3113   | Introduction to Operating Systems             | Prerequisite: C S 2413 and C S 2813 or MATH 2513, and either C S 2614 or ECE 3223. An introduction to the major concepts and techniques of designing and implementing operating systems including: memory management, process management, information management, and computer security . Principles of performance evaluation. Class projects require the design and implementation of software systems. A UNIX family operating system will be used. (F)   |
| C S     | 3203   | Software Requirements and Specifications      | Prerequisite: C S 2413 and C S 2813 or MATH 2513. Students gain technical and professional skills by performing requirements engineering. Learn the tools, techniques, and methods for modeling software systems. Students practice written and oral communication skills and consider the impact of computing on individuals, organizations and society, and demonstrate their ability to engage in lifelong learning by gaining background in a domain outside of their own. (F)   |
| C S     | 3323   | Principles of Programming Languages           | Prerequisite: C S 2413, and C S 2813 or MATH 2513, and ENGL 3153 or BC 2813 or ENGR 2002 as a prerequisite or concurrent enrollment. An introduction to theoretical foundations and paradigms of programming languages. Topics include basic concepts such as lexical analysis, syntax analysis, type systems and semantics, some practical issues such as memory management and exception handling, and programming paradigms such as imperative programming, object-oriented programming, functional programming and scripting. (Sp)   |
| C S     | 3440   | Mentored Research Experience                  | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| C S     | 3723   | Numerical Methods for Engineering Computation | Prerequisites: 2413 and 2813 or Mathematics 2513 and Mathematics 3333 and Mathematics 3113 or Mathematics 3413. Basic methods for obtaining numerical solutions with a digital computer. Included are methods for the solutions of algebraic and transcendental equations, simultaneous linear equations, ordinary and partial differential equations, and curve fitting techniques. The methods are compared with respect to computational efficiency and accuracy. Any student who earns credit in C S 3723 cannot receive duplicate credit for AME 3723, CH E 3723, or P E 3723. This course may not be taken for graduate credit. (Sp) |
| C S     | 3823   | Theory of Computation                         | Prerequisite: CS 2813 or CS 5005 or MATH 2513. Introduction to abstract machine theory and formal language theory. Topics include Turing machines, finite/pushdown automata, deterministic versus nondeterministic computations, context-free grammars, and mathematical properties of these systems. (F)  |
| C S     | 3960   | Honors Reading                                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers materials not usually presented in the regular courses. (F, Sp)  |



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| Subject | Number | Title                                | Course Description   |
|---------|--------|--------------------------------------|--|
| C S     | 3980   | Honors Research                      | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of subject matter; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work on a special project in the student's field. (F, Sp, Su)   |
| C S     | 3990   | Independent Study                    | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| C S     | 3999   | Upper Division Transfer Credit       | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| C S     | 4005   | Computing Structures                 | Prerequisite: permission of graduate liaison. This course has three parts: discrete mathematics, object-oriented programming in C++, and data structures in C++. As part of the discrete mathematics students will be introduced to combinatorics, logic, relations, functions, computational complexity, automata, and graph theory. Students will be introduced to the fundamentals of object-oriented programming and learn to design, build, and analyze data structures using object-oriented principles and techniques. Credit hours earned for this course cannot be used to fulfill degree requirements for the M.S. or Ph.D. programs in computer science. (Irreg.) |
| C S     | 4013   | Artificial Intelligence              | (Slashlisted with 5013) Prerequisite: CS 2413 or CS 5005, and CS 2813 or CS 4005 or MATH 2513. Study of the methods of search, knowledge representation, heuristics, and other aspects of automating the solution of problems requiring intelligence. No student may earn credit for both 4013 and 5013. (Sp)  |
| C S     | 4023   | Introduction to Intelligent Robotics | (Slashlisted with 5023) Prerequisite: C S 2413, and C S 2813 or MATH 2513. History of intelligent robotics; functional models approach; reactive robots; ethology for robotics; architectures and methodologies; implementation; sensing; hybrid deliberative/reactive robotics; multi-robot systems; navigation; topological path planning; metric path planning; localization and mapping. No student may earn credit for both 4023 and 5023. (F)  |
| C S     | 4033   | Machine Learning                     | (Slashlisted with 5033) Prerequisites: C S 2413, and C S 2813 or MATH 2513, and MATH 4753 or ISE 3293 or MATH 4743, and MATH 3333, and MATH 3113 or MATH 3413. Topics include decision trees, relational learning, neural networks, Bayesian learning, reinforcement learning, multiple-instance learning, feature selection, learning appropriate representations, clustering, and kernel methods. No student may earn credit for both 4033 and 5033. (F)   |
| C S     | 4053   | Computer Graphics                    | (Slashlisted with 5053) Prerequisite: C S 2413, and C S 2813 or MATH 2513, and MATH 3333. An introduction to computer graphics. Topics include coordinate systems, transformations, rendering in both two and three dimensions, and graphical programming. No student may earn credit for both 4053 and 5053. (F)  |
| C S     | 4073   | Computer Game Development            | Prerequisite: CS 4053 and CS 3113 and MATH 3333 and PHYS 2514. Introduction to the process of developing, maintaining, enhancing, adapting, or refactoring a computer based game. Students will work in project teams using an existing game engine. A software development process will be used. Software development tools will be used. Students will practice oral and written communication skills. (Sp)  |
| C S     | 4113   | Operating Systems Theory             | (Slashlisted with 5113) Prerequisite: 3113 and Mathematics 4753 or Industrial Engineering 3293 or Mathematics 4743 or Engineering 3293. Continuation of study from 3113. Advanced topics and examples and simulation techniques used in performance evaluation. No student may earn credit for both 4113 and 5113. (Sp)  |
| C S     | 4133   | Data Networks                        | (Slashlisted with 5133) Prerequisite: 3113 or permission of instructor. Comprehensive treatment of data networking principles including: layered protocol design and their functions, tools for performance analysis, multi-access communication, routing and flow control. No student may earn credit for both 4133 and 5133. (F)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| C S     | 4173   | Computer Security                              | (Slashlisted with 5173) Prerequisite: CS 3113. An introduction to computer security. Topics include applied cryptography, access control, programming and software security, operating system security, network security protocols, and the legal and ethical aspects of security software. (F)  |
| C S     | 4263   | Software Engineering I                         | Prerequisite: CS 3203 and ENGL 3153 or BC 2813 or ENGR 2002, and Computer Science major or minor. Methods and tools for software specification, design, and documentation. Emphasis on architectural modularity, encapsulation of software objects, and software development processes such as design review, code inspection, and defect tracking. Students working in teams apply these ideas to design and document software products. Study of professional ethics and responsibility, and legal issues. No student may obtain credit for CS 4263 and CS 5213. (F)   |
| C S     | 4273   | Software Engineering II                        | Prerequisite: C S 3053 and C S 4263 and CS major or CS minor. Methods and tools for software development, testing, and delivery. Emphasis on data abstraction and reusable components. Students working in teams implement a significant software product, including design documents, user's guide, and process reports, using methods and processes studied in Software Engineering I. Students will practice oral and written communication skills. Study of professional social issues and responsibilities. No student may obtain credit for CS 4273 and CS 5213. (Sp) [V]                                  |
| C S     | 4323   | Compiler Construction                          | Prerequisite: 2413 and 3823. Introduction to the theory and implementation of programming language compilers and interpreters. Class projects require the design of medium scale software systems. (Sp)  |
| C S     | 4410   | Programming Competition                        | Prerequisite: Permission of Instructor. Prepare students to participate in regional, national, and international computer programming competitions. Students will work in teams to solve challenging computer programming problems. (F, Sp)  |
| C S     | 4413   | Algorithm Analysis                             | (Crosslisted with DSA 4413) Prerequisites: C S 2413 and C S 2813; or MATH 2513; or C S 5005. Design and analysis of algorithms and measurement of their complexity. This course introduces various algorithm design strategies: divide and conquer, greedy principle and dynamic programming to solve a variety of problems using algorithms of various types - deterministic and randomized, serial and parallel, centralized and decentralized, program based and circuit based. (F)   |
| C S     | 4433   | Computational Methods in Discrete Optimization | (Slashlisted with 5433) Prerequisite: MATH 3333 and MATH 4413 or concurrent enrollment in 4413. Linear programming: simplex method for LP problems, degeneracy and anticycling strategies, duality theory and complementary slackness conditions, revised simplex method, sensitivity analysis and simplex method for general LP problems. Network optimization: the transshipment problem, network simplex method, shortest path algorithms, the maximum flow problem, and the primal dual method. No student may earn credit for both 4433 and 5433. (F)   |
| C S     | 4473   | Introduction to Parallel Programming           | (Slashlisted with CS 5473) Prerequisite: CS 4413, CS 3113. Parallel and distributed architectures, algorithms, and programming paradigms. Topics include asynchronous/synchronous computation, GPU architectures, load balancing, memory hierarchies, message passing interface (MPI), SIMD/SPMD/MIMD, and multithreaded programming. Students will learn to program using a variety of current languages, systems, and tools. No student may earn credit for both 4473 and 5473. (Sp)   |
| C S     | 4513   | Database Management Systems                    | (Crosslisted with DSA 4513) Prerequisites: C S 2413 and C S 2813; or MATH 2513; or C S 5005. The design and implementation of a DBMS including data models, query languages, entity-relationship diagrams, functional dependencies, normalization, storage structures, access methods, query processing, security and transaction management, and applications. The impact of databases on individuals, organizations, and society, and legal and professional responsibilities including security and privacy will be discussed. A commercial DBMS is used. Students practice written communication skills. (F) |

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| Subject | Number | Title                       | Course Description   |
|---------|--------|-----------------------------|--|
| C S     | 4613   | Computer Architecture       | (Crosslisted with ECE 4613) Prerequisite: 2613 or Electrical and Computer Engineering 3223, or 4004. Covers basic concepts of computer system design and communication between components, along with current and historical examples of computer architecture. (F, Sp)  |
| C S     | 4743   | Scientific Computing I      | (Slashlisted with 5743) Prerequisite: MATH 3333. Interaction between applications, architectures, and algorithms. Review of linear algebra, serial, pipelined vector processors, cluster of processors. Measures of performance of parallel algorithms. Parallel algorithms for the solution of linear systems. No student may earn credit for both 4743 and 5743. (F)   |
| C S     | 4823   | Cryptography                | (Slashlisted with 5823) Prerequisite: 3823 and 4413. Elementary number theory, time complexity for doing arithmetic, finite fields, RSA, discrete logarithm and Diffie-Hellman, zero-knowledge protocols and oblivious transfer. Basic elliptic curve cryptosystems, elliptic curve factorization and primality proving. No student may earn credit for both 4823 and 5823. (Sp)   |
| C S     | 4910   | Senior Reading and Research | 1 to 3 hours. Prerequisite: senior standing, permission of instructor. May be repeated with change of subject matter; maximum credit six hours. Individually supervised reading and research in computing science for gifted seniors. (F, Sp, Su)  |
| C S     | 4960   | Directed Readings           | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| C S     | 4970   | Undergraduate Seminar       | 0 to 3 hours. May be repeated with change of subject matter; maximum credit three hours. A special type of seminar necessitated by the rapidly changing nature of modern data processing information science and computing sciences. (Irreg.)  |
| C S     | 4973   | Special Topics              | Prerequisite: 2413 and permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. A special topics course necessitated by the rapidly changing nature of computer sciences. Topics offered under this number will be accepted as approved Computer Science electives for Computer Science majors. (Irreg.)  |
| C S     | 4990   | Independent Study           | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours but total credit applicable to any degree may be limited. Individual or group research and development projects involving original laboratory, analytical or theoretical investigations and syntheses. Specific objectives and work requirements are established by prior agreement of the instructor and student. Students should expect to spend at least 48 hours for each credit hour and to submit appropriate reports or papers (F, Sp, Su).  |
| C S     | 5005   | Computing Structures        | (Crosslisted with DSA 5005) Prerequisite: CS 2334, MATH 1914 or MATH 1823 or with permission of graduate liaison. This course has three parts: discrete mathematics, object-oriented programming in C++, and data structures in C++. As part of the discrete mathematics students will be introduced to combinatorics, logic, relations, functions, computational complexity, automata, and graph theory. Students will be introduced to the fundamentals of object-oriented programming and learn to design, build, and analyze data structures using object-oriented principles and techniques. Credit hours earned for this course cannot be used to fulfill degree requirements for the B.S., M.S. or Ph.D. programs in computer science. (Irreg.) |
| C S     | 5013   | Artificial Intelligence     | (Slashlisted with 4013) Prerequisite: graduate standing and C S 2413 or C S 5005, and C S 2813 or C S 4005 or MATH 2513. Study of the methods of search, knowledge representation, heuristics, and other aspects of automating the solution of problems requiring intelligence. No student may earn credit for both 4013 and 5013. (Sp)  |

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| Subject | Number | Title                                | Course Description  |
|---------|--------|--------------------------------------|---|
| C S     | 5023   | Introduction to Intelligent Robotics | (Slashlisted with 4023) Prerequisite: graduate standing and C S 2413, and C S 2813 or MATH 2513. History of intelligent robotics; functional models approach; reactive robots; ethology for robotics; architectures and methodologies; implementation; sensing; hybrid deliberative/reactive robotics; multi-robot systems; navigation; topological path planning; metric path planning; localization and mapping. No student may earn credit for both 4023 and 5023. (F) |
| C S     | 5033   | Machine Learning                     | (Slashlisted with 4033) Prerequisites: graduate standing and C S 2413; C S 2813 or MATH 2513; MATH 4753 or ISE 3293 or MATH 4743; MATH 3333; and MATH 3113 or MATH 3413. Topics include decision trees, relational learning, neural networks, Bayesian learning, reinforcement learning, multiple-instance learning, feature selection, learning appropriate representations, clustering, and kernel methods. No student may earn credit for both 4033 and 5033. (F)      |
| C S     | 5043   | Advanced Machine Learning            | Prerequisite: graduate standing, C S 4033 or C S 5033 and MATH 3333. Advanced topics in machine learning. Possible topics include graphical models, kernel methods, and statistical relational learning. (Irreg.)   |
| C S     | 5053   | Computer Graphics                    | Prerequisite: graduate standing and C S 2413, and C S 2813 or MATH 2513, and MATH 3333. An introduction to computer graphics. Topics include coordinate systems, transformations, rendering in both two and three dimensions, and graphical programming. (F)  |
| C S     | 5073   | Artificial Neural Networks Evolution | Prerequisite: CS 2413 and CS 2813, or CS 5005, and MATH 3333. Overview of computational intelligence and artificial evolution, artificial neural networks and artificial evolution, introduction to artificial life and neuro-evolution, and evolutionary robotics. (F)   |
| C S     | 5083   | Knowledge Discovery and Data Mining  | Prerequisite: graduate standing, C S 4033 or C S 5033 or permission of instructor. An application oriented course that gives students the tools to develop and apply appropriate data mining and knowledge discovery techniques to real world problems. (Irreg.)  |
| C S     | 5093   | Visual Analytics                     | Prerequisite: permission of instructor. Exploration and analysis of complex information through visual interactive computational tools and techniques. Topics include analytic reasoning, sense-making, knowledge dissemination, data representation and transformation, visual abstraction, coordinated interaction, visual query languages, spatiotemporal visualization, and applications of visual analysis. (Sp)   |
| C S     | 5113   | Operating Systems Theory             | (Slashlisted with 4113) Prerequisite: 3113 or 4004, and Mathematics 4753 or Industrial Engineering 3293 or Mathematics 4743 or Engineering 3293. Continuation of study from 3113. Advanced topics and examples, and simulation techniques used in performance evaluation. No student may earn credit for both 4113 and 5113. (Sp)   |
| C S     | 5133   | Data Networks                        | (Slashlisted with 4133) Prerequisite: 3113 or 5004 or permission of instructor. Comprehensive treatment of data networking principles including: layered protocol designs and their functions, tools for performance analysis, multi-access communication, routing and flow control. No student may earn credit for both 4133 and 5133. (F)   |
| C S     | 5143   | Network Design and Management        | Prerequisite: 4133 or 5133, or equivalent. Basic concepts in networks; modeling and evaluation techniques; network analysis: delay, loss and throughput, centralized network design; distributed network design, network reliability; applications to local area wireless, wide area, multi-service networking, etc.; network management: SNMP, OSI management, distributed network management and architectures. (Sp)  |
| C S     | 5153   | Network Security                     | Prerequisite: 4133 or 5133. Topics in network security including the inter-network security model, introduction to cryptography, public key encryption and hash functions, network security practice, and system security. (Sp)   |
| C S     | 5163   | Embedded Systems                     | Prerequisite: graduate standing and C S 2613 and C S 3113 and MATH 3333. Theory and practice of connecting computational systems to the physical world through sensors and actuators. (Sp)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| C S     | 5173   | Computer Security                              | (Slashlisted with 4173) Prerequisite: CS 3113. An introduction to computer security. Topics include applied cryptography, access control, programming and software security, operating system security, network security protocols, and the legal and ethical aspects of security software (F)   |
| C S     | 5213   | Software Engineering Processes                 | Prerequisite: graduate standing, C S 3113 or C S 3823 or C S 5005. No student may obtain credit for C S 4263 or C S 4273 and CS 5213. Effective processes for software requirements specification, planning, design, documentation, development, review, defect tracking, testing, product delivery, and product evaluation. Emphasis on resource tracking and software quality. Students work in teams to develop, deliver, and evaluate software products. (Sp)  |
| C S     | 5413   | Computational Complexity                       | Prerequisite: 4413 and 3823 or 5813. Computational complexity theory dealing with various models of computation and a detailed analysis of P and NP hard problems. (Sp)  |
| C S     | 5433   | Computational Methods in Discrete Optimization | (Slashlisted with 4433) Prerequisite: mathematics 3333 and 4413 or concurrent enrollment in 4413. Linear programming: simplex method for LP problems, degeneracy and anticycling strategies, duality theory and complementary slackness conditions, revised simplex method, sensitivity analysis and simplex method for general LP problems. Network optimization: the transshipment problem, network simplex method, shortest path algorithms, the maximum flow problem, and the primal dual method. No student may earn credit for both 4433 and 5433. (F)   |
| C S     | 5443   | Advanced Discrete Optimization and Networks    | Prerequisite: 4413. Review of basic algorithm techniques: DFS, BFS, shortest paths, min-cost spanning tree, etc.; maximum flow problem: labeling and preflow-push algorithms, maximum flow in unit capacity networks and complexity analysis; min cost-flow problems: duality theory, network simplex, primal-dual and relaxation methods; matching: bipartite matching, weighted matching and optimum assignment problems; connectivity: biconnectivity and K-connectivity algorithms; heuristics and approximation algorithms; applications: network design, network reliability and Q0s routing etc. (Sp) |
| C S     | 5463   | Advanced Computer Architecture                 | (Crosslisted with ECE 5463) Prerequisite: C S 4613. The design of modern programmable computer systems with emphases on exploiting parallelism at all levels, designing within constraints, including energy consumption, and the impact of architecture on software design. Covers state of the art computer architecture, case studies and trends. (Sp)  |
| C S     | 5473   | Introduction to Parallel Programming           | (Slashlisted with 4473). Prerequisites: C S 4413, C S 3113. Parallel and distributed architectures, algorithms, and programming paradigms. Topics include asynchronous/synchronous computation, GPU architectures, load balancing, memory hierarchies, message passing interface (MPI), SIMD/SPMD/MIMD, and multithreaded programming. Students will learn to program using a variety of current languages, systems, and tools. No student may earn credit for both 4473 and 5473. (Sp)  |
| C S     | 5513   | Advanced Database Management                   | Prerequisite: 4513. An advanced course dealing with both current database applied research subjects and theoretical aspects of relational databases. Selected topics such as distributed databases, object-oriented databases, real-time databases, and multimedia databases will be discussed. (Sp)   |
| C S     | 5593   | Data Mining                                    | Prerequisite: graduate standing and permission from the instructor or department. Covers the process, concepts and techniques in data mining, including advanced techniques that deal with Big Data. It provides students with the necessary background to conduct data mining tasks for real world problems. The topics covered include understanding and preprocessing data, classification, association analysis, cluster analysis, anomaly detection, and Big Data mining. (F)   |
| C S     | 5613   | Computer Networks and Distributed Processing   | Prerequisite: 4613. Provides a comprehensive treatment of the analysis and design of computer networks. Data communication techniques and distributed processing in a network architecture will be examined. (Sp)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| C S     | 5743   | Scientific Computing I                         | (Slashlisted with 4743) Prerequisite: graduate standing and MATH 3333 and AME 3723 or MATH 4073 or ENGR 3723 or C S 3723. Interaction between applications, architectures, and algorithms. Review of linear algebra, serial, pipelined vector processors, cluster of processors. Measures of performance of parallel algorithms. Parallel algorithms for the solution of linear systems. No student may earn credit for both 4743 and 5743. (F) |
| C S     | 5753   | Scientific Computing II                        | Prerequisite: 5743. Special research topics in scientific computing. Possible topics include optimization algorithms, time series modeling, Kalman filtering techniques, and multivariate statistical techniques. (Sp)  |
| C S     | 5813   | Formal Languages                               | Prerequisite: 3823. Theory of formal languages. Mathematical modeling of natural or artificial objects, events, and phenomena. Topics include systems for linear/nonlinear objects, their language-theoretical properties, and the related machine theory. (F)  |
| C S     | 5823   | Cryptography                                   | (Slashlisted with 4823) Prerequisite: 3823 and 4413. Elementary number theory, time complexity for doing arithmetic, finite fields, RSA, discrete logarithm and Diffie-Hellman, zero-knowledge protocols and oblivious transfer. Basic elliptic curve cryptosystems, elliptic curve factorization and primality proving. No student may earn credit for both 4823 and 5823. (Sp)  |
| C S     | 5960   | Directed Readings                              | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| C S     | 5970   | Graduate Seminar                               | Prerequisite: permission of instructor. May be repeated with a change of subject matter; maximum credit six hours. Selected topics of current research interest not covered by regularly scheduled coursework. (F, Sp, Su)  |
| C S     | 5980   | Research for Master's Thesis                   | Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. (F, Sp, Su)   |
| C S     | 5990   | Independent Studies                            | 1 to 3 hours. Prerequisite: graduate standing, permission of instructor. May be repeated with change of topic; maximum graduate credit nine hours. Supervised individual reading and research in computer science for graduate students. (F, Sp, Su)  |
| C S     | 5999   | Graduate Level Transfer Credit                 | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| C S     | 6960   | Directed Readings                              | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| C S     | 6970   | Special Topics/Seminar                         | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| C S     | 6980   | Research for Doctoral Dissertation             | 2 to 16 hours. (F, Sp, Su)  |
| C S     | 6990   | Independent Study                              | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| CAS     | 1999   | Lower Division Transfer Credit                 | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| CAS     | 2091   | Career Planning for Arts and Sciences Students | Assist students to determine personal career goals, explore career opportunities beyond graduation, develop a strategy for the job search process, and improve job search techniques as life-long resource tools. (F, Sp)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| CAS     | 3003   | Journey to China                               | Prerequisite: English 1213 or Expository Writing 1213. Academic component of the "Journey to China" program, a summer study abroad program run by the University of Oklahoma. The program promotes cultural understanding between the peoples of China and the United States. Participants in the program will be hosted by OU partner universities in cities across China and will have the opportunity to experience some of the country's rich culture and history. Guided field trips and experiential activities will play an integral role in the program, giving students the opportunity to meet Chinese people from a variety of backgrounds. The Journey to China takes place in collaboration with Xi'an International Studies University in the ancient Chinese capital of Xi'an, Yunnan University in Kunming, and Peking University in Beijing. (Su) |
| CAS     | 3091   | Career Planning for Arts and Sciences Students | Prerequisite: junior standing or permission of instructor. Assist students to determine personal career goals, explore career opportunities beyond graduation, develop a strategy for the job search process, and improve job search techniques as life-long resource tools. (F, Sp)   |
| CAS     | 3440   | Mentored Research Experience                   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| CAS     | 3900   | Study Abroad                                   | 1-6 hours. Prerequisite: sophomore standing and completion of ENGL 1213, or permission of instructor. May be repeated; maximum credit 12 hours. Content/location varies. Enrollment in this course indicates that the student is participating in an OU study abroad program run by the College of Arts and Sciences, taught by OU faculty. They will study various cultural, historical, political, social, economic or linguistics issues relevant to understanding their study abroad environment in the specific country chosen and reflected in the course title. (Su)  |
| CAS     | 3901   | Arts and Sciences Co-Op Program                | Prerequisite: concurrent participation in A&S Co-Op Program. Program allows students to work outside the university in a job related to the major. Enrollment in this course will be during a term in which a student is working full-time, with the cooperation of the employer, with the intent of returning to OU to continue with the degree requirements. Upon completion of the term's work, the student will write a paper describing their work experience and the relevance to their major. (F, Sp, Su)   |
| CAS     | 3960   | Honors Reading                                 | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| CAS     | 3970   | Honors Seminar                                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| CAS     | 3980   | Honors Research                                | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| CAS     | 3990   | Independent Study                              | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| CAS     | 3999   | Upper Division Transfer Credit                 | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| CAS     | 4113   | Life After OU: A Survival Course               | Prerequisite: senior standing. Introduces students to practical aspects of life after college. Includes interviewing; legal aspects of employment; money, banking and finances; insurance; mortgages; estate planning; and civic involvement. (Irreg.)   |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| CAS     | 4630   | CAS Internship                 | 1 to 6 hours. Prerequisite: CAS major; must have completed at least 30 hours; permission of instructor. May be repeated; maximum credit six hours. Provides hands-on experience for students in chosen field of study. (F, Sp, Su)  |
| CAS     | 4703   | Multidisciplinary Capstone     | Prerequisite: senior standing and permission. Explores interdisciplinary topics through research, analysis, and writing. It will incorporate instruction in appropriate research methods, focus on contemporary issues from a global perspective, and prepare students to function as informed citizens in a democracy. Required readings will provide a common basis for discussion. (F, Sp) [V]   |
| CAS     | 4710   | Entrepreneurship Internship    | Prerequisite: Student must have declared minor in enterprise studies. May be repeated for up to six hours credit. (F, Sp, Su)   |
| CAS     | 4960   | Directed Readings              | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| CAS     | 4970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| CAS     | 4990   | Independent Study              | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| CAS     | 5960   | Directed Readings              | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| CAS     | 5970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| CAS     | 5990   | Independent Study              | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| CAS     | 5999   | Graduate Level Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| CD      | 1999   | Undergrad Transfer Work        | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| CD      | 3433   | Intro-Speech Path              |   |
| CEE     | 1999   | Lower Division Transfer Credit | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| CEE     | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| CEE     | 3999   | Upper Division Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |



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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| CEE     | 4960   | Directed Readings   | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| CEE     | 4970   | Special Topics/Seminar                                      | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| CEE     | 4990   | Independent Study   | 1 to 3 hours. Prerequisite: senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| CEE     | 5960   | Directed Readings   | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| CEE     | 5970   | Special Topics/Seminar                                      | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| CEE     | 5990   | Independent Study   | 1 to 3 hours. Prerequisite: graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| CEE     | 5999   | Graduate Level Transfer Credit                              | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| CEES    | 1000   | CEES Seminar  | Seminar provides a common meeting time for students and faculty for department activities, such as invited speakers, project presentations, educational surveys, cross-course project coordination, and policy announcements. Students must enroll every semester that they are matriculated in CEES at OU after the freshman year, but in no case can a student graduate without successfully completing four semesters of seminar. (F, Sp)  |
| CEES    | 1112   | Introduction to Civil Engineering and Environmental Science | Prerequisite: Freshman only. Introduction to fundamental concepts (mass/flow balance), problem solving and design, and simple computing software for architectural, civil or environmental engineers and environmental scientists. (F)  |
| CEES    | 1999   | Lower Division Transfer Credit                              | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| CEES    | 2113   | Statics   | Prerequisite: PHYS 2514 and MATH 2433 or MATH 2934 or concurrent enrollment in MATH 2433 or MATH 2934. Vector representation of forces and moments; general three-dimensional theorems of statics; centroids and moments of area and inertia. Free-body diagrams, equilibrium of a particle and of rigid bodies, distributed loads, friction and internal shear and moment loads. Analysis of trusses, frames, and machines. (F)  |
| CEES    | 2153   | Mechanics of Materials                                      | Prerequisites: 2113 or AME 2113 or PE 2113. Basic principles of mechanics, including the definition of stress and strain, transformations and principal values for the stress and strain tensors, kinematic relations, review of conservation equations and the development and application of constitutive laws for idealized materials. Elementary elastostatics utilizing Hooke's law; constitutive relations for a linear-elastic continuum, including elastic parameters such as Young's modulus, shear and bulk moduli and Poisson's ratio. Solution of elementary one- and two-dimensional mechanics problems, including thermal stresses and strains, beam flexure, shear and deflections, pressure vessels and buckling of columns. (Sp) |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| CEES    | 2213   | CADD Fundamentals  | Prerequisite: CEES Majors only and Sophomore standing. Introduction to computer aided design and drafting with a focus on the AutoCAD and MicroStation platforms. This course is primarily about learning to use the software and learning how to convey an engineering design graphically. (F)   |
| CEES    | 2223   | Fluid Mechanics  | Prerequisites: 2113 or AME 2113 or PE 2113, and Math 3113 or concurrent enrollment. Coverage of the fundamentals of fluid statics and dynamics. Formulation of the equation of fluid flow, i.e., Navier-Stokes equation, Eulers equations, Bernoulli equations, etc. and their application. Examples of ideal fluid flow, such as flow in open and closed conduits. (Sp)  |
| CEES    | 2281   | Engineering Co-Op Program                                      | (Crosslisted with AME, CH E, C S, ECE, ENGR, EPHY, G E, I E, P E 2281) Prerequisite: student participation in the program. The Co-Op program provides student placement in jobs outside the University, but in a position related to the student's major. On completion of a semester work period, the student submits a brief written report. One hour of credit (elective) granted for each work period, with a maximum credit of six hours. (F, Sp, Su)  |
| CEES    | 2313   | Water Quality Fundamentals                                     | Prerequisite: CHEM 1415, MATH 2423 or MATH 2924. Introduction to environmental mass balance and fate processes. Studies of mass and energy transfer, introductory environmental chemistry, water quality parameters, mathematics of growth, statistics and data analysis, introduction to environmental laws and regulations. (F)   |
| CEES    | 2323   | Environmental Transport and Fate Process                       | Prerequisite: 2313. Physicochemical and biological processes controlling contaminant distribution and fate; hydrological processes controlling contaminant transport; sources, prevention and remediation of environmental pollutants. (Sp)   |
| CEES    | 2970   | Special Topics/Seminar   | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |
| CEES    | 3213   | Water Resources Engineering                                    | Prerequisite: 2223 or permission of instructor. Municipal water demands, surface water hydrology, ground water hydrology, water distribution systems, pump design, wastewater collection systems, storm water management, water law. (F)  |
| CEES    | 3243   | Water and Wastewater Treatment Design                          | Prerequisite: CEES 2223. Design of municipal water and wastewater treatment plants. Emphasis is placed on the characterization of water and wastewater and physical, chemical and biological treatment methods. Sludge processing advanced treatment methods and treatment plant hydraulics are also considered. (Sp)   |
| CEES    | 3251   | WaTER Center Integrated Seminar                                | Prerequisite: permission of instructor. This course is a weekly hour-long seminar in which students will hear from guest speakers discussing WASH projects in emerging regions, present their intercultural experience in the form of a case study, and listen to other case study presentations. Students may also read and discuss assigned readings (e.g., published peer-reviewed papers of other researchers doing similar work). (F,SP)   |
| CEES    | 3263   | Introduction to Dynamics for Architectural and Civil Engineers | Prerequisite: CEES 2153 and MATH 3113. Kinematics and kinetics of rigid bodies; free and forced vibrations of undamped and damped single degree-of-freedom systems; concept of mass, stiffness, and damping for typical structures; introduction to vibrations of two and more degrees-of-freedom systems; and determination of loads on structures from dynamic events such as earthquakes. (F)  |
| CEES    | 3361   | Soil Mechanics Laboratory                                      | Prerequisite: CEES 2153 or PE 2153; CEES 3363 or concurrent enrollment (you must be enrolled in both lecture and lab section together the first time you attempt either). This is one of two complimentary courses taken in the area of Geotechnical Engineering and serves as an introduction to soil mechanics. During this course, the student will conduct simple laboratory tests to identify and classify soils, characterize the compacted properties of soil, and quantify soil permeability, compressibility and strength. (F) |
| CEES    | 3363   | Soil Mechanics   | Prerequisite: CEES 2153 or PE 2153; CEES 3361 or concurrent enrollment (you must be enrolled in both lecture and a lab section together the first time you attempt either). General treatment of the physical and mechanical properties of soils. Topics include soil composition, classification, phase relationships, compaction, effective stress, consolidation, shear strength and permeability and seepage. (F)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| CEES    | 3403   | Materials  | Prerequisite: CEES 2153 or PE 2153 or concurrent enrollment. Study of the properties of materials utilized by architectural and civil engineers; analyses of aggregates, concrete, masonry, steel, asphalt, plastics and wood. Laboratory. (Sp)   |
| CEES    | 3413   | Structural Analysis I                                    | Prerequisite: CEES 2153 or PE 2153. Loads, reactions and force systems; introduction to design codes; analysis of frames and trusses; calculation of structural deformations; and analysis of indeterminate structures. Emphasis on classical solutions and time-tested approaches to structural engineering. Introduction to structural analysis computer programs to solve complex problems. (F)  |
| CEES    | 3422   | Intercultural Immersion Experience in an Emerging Region | Prerequisite: permission of instructor. This course is an immersion experience for a three to six week period, which could encompass part or all of a summer period. The experience must have a WaTER component - i.e., must include a technological, cultural, and/or business lens on water, sanitation and/or hygiene in a particular context. Students will initiate and design their own experience, either alone or with other students in the program. Prior to starting the experience/internship, students will write a proposal of planned activities and secure the approval from a CEES faculty member to serve as an advisor. After completion of the internship, the students will then submit a written report and make an oral presentation for a three-member review committee that includes the faculty advisor. The immersion experience is intended to be international (outside of the U.S.), but a student may make the case for and receive permission for a domestic setting that is impoverished and underdeveloped, such as an inner city, a tribal reservation, etc., as long as there is a WaTER component to the experience. |
| CEES    | 3440   | Mentored Research Experience                             | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| CEES    | 3453   | Introduction to Construction Management                  | Prerequisite: CEES 2213 and junior level standing in CEES. Introduction to methods for managing construction projects including scheduling, cost estimating, contracts, pay request, change orders, and requests for information. Students will also learn how to read construction documents and understand project specifications. (Sp)   |
| CEES    | 3663   | Structural Design - Steel I                              | Prerequisite: CEES 3413 and CEES 3403 or concurrent enrollment in CEES 3403. Design of steel structural members including tension elements, columns, beams, and beam-columns; bolted and welded connection design; composite beam design; introduction to plastic design. Laboratory. (Sp)  |
| CEES    | 3673   | Structural Design - Concrete I                           | Prerequisite: CEES 3403, CEES 3413. Analysis and design of reinforced concrete beams, columns, slabs, footings, etc., along with discussion of current building practice. Laboratory (F or Sp)  |
| CEES    | 3883   | Transportation Engineering                               | Prerequisite: CEES 2153 or P E 2153 and CEES 3403. Introduction to transportation planning, design, construction, operations and maintenance emphasizing the highway/street mode. Includes demand modeling, route location and design, pavements including hot mix asphalt volumetrics and stability, drainage, and traffic control devices. (Sp)   |
| CEES    | 3960   | Honors Reading   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| CEES    | 3970   | Honors Seminar   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. The projects covered will vary. Deals with concepts not usually presented in regular coursework. (Irreg.)   |
| CEES    | 3980   | Honors Research  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work on a special project in the field. (Sp)   |

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| Subject | Number | Title                                    | Course Description   |
|---------|--------|--|--|
| CEES    | 3990   | Independent Study                        | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| CEES    | 3999   | Upper Division Transfer Credit           | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| CEES    | 4113   | Building Lighting and Electrical Systems | Prerequisite: MATH 2423 or MATH 2924; PHYS 2524; and ENGR 2431 or concurrent enrollment, CEES majors only. Fundamentals of building lighting and electrical systems. Lighting topics include the determination of appropriate lighting quantity and quality, luminaires and lighting design procedures for residential, commercial and industrial buildings. Electrical topics will include service voltages, overcurrent protection, short circuit analysis and branch circuit design for residential, commercial and industrial buildings. (F or Sp)   |
| CEES    | 4114   | Aquatic Chemistry                        | (Slashlisted with 5114) Prerequisite: senior standing and one year of general chemistry. Environmental kinetics and thermodynamics in aquatic systems; acid/base, precipitation/solubility, metal complexation and oxidation/reduction reactions; environmental colloidal and solid-liquid interface chemistry. No student may earn credit for both 4114 and 5114 or Environmental Science 4114 and 5114. Laboratory. (F)  |
| CEES    | 4123   | Open Channel Flow                        | Prerequisite: 2223. Theory, analysis and design of channels, aqueducts, headworks, siphons, spillways and hydraulic structures. An in-depth study of critical flow and measurement techniques. Backwater analysis by analytical, calculator and computer methods. Special emphasis on practical problems of general interest. (Sp)   |
| CEES    | 4243   | Water Technologies for Emerging Regions  | Prerequisite: 2223 or 2323 or equivalent or instructor permission. Students will gain an understanding of water and sanitation issues in remote villages of developing countries. Explore and design sustainable technologies appropriate to these settings including cultural, political and economic factors. (Sp)   |
| CEES    | 4253   | Statistics and Probability               | Prerequisite: MATH 2423 or 2924 and PHYS 2524 or 2424. Designed to help students understand the fundamentals of probability, statistics, reliability, and risk methods in support of decision making for future engineers and scientists. Fundamental concepts in probability and statistics will be reviewed and used throughout the course. Engineering decisions are often based on data that contain uncertainty; future scientists and engineers should understand how uncertainty affects calculated quantities, accuracy, precision, and reliability. (Sp)  |
| CEES    | 4263   | Hazardous and Solid Waste Management     | Prerequisite: junior or above status in CEES or permission of instructor. Sources and types of solid wastes; identification and classification of hazardous wastes; waste handling, transportation, treatment and disposal techniques, federal and state legislation; and environmental and health effects. (F)  |
| CEES    | 4273   | WaTER Technical Field Methods            | Prerequisite: permission of instructor. This course is a hands-on practicum covering skills necessary for construction and implementation of water and sanitation projects in developing countries. Course modules are chosen to reflect the typical projects and types of skills needed by development workers in organizations such as Peace Corps, USAID, Engineers Without Borders, and faith-based organizations. The emphasis will be on sustainable technologies using methods and materials appropriate to emerging regions. Non-engineering students are encouraged to participate. Basic physical principles will be presented as needed. (Su) |
| CEES    | 4324   | Environmental Biology and Ecology        | (Slashlisted with 5324) Prerequisite: CEES 2323. Examines applied environmental biology; biological consequences of environmental impacts; mitigation of environmental impacts via biogeochemical, ecological and microbial processes. No student may earn credit for both 4324 and 5324. Laboratory (F)   |
| CEES    | 4333   | Foundation Engineering                   | Prerequisite: CEES 3363. Substructure analysis and design to meet various soil conditions; footings and rafts, shoring and underpinning, piles, cofferdams, caissons, breakwaters, piers, wharves, vibratory effects on foundations. (Sp)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| CEES    | 4423   | CEES Professional Internship or Co-op                      | Prerequisite: completion of at least 19 hours of Civil Engineering and Environmental Science (CEES) coursework (for Civil Engineering and Environmental Engineering majors); or completion of at least 19 hours of CEES and science coursework (for Environmental Science majors); or completion of at least 19 hours CEES and Architecture (ARCH) coursework (for Architectural Engineering majors). Provides three hours of professional elective credit for 400 hours of internship. Prior to starting the internship, students should write a proposal of planned activities and secure the approval from a CEES faculty member to serve as an of the advisor. After completion of the internship or co-op, the students should enroll in this course. The student must then submit a written report, and make an oral presentation for a three-member review committee that includes the faculty advisor. (F, Sp, Su) |
| CEES    | 4453   | Geomatics Engineering                                      | Prerequisites: CEES 2213, CEES 3403 and MATH 2433 or MATH 2934 or instructor permission. Geomatics engineering deals with the science of determining relative positions of features for mapping, engineering and construction plans. Topics include digital leveling, orientation, distance measurement, traversing and control surveys, accuracy, error sources, precise horizontal and zenith angle measurements, and introduction of global navigation satellite system. Laboratory (F)   |
| CEES    | 4603   | Introduction to Environmental Health                       | (Slashlisted with 5603) Prerequisite: permission of instructor. Mitigation of human health and environmental problems with a focus on differences between developing and developed countries. Topics include baseline health indicators, population growth, toxicology, and risk assessment, water and wastewater, air quality, solid and hazardous waste, and environmental management systems. No student may earn credit for both 4603 and 5603. (Sp)   |
| CEES    | 4663   | Introduction to Matrix Methods in Structural Analysis      | Prerequisite: CEES 3413. Review of matrix algebra and solution of linear equations; energy concepts and principle of virtual work; fundamentals of flexibility and stiffness methods; coordinate transformation and matrix assemblage; computer-oriented direct stiffness method and computer code developments; secondary effects; support settlement and temperature change; method of finite differences and application to beam and plate problems. Laboratory (F or Sp)   |
| CEES    | 4753   | Structural Design - Wood                                   | Prerequisite: CEES 3413 or equivalent. Material properties and behavior of wood. Analysis and design of solid and laminated structural members, connections, systems, trusses and arches. Current developments in structural wood design and research. (F)   |
| CEES    | 4803   | Civil Engineering Professional Practice                    | Prerequisites: senior standing in Architectural or Civil Engineering. Architectural engineers must also have Engineering 2431 or concurrent enrollment. Introduces students to both technical and non-traditional aspects of professional practice. Technical emphases include discipline-specific instruction on the design process. Architectural engineers are trained in design of building plumbing and electrical systems. Civil engineers are trained on structural and foundation design. Both disciplines receive training on non-technical aspects of professional practice including organization, project management, ethics and communications. (F)   |
| CEES    | 4813   | Envir Science and Envir. Engineering Professional Practice | Prerequisite: senior standing in environmental science or environmental engineering. Nature of profession, duties and administrative responsibilities. Organization and management of operating divisions with emphasis on role of environmental professional. Functional approach to planning and implementing public works needs with emphasis on role of environmental professional. (F)  |
| CEES    | 4901   | Introduction to CE Capstone                                | Prerequisites: Senior standing in Civil Engineering. Introduction to the capstone design project, which is a two-semester-long, open-ended engineering design problem that requires applying the skills and techniques acquired in earlier engineering course work. This course will focus on introducing the project requirements; forming multi-disciplinary teams of students; developing team identities; assigning team roles; evaluating project constraints; and developing a project design schedule. (F)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| CEES    | 4903   | Civil Engineering Capstone                   | Prerequisite: CEES 3213, CEES 3363, CEES 3361, CEES 3663 or CEES 3673 and CEES 4901. Solution of major design problems by a team approach of disciplines. Problems to be varied within the areas of civil engineering (structural; geotechnical; and transportation) according to the student's major interest. The capstone project will be under direct faculty supervision. (Sp) [V]   |
| CEES    | 4911   | Introduction to ES Capstone                  | Prerequisite: Senior standing in Environmental Science. Introduction to the capstone design project, which is a two-semester-long, open-ended engineering design problem that requires applying the skills and techniques acquired in earlier engineering course work. This course will focus on introducing the project requirements; forming multi-disciplinary teams of students; developing team identities; assigning team roles; evaluating project constraints; and developing a project design schedule. (F)  |
| CEES    | 4913   | Environmental Science Capstone               | Prerequisite: CEES 4114, CEES 4324, CEES 4911; and CEES 4253 co-requisite. The capstone experience draws upon undergraduate course work in environmental science, biology, chemistry, physics, mathematics, and related sciences. Student teams address a client-driven, open-ended, real-world problem. Faculty coordinators serve in advisory capacities only, introducing field, laboratory, and computer methods and coordinating class meetings and presentations. Any other in-class presentations cover non-traditional (non-technical) topics. (Sp) [V]         |
| CEES    | 4921   | Introduction to EE Capstone                  | Prerequisites: Senior standing in Environmental Engineering. Introduction to the capstone design project, which is a two-semester-long, open-ended engineering design problem that requires applying the skills and techniques acquired in earlier engineering course work. This course will focus on introducing the project requirements; forming multi-disciplinary teams of students; developing team identities; assigning team roles; evaluating project constraints; and developing a project design schedule. (F)   |
| CEES    | 4923   | Environmental Engineering Capstone           | Prerequisite: CEES 3213, CEES 4114, CEES 4324, CEES 4921; CEES 4253 or concurrent enrollment. The capstone experience is a course where students draw upon their undergraduate course work for analysis of an open-ended, real world problem. Faculty coordinators serve in advisory capacities only. All in-class presentations will cover non-traditional (non-technical) topics. Students are presumed to have been trained in basic natural and engineering sciences and introduced to environmental sampling/analysis and impact/risk assessment methods. (Sp) [V] |
| CEES    | 4943   | Air Quality Management                       | Prerequisite: MATH 2423 or MATH 2924; and CHEM 1315. Important aspects of air quality will be covered, including air quality legislation, major sources and effects of air pollutants, monitoring, atmospheric dispersion, and air quality modeling. (Sp)   |
| CEES    | 4951   | Contemporary Topics in Professional Practice | Prerequisite: junior standing in Civil Engineering. Civil engineering is a dynamic profession, as methods of practice evolve to address the many pressing problems in today's built and natural environment. This course provides an introduction to contemporary topics in professional practice, such as basic concepts of sustainability in engineering design, modern tools for project management, and the role of business/policy considerations in practice. (F)   |
| CEES    | 4960   | Directed Readings                            | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| CEES    | 4970   | Special Topics/Seminar                       | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| CEES    | 4980   | Environmental Science Senior Research        | Prerequisite: senior standing. Maximum credit twelve hours. Intensive research investigation of a special project under the direction of a faculty member. (F, Sp, Su)  |

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| Subject | Number | Title                                     | Course Description   |
|---------|--------|---|--|
| CEES    | 4990   | Independent Study                         | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| CEES    | 4991   | Introduction to AE Capstone               | Prerequisite: senior standing in Architectural Engineering. Introduction to the capstone design project, which is a two-semester-long, open-ended engineering design problem that requires applying the skills and techniques acquired in earlier engineering course work. This course will focus on introducing the project requirements; forming multi-disciplinary teams of students; developing team identities; assigning team roles; evaluating project constraints; and developing a project design schedule. (F) |
| CEES    | 4993   | Architecture Engineering Capstone         | Prerequisite: CEES 3663, CEES 3673, CEES 4991 and AME 4653; CEES 4113 and CEES 4333 or concurrent enrollment. A capstone course emphasizing design of structural components and environmental systems of buildings. Requires students to have knowledge and skills from prerequisite courses to address a real-world, open-ended design problem. (Sp) [V]  |
| CEES    | 5010   | Civil Engineering Problems                | Prerequisite: senior or graduate standing and permission of instructor. May be repeated; maximum credit four hours for a master's program or six hours for a doctoral program, including hours taken as part of another graduate program. Independent or small group study under the supervision of one or more faculty members. (F, Sp, Su)   |
| CEES    | 5020   | Special Topics in Civil Engineering       | 1 to 6 hours. Prerequisite: senior or graduate standing and permission of instructor. May be repeated with change of topic; maximum credit twelve hours. Examines subject matter in civil engineering not covered by existing course offerings as a regular course. (F, Sp, Su)  |
| CEES    | 5021   | Technical Communications                  | Prerequisite: CEES graduate standing or permission of instructor. Focused on enabling students to improve oral and written communications skills. Examines appropriate formats for various technical publications, as well as methods and practices for developing effective oral presentations. Each student will be required to develop an oral presentation about his/her written product. (Sp)   |
| CEES    | 5114   | Aquatic Chemistry                         | (Slashlisted with 4114) Prerequisite: graduate standing, one year general chemistry. Environmental kinetics and thermodynamics in aquatic systems; acid/base, precipitation/solubility, metal complexation and oxidation/reduction reactions; environmental colloidal and solid-liquid interface chemistry. No student may earn credit for both 4114 and 5114 or Environmental Science 4114 and 5114. Laboratory. (F)  |
| CEES    | 5234   | Applied Environmental Microbiology        | Prerequisite: 2323, 3243, or permission of instructor. Basic environmental microbiology and bioenvironmental engineering. Presentation of the diversity and importance of organisms involved in solid and liquid waste reduction. The course examines basic microbiology, biodegradation mechanisms, bioavailability, biotreatability studies, groundwater remediation (both oxic and anoxic), and bioengineering process technologies. No student may earn credit for both 4234 and 5234. Laboratory (F)                |
| CEES    | 5244   | Physicochemical Water Treatment Processes | Prerequisite: graduate standing or permission of instructor. Physical and chemical processes for drinking water, ground water and industrial water treatment. Processes discussed include coagulation/flocculation, gravity separation, filtration, disinfection, adsorption, advanced oxidation, and phase transfer (e.g., air stripping). (Sp even years)  |
| CEES    | 5283   | Environmental Organic Chemistry           | Prerequisite: 4114 or permission of instructor. Solubility, partitioning, and sorption of organic compounds in aqueous systems; linear free energy relationships; natural organic matter chemistry and characterization; environmentally pertinent hydrolysis, oxidation, and reduction reactions; disinfection reactions; and aqueous photochemistry. (Sp)  |
| CEES    | 5303   | Asphalt Materials and Mix Design          | Prerequisite: CEES 3403 and CEES 3883. Asphalt cement, cutbacks, emulsions, testing procedures and grading; aggregate properties, blending; asphalt concrete mix design (Marshall, Hveen and Superpave); MHA construction; HMA pavement performances; special asphalt mixes; recent developments. Laboratory (Sp)  |

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| Subject | Number | Title                             | Course Description   |
|---------|--------|-----------------------------------|--|
| CEES    | 5313   | Engineering Geology               | Prerequisites: CEES 3363, CEES 3361 and permission of instructor. Understanding geology in engineering design and mitigation: topics include weathering and soil-forming processes; engineering properties of rock; landslides and debris flow (slope stability); fluvial processes and hazards; land subsidence; expansive soil; hazard, risk and land-use planning. (F)  |
| CEES    | 5323   | Geosynthetics                     | Prerequisites: CEES 3363 and CEES 3361. To introduce students to concepts and design methods involving the use of geosynthetics in geotechnical and transportation engineering applications. (F)   |
| CEES    | 5324   | Environmental Biology and Ecology | (Slashlisted with 4324) Prerequisite: graduate standing in Environmental Science. Examines applied environmental biology; biological consequences of environmental impacts; mitigation of environmental impacts via biogeochemical, ecological and microbial processes. No student may earn credit for both 4324 and 5324. Laboratory (F)  |
| CEES    | 5343   | Advanced Soil Mechanics           | Prerequisites: CEES 3363, CEES 3361 and permission of instructor. Advanced treatment of theories and principles of shearing strength, stress distribution and settlement analysis. (F)   |
| CEES    | 5353   | Introduction to Soil Dynamics     | Prerequisite: 3364 or permission of instructor. Review of basic concepts (single- and multi-degree of freedom system, wave propagation, behavior of dynamically loaded soils), liquefaction, vibrations of footings on elastic half space, analog models, dynamics of pile foundations, machine foundations, design of foundations for dynamic loads including earthquake loading. (Irreg.)  |
| CEES    | 5363   | Ecological Engineering Science    | Prerequisite: senior or graduate standing. Defined as the design of sustainable ecosystems that integrate human society with its natural environment for the benefit of both. It is distinct from both environmental engineer and ecology and uses a systems perspective based on the premise that sustainable solutions require working with natural ecological and biogeochemical process and not against them. Ecologically engineered systems are designed to require less fossil fuel input, produce less pollution and represent cost-effective alternatives to traditional energy-and resource-intensive technologies. (Sp) |
| CEES    | 5383   | Earthquake Engineering            | Prerequisite: senior or graduate standing. To provide students with an understanding of the effects of earthquakes on civil engineering structures and analytical tools for their seismic analysis. (F)  |
| CEES    | 5393   | Reinforced Soil Structures        | Prerequisites: CEES 3363 and CEES 3361. Introduce students to the analysis and design methods related to geotechnical structures reinforced with geosynthetics. The main focus of this course will be on reinforced soil walls, slopes and embankments. (Sp)   |
| CEES    | 5404   | Soil Stabilization                | Prerequisites: CEES 3403, 3363 and 3361. Principles and methods of soil stabilization; soil-aggregate, soil-chemical stabilization; grouting; design and laboratory testing of stabilized soils. Laboratory (Irreg.)   |
| CEES    | 5413   | Soil-Structure Interaction        | Prerequisite: 3364 or permission of instructor. Introduction-definition, methods of solution; beams on deformable foundations; analysis and design of axially loaded structures -- single pile, pile groups, retaining walls; plates on deformable foundations; role of interfaces and joints; wave equation for pile behavior. (Irreg.)   |
| CEES    | 5423   | Environmental Geotechnology       | Prerequisite: 3243 and 3364, or permission of instructor. Covers geotechnical issues in environmental problems and solutions. Site characterization; laboratory and in-situ testing for environmental applications; soil mineralogy and fabric; design and construction of contaminant barriers and landfill liners. (Sp)  |
| CEES    | 5433   | In-Situ Soil Testing              | Prerequisites: CEES 3363, CEES 3361 and permission of instructor. This is a "hands-on" course that focuses on conducting and interpreting laboratory and in-situ tests for geotechnical engineering. Topics can include but are not limited to drilling, sampling, soil characterization, triaxial shear testing, one-dimensional compression, flexible wall permeability testing, pressuremeter, cone penetrometer, borehole shear, and pile load testing. Laboratory (Sp)  |
| CEES    | 5443   | Unsaturated Soil Mechanics        | Prerequisites: CEES 3363 and CEES 3361. Provide students with an understanding of the theoretical and practical fundamentals of unsaturated soil mechanics with applications in geotechnical engineering. (F)  |



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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| CEES    | 5453   | Public Mass Transportation Systems         | (Crosslisted with RCPL 5453) Prerequisite: 3884 or permission of instructor. Service characteristics of the principal modes of public mass transportation with emphasis on urban transit (fixed-route bus, light rail, subways, commuter rail, paratransit, taxi); legislation and regulations; institutional structures; financing; need and demand studies; planning strategies; management; operations and record keeping; case studies of leading systems. (Irreg.) |
| CEES    | 5473   | Forensic Geotechnical Engineering          | Prerequisites: CEES 3363 and CEES 3361. Examines methods for investigating and analyzing geotechnical failures. Examples include slope failures, pavement subgrade failures, foundation failures, excessive seepage from earth dams, and excavation failures. The course also addresses the role of the engineer as a consultant and/or expert witness in legal cases involving geotechnical failures. (F or Sp)  |
| CEES    | 5483   | Urban and Regional Transportation Planning | (Crosslisted with RCPL 5483) Prerequisite: graduate standing or permission. Characteristics of urban and regional passenger and freight demand; travel demand forecasting methodologies; long- and short-range planning strategies; role of governments; characteristics of major modes of transport; decision-making strategies; case studies. (Sp)  |
| CEES    | 5493   | Transportation and Land Development        | (Crosslisted with RCPL 5493) Prerequisite: graduate standing or permission. Study of interactions between land development activity and the transportation network. Application of planning and design techniques to manage the impacts of development upon the transportation system.  |
| CEES    | 5603   | Introduction to Environmental Health       | (Slashlisted with 4603) Prerequisite: Permission of instructor. Mitigation of human health and environmental problems with a focus on differences between developing and developed countries. Topics include baseline health indicators, population growth, toxicology, and risk assessment, water and wastewater, air quality, solid and hazardous waste, and environmental management systems. No student may earn credit for both 4603 and 5603. (Sp)                |
| CEES    | 5624   | Biological Waste Treatment                 | Treatment of waste using biological processes; emphasis on treatment kinetics, municipal wastewater treatment processes, and design of municipal wastewater unit processes; application of biological treatment concepts to other wastes including industrial wastes, groundwater, and solid or hazardous wastes. Laboratory (F)  |
| CEES    | 5653   | Advanced Mechanics of Materials            | Prerequisite: CEES 2153 or PE 2153 and senior or graduate standing. Principal stresses and strains; theories of failure; introduction to elasticity; unsymmetrical bending and shear; torsion of noncircular solid cross sections, cellular sections and open sections; introduction to plate bending and buckling. (F)   |
| CEES    | 5673   | Colloid and Surface Science                | (Crosslisted with CH E) Prerequisite: graduate standing or permission of instructor. Capillarity, surface thermodynamics, adsorption from vapor and liquid phases, contact angles, micelle formation, solubilization, emulsions and foams. Applications to be discussed include detergency, enhanced oil recovery and adsorption for pollution control. (Irreg.)  |
| CEES    | 5683   | Dynamics of Structures                     | Prerequisite: CEES 3263, CEES 3414. Free vibration, forced vibration and transient response of structures having one, multiple or infinite number of degrees-of-freedom; structural damping effects; numerical solution techniques; Lagrange's equation of motion, Rayleigh-Ritz method. General matrix formulation for multiple degrees-of-freedom, modal coordinate transformation. Introduction to earthquake engineering concepts. (F)                              |
| CEES    | 5693   | Structural Design of Pavements             | Prerequisites: CEES 3363, 3361 and 3883. Effect of load and climate on the design of rigid and flexible pavements and interaction of pavement components. (Irreg.)  |
| CEES    | 5763   | Introduction to Finite Element Method      | (Crosslisted with AME 5763) Prerequisite: graduate standing. Weighted residual and variational approaches. Finite element formulation for rod, truss and beam elements; plane stress and plane strain problem; axi-symmetric and three-dimensional analysis; isoparametric elements; conforming and nonconforming plate and shell elements. (Sp)  |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| CEES    | 5773   | Structural Design--Steel II                | Prerequisite: CEES 3663. Advanced structural steel design including steel deck diaphragms, column and beam bracing, composite beam design, rigid frame design, torsional member design, plate girder design, and design of building connections. (F or Sp)  |
| CEES    | 5783   | Structural Design--Concrete II             | Prerequisite: CEES 3673. Advanced reinforced concrete behavior and design including limit design, anchorage slender columns, truss models for shear and torsion on beams, two-way and flat slabs, and the art of detailing. (F or Sp)   |
| CEES    | 5793   | Design of Prestressed Concrete Structures  | Prerequisite: CEES 3673. Design procedures for pretensioned and post-tensioned concrete structures, with emphasis on the behavior of prestressed concrete. Topics include methods of analysis, time dependent effects, fabrication and construction procedures, connections, highway bridges, frames, composite construction, continuous structures, and anchorage zone detailing. (Irreg.)   |
| CEES    | 5833   | Ground Water Quality Protection            | Prerequisite: graduate standing or permission. Introduction to ground water quality protection. Covers sources of ground water, ground water hydrology, ground water information sources, ground water pollution sources, subsurface transport and fate processes and monitoring of ground water systems. (F)   |
| CEES    | 5843   | Hydrology                                  | Prerequisite: MATH 3113, graduate standing, or permission of instructor. An applied course on hydrology dealing with environmental water problems; principles of hydrologic systems, their structure and components; methods of analysis and their application to various purposes of water resources planning and development. (Sp)  |
| CEES    | 5853   | Groundwater and Seepage                    | (Crosslisted with GEOL 5853) Prerequisite: graduate standing in civil engineering, environmental science or geology or permission. An applied course dealing with properties of aquifers, modeling of groundwater flow, groundwater hydrology and its interrelation with surface water, well hydraulics, pumping tests and safe yield of aquifers. (F)  |
| CEES    | 5873   | Water Quality Management                   | Prerequisite: MATH 3113, and graduate standing, or instructor permission. Water quality in lakes, rivers, estuaries; chemical, physical and biological aspects of marine and fresh waters; waste assimilation; system modeling; water quality management; waste load allocation, and engineer controls. (Sp)  |
| CEES    | 5883   | Environmental Modeling                     | Prerequisite: MATH 3113, graduate standing or instructor permission. Introduction to theoretical and practical issues of computer-based environmental modeling. Covers problem formulation, implementation, and application. Topical areas include conceptualizing problems, conservation laws, partial differential equations, numerical methods, and applications ranging from coastal hydrodynamics to contaminant transport. Emphasis on understanding the model process rather than using "canned" models. (F) |
| CEES    | 5903   | Remote Sensing Hydrology                   | Prerequisite: senior standing, or graduate standing, or permission of instructor. Overview of various orbital satellite platforms/sensors and introduces advances in remote sensing hydrology from space-borne observations, state-of-the-art retrieval algorithms for hydrological variables, and ground validation strategies. Required for Hydrology minors. (Sp)  |
| CEES    | 5933   | Climate Change, Water, and Natural Hazards | Prerequisite: senior standing, or graduate standing, or permission of instructor. A workshop style course for undergraduate and graduate students who wish to have a correct understanding of the Earth's climate history, climate variability, and climate extremes. With an overview of the climate change's causes, effects, and solutions, this course further examines how abrupt climate changes impact on natural hazards occurrences and water sustainability. (F)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| CEES    | 5953   | Computational Hydrology and Water Resource System | (Crosslisted with GIS 5953) Prerequisite: senior or graduate standing, or permission of instructor. Covers fundamental theory and modeling of hydrological processes and basin-based water systems. Emphasis is placed on the application of quantitative methods to the analysis of interactions of hydrology, engineering, and socioeconomics in regional water resources systems. Users will learn how to solve a range of problems from simple linear hydrologic system, multi-objective optimization and distributed model calibration, to fairly complex energy flux and water balance in hydrology and water cycle. MATLAB is used to better understand and analyze numerical solutions for nonlinear hydrologic systems. (F) |
| CEES    | 5960   | Directed Readings                                 | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| CEES    | 5970   | Special Topics/Seminar                            | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| CEES    | 5980   | Research for Master's Thesis                      | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| CEES    | 5982   | CEES Non-Thesis Project                           | Prerequisite: graduate standing and instructor permission. This is for all CEES non-thesis students to take as their final project for their non-thesis defense. Each student with their faculty advisor will determine what the project will cover. Each student will be required to develop an oral presentation about his/her written project. (F, Sp, Su)  |
| CEES    | 5990   | Independent Study                                 | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| CEES    | 5999   | Graduate Level Transfer Credit                    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| CEES    | 6210   | Environmental Science Special Topics              | 1 to 6 hours. Prerequisite: graduate standing. May be repeated with change of topic; maximum credit four hours for master's candidate, six hours for a doctoral candidate. Research-oriented problems dealing with current topics of special interest in environmental science. (F, Sp, Su)  |
| CEES    | 6663   | Advanced Finite Element Methods                   | (Crosslisted with AME 6663) Prerequisite: 5763. Selected topics such as: nonlinear material problems, plasticity, creep (visco-plasticity), fracture, etc.; geometrically nonlinear problems, large displacement and structural stability; dynamic problems and analytical solution procedures; soil-structure interactions; application of finite element method to fluid and heat transfer problem. (Irreg.)   |
| CEES    | 6960   | Directed Readings                                 | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| CEES    | 6970   | Special Topics/Seminar                            | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)   |
| CEES    | 6980   | Research for Doctoral Dissertation                | 2 to 16 hours. (F, Sp, Su)   |
| CEES    | 6990   | Independent Study                                 | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| CELO    | 1999   | Lower Division Transfer Credit                    | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| CELO    | 2000   | Freshman and/or Sophomore Secondary Cello             | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| CELO    | 2020   | Cello for Music Majors: Freshman/Sophomore            | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| CELO    | 3440   | Mentored Research Experience                          | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| CELO    | 3999   | Upper Division Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| CELO    | 4000   | Junior and/or Senior Secondary Cello                  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| CELO    | 4020   | Cello for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: Majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| CELO    | 5000   | Master's-Level Secondary Cello                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| CELO    | 5010   | Master's-Level Cello for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| CELO    | 5020   | Master's-Level Cello For Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| CELO    | 5999   | Graduate Level Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| CELO    | 6000   | Doctoral Secondary Cello                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| CELO    | 6010   | Doctoral Cello for Non-Performance Music Majors       | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| CELO    | 6020   | Doctoral Cello for Performance Majors                 | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| CH E    | 1999   | Lower Division Transfer Credit                        | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| CH E    | 2002   | Introduction to Chemical Engineering Computing | Prerequisite: MATH 1823 or 1914 or concurrent enrollment. Introduction to engineering computing and programming using prevalent engineering computing software; program design and development; computer application exercises in engineering. (F, Su)  |
| CH E    | 2033   | Chemical Engineering Fundamentals              | Prerequisite: Chemistry 1415 or 1425 or equivalent. Material balances involving physical equilibria and chemical reaction; energy balances; gas behavior including vapor pressure and Raoult's Law. (F)   |
| CH E    | 2133   | Sustainable Energy for the Future              | Prerequisite: CHEM 1415 and MATH 1823 or 1914 or equivalent or permission of instructor. The course will begin by reviewing the history of supply and use of energy through the 19th and 20th century and the transition from coal to wood to oil, gas and nuclear. It will cover the existing and potential energy supplies for the future and discuss their positive and negative impacts, including environmental impacts. This will include the potential for a new generation of nuclear power, wind, solar, and biomass. (Irreg.) |
| CH E    | 2281   | Engineering Co-Op Program                      | (Crosslisted with AME, CEES, C S, ECE, ENGR, EPHY, G E, I E, P E 2281) Prerequisite: student participation in the program. The Co-Op program provides student placement in jobs outside the university, but in a position related to the student's major. On completion of a semester work period, the student submits a brief written report. One hour of credit (elective) granted for each work period, with a maximum credit of six hours. (F, Sp, Su)  |
| CH E    | 3113   | Momentum, Heat and Mass Transfer I             | Prerequisite: CH E 2033; MATH 2443 or 2934 or concurrent enrollment in 2443 or 2934; completion or concurrent enrollment in PHYS 2524 and completion or concurrent enrollment in MATH 3113. The common mathematical and physical basis of these processes is presented. Calculation methods for all three processes are developed. Design procedures of equipment for fluid flow, heat transfer and diffusional processes are given. (Sp)   |
| CH E    | 3123   | Momentum, Heat and Mass Transfer II            | Prerequisite: CH E 3113 and MATH 3113 or concurrent enrollment in MATH 3113. The common mathematical and physical basis of these processes is presented. Calculation methods for all three processes are developed. Design procedures of equipment for fluid flow, heat transfer and diffusional processes are given. (F)   |
| CH E    | 3313   | Structure and Properties of Materials          | Prerequisite: CHEM 1415 or CHEM 1425, PHYS 2524, and CHE 3473 or instructor permission. The behavior of materials under various conditions and environments is correlated to atomic and molecular structure and bonding. (Sp)   |
| CH E    | 3333   | Separation Processes                           | Prerequisite: 3123, 3473, 3723. Coverage of the fundamentals and modeling techniques of various separation processes found in the chemical process industries. Discussion of various computational approaches for binary and multicomponent separations; factors affecting efficiency, capacity and energy requirements. (Sp)   |
| CH E    | 3432   | Unit Operations Laboratory                     | Prerequisite: CH E 3123, CH E 3333 or concurrent enrollment in CH E 3333, and CH E 3473. Experimental examination of processes involving fluid flow, heat and mass transfer, kinetics and process control. Process parameters and physical properties are measured. Results are presented in written reports and oral presentations. Laboratory. (Sp)   |
| CH E    | 3440   | Mentored Research Experience                   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| CH E    | 3473   | Chemical Engineering Thermodynamics            | Prerequisite: CH E 2033, CH E 3113, MATH 2443 or 2934. Application of the first and second laws of thermodynamics to the analysis of phase change, solution behavior and chemical equilibria and reaction. (F)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| CH E    | 3723   | Numerical Methods for Engineering Computation | Prerequisites: CHE 2002 (or concurrent enrollment in CHE 2002) and Mathematics 3113 or 3413. Course uses specific software applications tailored toward chemical engineering. Basic methods for obtaining numerical solutions with a digital computer. Included are methods for the solutions of algebraic and transcendental equations, simultaneous linear equations, ordinary and partial differential equations, and curve fitting techniques. The methods are compared with respect to computational efficiency and accuracy. Any student who earns credit for CH E 3723 cannot receive duplicate credit for AME 3723, C S 3723, or P E 3723. This course may not be taken for graduate credit within the College of Engineering. (F) |
| CH E    | 3960   | Honors Reading                                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers materials not usually presented in the regular courses. (F, Sp, Su)  |
| CH E    | 3980   | Honors Research                               | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work on a special project in the student's field. Laboratory (F, Sp, Su)  |
| CH E    | 3990   | Undergraduate Research Experience             | Prerequisite: permission of instructor. May be repeated; maximum credit six hours. Individual research projects for undergraduates in Chemical Engineering before their junior year, and for high performing undergraduates not in the Honors Program. (F, Sp, Su)   |
| CH E    | 3999   | Upper Division Transfer Credit                | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| CH E    | 4153   | Process Dynamics and Control                  | Prerequisite: 4473. Formulation of first-order models for storage tanks, chemical reactors and heated, stirred tanks; transient and steady-state process dynamics; three-mode control of unit operations; higher-order systems and counter-current operations; analog simulation and digital control of chemical processes. (F)  |
| CH E    | 4253   | Process Design & Safety                       | Prerequisite: CH E 3333, CH E 4473. Processes and process equipment design including safety considerations; technical design of units combined into plants. (F)  |
| CH E    | 4262   | Chemical Engineering Design Laboratory        | Prerequisite: CH E 3432 and CH E 4253 or concurrent enrollment in CH E 4253. Experimental techniques for the acquisition of pilot plant data, using unit operations equipment and reactors for use in process design. Results are presented in written reports and oral presentations. Laboratory. (F)   |
| CH E    | 4273   | Advanced Process Design                       | Prerequisite: CH E 3333, CH E 4253, CH E 4262, CH E 4473, CH E 4153. Process and process equipment design, complete design of process plants including complete flow sheets, estimated plant costs, costs of process development, economics of investment. Results are presented in written reports and oral presentations. (Sp) [V]   |
| CH E    | 4473   | Kinetics                                      | Prerequisite: 3473, 3723, Mathematics 3113. Fundamentals of rates, homogeneous isothermal reactions, non-isothermal reactions, reactors and design, heterogeneous reactions, fixed and fluidized bed reactors, experimental data reduction, non-ideal flow reaction systems. (Sp)  |
| CH E    | 4960   | Directed Readings                             | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| CH E    | 4970   | Special Topics/Seminar                        | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| CH E    | 4980   | Senior Research                               | 1 to 4 hours. Prerequisite: senior standing, permission. Selected students work with individual faculty members on research problems. Laboratory (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| CH E    | 4990   | Independent Study  | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| CH E    | 5143   | Multi Scale Modeling of Matter                           | Prerequisite: graduate standing or permission of the instructor. The course is suitable for students who are already familiar with classical thermodynamics, differential and integral calculus. This course covers multiscale modeling methods at atomistic and meso scales. By a combination of method discussions and hands-on tutorials, students will learn fundamentals of structures and properties of matter. Both molecular dynamics simulation and Monte Carlo method will be discussed in detail. (F) |
| CH E    | 5163   | Heterogeneous Catalysis                                  | Prerequisite: CH E 4473; graduate standing or instructor permission. Physical characterization of heterogeneous catalysts; catalytic activity of metals, semiconductors, solid acids, and shape-selective materials. Theories of catalytic activity, catalytic reactors, basics of catalyst surface characterization and activity measurement. (F)   |
| CH E    | 5183   | Graduate Transport Phenomena                             | Prerequisite: 3123. Fundamentals of the theory of transport process; heat, mass, momentum transfer combined with chemical reactions, derivation of different equations to describe processes and process units, analytical and numerical solutions of systems of describing equations. (F)   |
| CH E    | 5203   | Bioengineering Principles                                | (Crosslisted with AME 5203 and BME 5203) Prerequisite: Mathematics 3113 and Physics 2524. Principles of bioengineering for the areas of the biomechanics of solids and fluids, mass transfer, biomaterials, electrical networks, imaging, and ionizing radiation as they apply to the human body. (F)  |
| CH E    | 5243   | Biochemical Engineering                                  | Prerequisite: 3123 or permission. Current bioprocesses for reaction and separation with emphasis on fundamental principles of chemical engineering, biochemistry and microbiology. (Irreg.)  |
| CH E    | 5293   | Transport in Biological Systems                          | (Crosslisted with AME 5293 and BME 5293) Prerequisite: 3123 or permission of instructor. Theoretical and practical aspects of transport phenomena in living organisms and biomedical technologies. Applications include hemorheology, drug delivery, extracorporeal circulation, and artificial organs. (Irreg.)   |
| CH E    | 5373   | Tissue Engineering                                       | Prerequisite: graduate standing or permission of instructor. Examines the background and recent advances in the science of combining multiple cell types with an appropriate support to provide a construct that can replace or support damaged tissue. (Irreg.)   |
| CH E    | 5453   | Polymer Science  | Prerequisite: graduate standing or permission. Nomenclature, synthesis, structure and properties of high polymers, survey of production, processing and uses of commercial polymeric materials. (Sp)   |
| CH E    | 5463   | Polymer Processing                                       | Prerequisite: senior or graduate standing. The theory and practice of the production of finished polymer shapes (tubes, sheets, fibers, bottles, etc.) from polymeric raw materials. (Alt. F)  |
| CH E    | 5480   | Seminar In Selected Topics In Chemical Engineering       | Prerequisite: permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. Seminar course in specialized topics in chemical engineering. (Irreg.)   |
| CH E    | 5513   | Surface Characterization                                 | Prerequisite: graduate standing or permission of instructor. Characterization of surfaces by (i) modern methods of instrumental analysis including diffraction, microscopic techniques, electron and ion spectroscopies and by (ii) absorption methods including physis- and chemisorption, combined with calorimetry, spectroscopy and temperature-programmed experiments. (Irreg.)   |
| CH E    | 5523   | Advanced Mathematical Methods in Science and Engineering | (Crosslisted with METR 5523) Prerequisite: graduate standing, CH E 3113 and MATH 2443 or MATH 2934. Scale and vector field theory. Ordinary and partial differential equations. Matrix algebra. Complex analysis. (F)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| CH E    | 5533   | Materials Design for Energy Application         | Prerequisite: graduate standing or department permission. This course is focused on electrochemical engineering and its application in several energy-related research areas such as lithium ion batteries, fuel cells, and water electrolysis and photolysis. We will introduce basic principles of electrochemistry and materials science and discuss various issues in these energy-related applications and how to address them from a materials science and engineering perspective. (Irreg.)   |
| CH E    | 5563   | Properties and Applications of Porous Materials | Prerequisite: graduate standing or permission of instructor. Introduces the structure-properties relationships of several porous media (e.g. carbon nanotubes, zeolites, xerogels, etc.) with the intent of surveying some of the most important applications for each material. Includes discussion as to how experimental and theoretical tools are currently employed to investigate synthesis and properties of porous materials. (Irreg.)   |
| CH E    | 5643   | Natural Gas Utilization                         | Prerequisite: graduate standing or permission of instructor. Covers the uses of natural gas for combustion, power, LNG, gas conversion to chemicals and fuels, and gas transportation. (Alt. F)  |
| CH E    | 5673   | Colloid and Surface Science                     | (Crosslisted with CEES 5673) Prerequisite: graduate standing or permission of instructor. Capillarity, surface thermodynamics, adsorption from vapor and liquid phases, contact angles, micelle formation, solubilization, emulsions and foams. Applications to be discussed include detergency, enhanced oil recovery and adsorption for pollution control. (Irreg.)  |
| CH E    | 5723   | Biosensors                                      | Prerequisite: graduate standing or permission of instructor. Introduction to the fundamental principles of biosensors within the medical field. Topics covered include electrochemical sensing potentiometric and amperometric biosensors, fiberoptic biosensors, immobilization of biorecognition molecules (enzymes, antibodies, receptor proteins), semiconductor electrodes and ion-selective electrodes. (Irreg.)   |
| CH E    | 5823   | Advanced Numerical Methods                      | Prerequisite: CH E 3723 or equivalent and CH E 2002 or other introductory programming course or Permission of the Instructor or Graduate Standing. Students will learn numerical techniques not normally covered in undergraduate numerical methods courses, such as Romberg Integration, Chebyshev interpolation, and automatic step-size adjustment for numerical integration. Students will improve their proficiency in formulating the numerical solution to a mathematical problem using Excel with Visual Basic (VB). Students will develop a self-directed project involving numerical solution of a significant problem of interest to them personally or in their research. (Irreg.) |
| CH E    | 5843   | Advanced Chemical Engineering Thermodynamics    | Prerequisite: 3473 or permission. Advanced thermodynamics as applied to engineering problems and design. (F)   |
| CH E    | 5960   | Directed Readings                               | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| CH E    | 5970   | Special Topics/Seminar                          | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| CH E    | 5971   | Seminar in Chemical Engineering Research        | May be repeated; maximum credit four hours for the master's degree, 10 hours for the doctoral degree. Speakers from academia and industry elaborate on methods and results from research in their areas of expertise to provide the student with an appreciation of the problems of current interest in chemical engineering. (F, Sp)  |
| CH E    | 5980   | Research for Master's Thesis                    | Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. Laboratory (F, Sp, Su)   |
| CH E    | 5990   | Independent Study                               | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |



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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| CH E    | 5999   | Graduate Level Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| CH E    | 6723   | Advanced Kinetics and Reaction Engineering | Prerequisite: 4473 or graduate standing. Understanding and analysis of complex kinetics and reactor systems: free radical and cracking reactions, polymerization, biokinetics and catalytic kinetics with mass heat transfer limitations. Advanced reactor systems such as a catalytic fixed bed reactors in one- and two-dimensions, equilibrium limited reaction systems, fluidized and trickle bed reactors, etc. are considered. (F)  |
| CH E    | 6960   | Directed Readings                          | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| CH E    | 6970   | Special Topics/Seminar                     | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| CH E    | 6980   | Research for Doctoral Dissertation         | Laboratory (F, Sp, Su)  |
| CH E    | 6990   | Special Chemical Engineering Problems      | 1 to 2 Hours. Prerequisite: permission. May be repeated; maximum credit four hours. Special research problems are pursued by the students either as individuals or as a group under staff direction. (F, Sp, Su)  |
| CHEM    | 1315   | General Chemistry                          | Prerequisite: Mathematics 1503 or 1643, or math ACT equal to or greater than 23. General Chemistry is an overview of the chemical basis of natural phenomena. First of a two-semester sequence in general chemistry. Topics covered: basic measurement, atomic theory, electron configuration, periodicity, chemical reactivity and energetics, stoichiometry, gas laws and changes in state, bonding and molecular structure. A student may not receive credit for this course and CHEM 1335. Laboratory. (F, Sp, Su) [II-LAB]   |
| CHEM    | 1335   | General Chemistry I: Signature Course      | Prerequisite: 2 years high school chemistry, OR AP Chemistry, OR 4 years high school science and 4 years high school math. General Chemistry is an overview of the chemical basis of natural phenomena. First of a two-semester sequence which prepares students for higher level courses and research. Topics covered include atomic and molecular structure, chemical reactions, basic thermodynamics, and properties of gases, liquids, solids and solutions including select stoichiometric and quantitative analysis. A student may not receive credit for this course and CHEM 1315. Laboratory. (F, Sp)          |
| CHEM    | 1415   | General Chemistry (Continued)              | Prerequisite: CHEM 1315 with a minimum grade of C or CHEM 1335 with a minimum grade of C or a satisfactory score on the chemistry placement examination. Topics covered include thermochemistry, equilibrium, thermodynamics, acid and base properties, kinetics and electrochemistry. A student may not receive credit for this course and CHEM 1435. Laboratory. (F, Sp, Su) [II-LAB]   |
| CHEM    | 1425   | Advanced General Chemistry (HONORS)        | Prerequisite: Admission to Honors Program; STEM major and four years of high school math and 1 year high school chemistry, or permission of instructor. Designed for STEM majors well prepared in high school chemistry and math. Topics covered at an advanced level of understanding. The topics include: nature of solutions, equilibrium, thermodynamics, acid and base properties, kinetics and electrochemistry, gas laws and changes in state, molecular structure. Laboratory. (F) [II-LAB]   |
| CHEM    | 1435   | General Chemistry II: Signature Course     | Prerequisite: grade of C or better in CHEM 1315 or CHEM 1335 or satisfactory score on the chemistry placement examination. General Chemistry is an overview of the chemical basis of natural phenomena. Second of a two-semester sequence which prepares students for higher-level courses and research. Topics covered include chemical kinetics and thermodynamics including calorimetry, equilibria, electrochemistry, nuclear chemistry, ionic salts, properties of acids and bases, and acid-base reactions including buffers. A student may not receive credit for this course and CHEM 1415. Laboratory. (F, Sp) |
| CHEM    | 1999   | Lower Division Transfer Credit             | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| CHEM    | 2970   | Special Topics/Seminar                            | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |
| CHEM    | 3005   | Quantitative Analysis                             | Prerequisite: CHEM 1415 or CHEM 1425 or equivalent. Analysis by quantitative procedures. Laboratory (F, Sp)   |
| CHEM    | 3033   | Chemistry in Art                                  | Prerequisite: ENGL 1213 or EXPO 1213 or equivalent. The major objectives of the new course are to provide an understanding of fundamental scientific principles within an art context and to enable the student to comprehend and to communicate their understanding of the "stuff of art." A particular emphasis will be placed on understanding materials used during the Italian Renaissance. (Irreg.) [II-NL]   |
| CHEM    | 3053   | Organic Chemistry I: Biological Emphasis          | Prerequisite: CHEM 1415 or CHEM 1425. Intended for life science majors. First course in a two-semester sequence (3053 and 3153). This course will cover the concepts of organic structure, nomenclature, and reactivity with an emphasis on biological applications. (F, Sp, Su)  |
| CHEM    | 3064   | Organic Chemistry I                               | Prerequisites: CHEM 1415 or CHEM 1425. Intended for chemistry and biochemistry majors. First course in a two-semester sequence (3064 and 3164). This course will cover the concepts of organic structure, nomenclature, reactivity, and synthesis. The laboratory will use selected experiments to develop the fundamental techniques used in organic research including utilization of spectroscopy and to demonstrate the application of the scientific approach to laboratory work. Laboratory (F) |
| CHEM    | 3152   | Organic Chemistry Laboratory: Biological Emphasis | Prerequisite: CHEM 3053 or concurrent enrollment. Intended for life science majors. Laboratory course designed to accompany CHEM 3053 and CHEM 3153. Selected experiments designed to illustrate the fundamental techniques used in organic chemistry, to develop familiarity with the properties of organic compounds and to introduce analytical techniques including spectroscopy. (F, Sp, Su)   |
| CHEM    | 3153   | Organic Chemistry II: Biological Emphasis         | Prerequisite: CHEM 3053 with a grade of C or better. Intended for life science majors. Second course in a two-semester sequence (3053 and 3153). This course will cover the concepts of organic chemical reactivity with an emphasis on carbohydrates, lipids, and proteins. (F, Sp, Su)  |
| CHEM    | 3164   | Organic Chemistry II                              | Prerequisite: CHEM 3064, or both CHEM 3053 and CHEM 3152; with a grade of C or better. Intended for chemistry and biochemistry majors. Second course in a two-semester sequence (3064 and 3164). This course will continue the development of organic chemical reactivity, with an emphasis on synthesis, polymers, and biomolecules. The laboratory will use selected experiments to continue the development of techniques used in organic research with an emphasis on synthesis. Laboratory (Sp)  |
| CHEM    | 3421   | Physical Chemistry Laboratory                     | Prerequisite: 3423 or concurrent enrollment. Physicochemical measurements and calculations. (F, Sp, Su)   |
| CHEM    | 3423   | Physical Chemistry I                              | Prerequisite: CHEM 1415 or CHEM 1425; MATH 2423 or MATH 2924 or concurrent enrollment. States of matter, chemical thermodynamics, equilibria, etc. (F, Sp, Su)  |
| CHEM    | 3440   | Mentored Research Experience                      | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)                         |
| CHEM    | 3451   | Basic Physical Chemistry Laboratory               | Prerequisite: 3453 or concurrent enrollment. Laboratory application of physical chemical principles and techniques. (F, Sp)   |
| CHEM    | 3453   | Basic Physical Chemistry                          | Prerequisite: 1415 or 1425; Mathematics 2423; Physics 2524 or 2424. The application of physical chemical principles and methods. (F, Sp)  |
| CHEM    | 3521   | Physical Chemistry Laboratory                     | Prerequisite: CHEM 3523 or concurrent enrollment and CHEM 3421 with a grade of C or better. To perform experiments which illustrate important principles in physical chemistry. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| CHEM    | 3523   | Physical Chemistry II                                | Prerequisite: 3423 with a grade of "C" or above. Continuation of 3423. Kinetics, electrochemistry, atomic and molecular states of matter, etc. (F, Sp)  |
| CHEM    | 3653   | Introduction to Biochemistry                         | Prerequisite: CHEM 3013, CHEM 3053, or CHEM 3064. Chemistry of proteins, carbohydrates, lipids, and nucleic acids; enzyme kinetics; biochemical energetics; intermediary metabolism; regulatory processes. (F)  |
| CHEM    | 3753   | Introduction to Biochemical Methods                  | Prerequisite: 3653 or concurrent enrollment. A survey of current and routinely used methods in biochemistry. Students attend lecture twice weekly and a three-hour lab per week. Laboratory (Sp)  |
| CHEM    | 3960   | Honors Reading                                       | 1 to 3 hours. Prerequisite: permission of instructor and permission of Honors College. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| CHEM    | 3970   | Honors Seminar                                       | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. The projects covered in this course will vary. The content will deal with concepts not usually presented in regular coursework. (Irreg.)  |
| CHEM    | 3980   | Honors Research                                      | 1 to 3 hours. Prerequisite: permission of instructor and permission of Honors College. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| CHEM    | 3990   | Independent Study                                    | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| CHEM    | 3999   | Upper Division Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| CHEM    | 4023   | Instrumental Methods of Chemical Analysis            | Prerequisite: CHEM 3005. Introduction to instrumental methods of analysis, with emphasis upon electrometric and spectroscopic techniques and instruments. Includes sampling procedures, requirements of reagents and standards, and evaluation of errors. No student may earn credit for both 4023 and 5023. (F)  |
| CHEM    | 4033   | Instrumental Methods of Chemical Analysis Laboratory | Prerequisite: 4023. Selected experiments illustrating the principles developed in 4023. Two four and a half hour laboratories per week. Laboratory (Sp)   |
| CHEM    | 4232   | Laboratory Glassblowing                              | (Crosslisted with EPHY 4232) Prerequisite: permission. Discussion of materials and techniques with demonstrations of procedures. Exercises will be performed in the laboratory with a special emphasis upon the different types of seals required in the construction of glass apparatus. One hour of lecture and three hours of laboratory will be scheduled each week. (F, Sp)  |
| CHEM    | 4333   | Advanced Inorganic Chemistry-Periodic System         | Prerequisite: CHEM 3053 or CHEM 3064. A survey of all elements and important compounds based on atomic structure and position in the Periodic System; effect of atomic size, ionic size and charge on the properties of elements. Inorganic nomenclature. (F)   |
| CHEM    | 4444   | Advanced Synthesis and Spectral Characterization     | Prerequisite: CHEM 3164, or both CHEM 3152 and CHEM 3153. Lectures cover spectroscopic analysis, thermodynamics of synthesis and fundamentals of advanced techniques, and hands-on spectroscopic identification of reaction products. Two lecture and six laboratory hours per week. Laboratory (Sp)  |
| CHEM    | 4753   | Principles of Biochemistry I                         | Prerequisite: CHEM 3153 or CHEM 3164, CHEM 3423 or CHEM 3453, CHEM 3653 or equivalent. The first semester of a two-semester sequence covering the fundamental principles of protein structure and function, enzymology, carbohydrate and lipid metabolism, biochemical energetics, membranes, nucleic acid and protein metabolism, information transfer and the genetic code, and the interdependence of biochemical pathways. (Sp) |

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| Subject | Number | Title                            | Course Description   |
|---------|--------|----------------------------------|--|
| CHEM    | 4913   | Senior Thesis                    | Prerequisite: permission of instructor and permission of department. Capstone Course. Research project, theoretical or experimental, to be arranged with individual faculty member, leading to a senior thesis. Each student will present an oral report in a lecture presentation or poster format to an audience of students and faculty. Laboratory (F, Sp) [V]                               |
| CHEM    | 4923   | Senior Project                   | Prerequisite: permission of instructor and permission of department. Capstone Course. Topics of current interest and importance in chemistry or biochemistry, requiring indepth reading or individual laboratory work, extensive literature search, and report writing. Laboratory (F, Sp) [V]   |
| CHEM    | 4933   | Current Topics in Biochemistry   | Prerequisite: CHEM 3653, CHEM 3753, and one semester of physical chemistry with lab. Capstone course for biochemistry majors. Topics of current interest in biochemistry. Students will attend lectures and will be involved in literature search, group discussion, oral presentation, laboratory work, and report writing. Laboratory (Sp) [V]   |
| CHEM    | 4960   | Directed Readings                | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| CHEM    | 4970   | Special Topics/Seminar           | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| CHEM    | 4980   | Undergraduate Research           | Prerequisite: permission of instructor. May be repeated; maximum credit six hours. Provides an opportunity for student to work on a special project under the supervision of faculty in the student's field. (F, Sp, Su)   |
| CHEM    | 4990   | Independent Study                | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| CHEM    | 5001   | Practicum in Chemical Education  | Prerequisite: graduate standing in the Department of Chemistry and Biochemistry, or permission of instructor. Explores the pedagogical issues associated with teaching chemistry at the undergraduate level. Includes: administration of instruction, student and teacher behavior, goals of instruction, instructional strategies, student thinking processes, problem solving and grading. (F) |
| CHEM    | 5011   | Fundamentals I                   | Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. Designed to provide all students entering the graduate program with the skills required to succeed in the Ph.D. program. (F)  |
| CHEM    | 5021   | Fundamentals II                  | Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. Designed to provide all first-year graduate students with the skills required to succeed in the Ph.D. program. (Sp)   |
| CHEM    | 5080   | Laboratory Rotations             | 1 to 2 hours. Prerequisite: graduate standing in the Department of Chemistry and Biochemistry. May be repeated; maximum credit 3 hours. Seven-week rotations per credit hour in research laboratories, normally during the first semester of graduate school. (F, Sp)  |
| CHEM    | 5090   | Departmental Colloquium          | Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. Enrollment is expected during each semester of graduate study. Oral presentations on recent developments in chemistry and biochemistry by invited speakers, faculty, advanced graduate students, and postdoctoral fellows. (F, Sp)  |
| CHEM    | 5100   | Instrumental Methods of Analysis | 1 to 3 hours. Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Core course for the Analytical Program. Topics will provide an overview of various instrumental methods employed for qualitative and quantitative chemical analysis. (F, Sp)                          |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| CHEM    | 5110   | Spectroscopic Chemical Analysis                         | 1 to 3 hours. Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Core course for the Analytical Program. Theory and operation of instruments employed for optical spectroscopy. (F, Sp)   |
| CHEM    | 5120   | Separation Methods                                      | 1 to 3 hours. Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Core course for the Analytical Program. Basic principles underlying methods employed for chemical separations with emphasis on chromatographic methods. (F, Sp)  |
| CHEM    | 5160   | Special Topics in Analytical Chemistry: Instrumentation | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5100, or permission of instructor. May be repeated with change of content; maximum credit 12 hours. Selected topics will focus on instrumentation and applications of selected chemical analysis techniques. (Irreg.)  |
| CHEM    | 5170   | Special Topics in Analytical Chemistry: Methodology     | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5100, or permission of the instructor. May be repeated with change in subject matter for a maximum of 12 credit hours. Selected topics will focus on details of specific methodologies employed for chemical analysis. (Irreg)   |
| CHEM    | 5180   | Practicum in Analytical Chemistry                       | 1 to 2 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5100, or permission of the instructor. May be repeated with change of content; maximum credit four hours. Study and training in practical methods relevant to analytical chemistry. (F, Sp)  |
| CHEM    | 5191   | Seminar in Analytical Chemistry                         | Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. May be repeated; maximum credit 12 hours. Oral presentations and discussions of topics relevant to the current state-of-the-art in analytical chemistry research. (F, Sp)  |
| CHEM    | 5200   | Principles of Biochemistry                              | 1 to 3 hours. Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Core course for graduate Biochemistry Program. Fundamental principles of biomolecules, protein structure and function, enzymology, carbohydrate and lipid metabolism, nucleic acid and protein metabolism, membranes and signal transduction, expression and transmission of genetic information, and the interdependence of biochemical pathways. (F, Sp) |
| CHEM    | 5210   | Molecular Biology                                       | 1 to 3 hours. Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Core course for graduate Biochemistry Program. Characteristics and biological functions of nucleic acids and proteins in living cells with emphasis on nucleic acid replication, transcription, translation and regulation; also emphasis on the molecular aspects of genetic engineering/recombinant DNA technology. (F, Sp)                              |
| CHEM    | 5240   | Biochemical and Biophysical Methods                     | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5200, or permission of the instructor. Basic principles and practical applications of the analytical and preparative techniques used in current biochemical and biophysical research. (F, Sp)  |
| CHEM    | 5260   | Special Topics in Biochemistry I                        | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5240, or permission of the instructor. May be repeated with change of content; maximum credit 12 hours. Selected contemporary topics that investigate the frontiers of knowledge in biochemistry. (Irreg.)   |
| CHEM    | 5270   | Special Topics in Biochemistry II                       | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5240, or permission of the instructor. May be repeated with change of content; maximum credit 12 hours. Selected contemporary topics that focus on applications of biochemical knowledge. (Irreg.)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| CHEM    | 5280   | Practicum in Biochemistry                        | 1 to 2 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5240, or permission of the instructor. May be repeated with change of content; maximum credit four hours. Study and training in practical methods relevant to biochemistry. (F, Sp)   |
| CHEM    | 5291   | Seminar in Biochemistry                          | Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. May be repeated; maximum credit 12 hours. Research seminar in which graduate students and invited speakers present and discuss current advances in biochemical research. (F, Sp)  |
| CHEM    | 5300   | Intermediate Inorganic Chemistry                 | 1 to 3 hours. Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Fundamental concepts and an introduction to modern inorganic chemistry. Topics may include: atomic structure and relation to properties of the elements, bonding theory, coordination and bioinorganic compounds, organometallic compounds and catalysis, symmetry and applications to spectroscopy, magnetic materials. (F, Sp)  |
| CHEM    | 5330   | Advanced Inorganic Chemistry                     | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5300, or permission of instructor. May be repeated with change of content; maximum credit 12 hours. For students majoring in inorganic chemistry. Selected topics for this course may include: physical and experimental methods in inorganic chemistry, modern spectroscopic methods in inorganic chemistry, bioinorganic and organometallic reactions, advanced kinetics and inorganic reaction mechanisms, catalysis, and advanced experimental design for mechanistic evaluation. (F, Sp)   |
| CHEM    | 5360   | Frontiers in Inorganic Chemistry                 | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5300, or permission of instructor. May be repeated with change of content; maximum credit 12 hours. Selected topics concerning the theory, synthesis, reactivity and applications of inorganic and coordination compounds. Topics may include: computational chemistry, electrochemistry, metals in biology and medicine, industrial and biological main group chemistry, environmental chemistry, applications of inorganic compounds in alternative energy (nuclear cycle, hydrogen cycle, photovoltaics), and inorganic materials science (metal-organic frameworks, metallopolymers, inorganic polymers). (F, Sp) |
| CHEM    | 5380   | Practicum in Inorganic Chemistry                 | 1 to 2 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5300, or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Study and training in practical methods relevant to inorganic chemistry. (F, Sp)   |
| CHEM    | 5391   | Seminar in Inorganic Chemistry                   | Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5300, or permission of instructor. May be repeated; maximum credit 12 hours. Graduate student research seminar and related activities, with a selection of topics related to research preparation and research outcomes. (F, Sp)  |
| CHEM    | 5400   | Organic Chemistry I: Mechanisms and Reactivity   | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Core course for graduate Program of Study in Organic Chemistry. Introduction to the study of organic reaction mechanisms and reactivity. (F, Sp)  |
| CHEM    | 5430   | Organic Chemistry II: Reactions and Synthesis    | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5400, or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Core course for graduate Program of Study in Organic Chemistry. Detailed treatment of reactions used in organic synthesis and the design of synthetic strategy. (F, Sp)  |
| CHEM    | 5450   | Structural Characterization of Organic Compounds | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5400, or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Application of current methods to problems of structure determination in organic chemistry. (F, Sp)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| CHEM    | 5460   | Special Topics in Chemical Reactivity and Physical Organic Chemistry | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5400, or permission of instructor. May be repeated with change of content; maximum credit 12 hours. Selected topics in the study and application of specialized chemical reaction methods. Topics may include: theoretical or computational aspects of organic chemistry; advanced study of reaction mechanisms; study and application of novel chemical methods such as photochemical methods, organometallic chemistry, chemical catalysis, reagent design and application. (Irreg.)  |
| CHEM    | 5470   | Special Topics in Bioorganic and Specialized Organic Compounds       | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5400, or permission of instructor. May be repeated with change of content; maximum credit 12 hours. Selected topics in the study and preparation of specialized classes of organic compounds including biologically related aspects of organic chemistry. Topics may include: specialized synthesis and design strategies; medicinal chemistry; study and application of biosynthetic methods; advanced synthetic design for targeted organic compounds; study of specialized classes of compounds including natural products, medicinal compounds, bioactive compounds, polymers, functional materials and devices. (Irreg.) |
| CHEM    | 5480   | Practicum in Organic Chemistry                                       | 1 to 2 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5400, or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Study and training in practical methods relevant to organic chemistry. Topics may include: use of modern instrumental methods for organic structural determination; acquisition and interpretation of spectral data for structural determination; optimization of measurement techniques; specialized preparative laboratory methods; specialized methods for separation and analysis of organic compounds. (F, Sp)  |
| CHEM    | 5491   | Seminar in Organic Chemistry   | Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5400, or permission of instructor. May be repeated; maximum credit 12 hours. Research and literature seminar for presenting and discussing a selection of topics from current literature or research in organic chemistry. (F, Sp)  |
| CHEM    | 5500   | Topics in Quantum Chemistry  | 1 to 3 hours. Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. May be repeated with change of content; maximum credit 6 hours. Review of classical mechanics; introduction to wave mechanics and applications to atoms and molecules. This is a core course for graduate majors. (F, Sp)   |
| CHEM    | 5510   | Topics in Molecular Symmetry   | 1 to 3 hours. Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. May be repeated with change of content; maximum credit 6 hours. Development of the concept of symmetry elements will be followed by the development of point group theory and applications to molecular systems. (F, Sp)  |
| CHEM    | 5520   | Topics in Physical Chemistry Kinetics                                | 1 to 3 hours. Prerequisite: graduate standing in the Department of Chemistry and Biochemistry or permission of instructor. May be repeated with change of content; maximum credit 6 hours. Empirical treatment of reaction rate data, collision and transition state theories of homogeneous and heterogeneous reactions, mechanisms of chemical reactions. (F, Sp)  |
| CHEM    | 5530   | Topics in Statistical Thermodynamics                                 | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5500 or concurrent enrollment, or permission of the instructor. May be repeated with change of content; maximum credit 6 hours. Chemical thermodynamics, statistical thermodynamics, chemical kinetics, applications of quantum chemistry, structure of matter. This is a core course for graduate majors. (F, Sp)  |
| CHEM    | 5550   | Topics in Colloid and Surface Science                                | 1 to 3 hours. Prerequisite: graduate standing in the Department of Chemistry and Biochemistry and CHEM 5500 or CHEM 5520, or permission of instructor. May be repeated with change of content; maximum credit 6 hours. Selected topics related to capillarity, surface physical chemistry, or phenomena in colloidal systems. (F, Sp)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| CHEM    | 5560   | Topics in Nanotechnology and Bionanotechnology | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5500 or CHEM 5520, or permission of instructor. Design and synthesis of nanomaterials. Characterization of nanomaterials using physical and chemical methods. Properties of nanomaterials. Imaging nanomaterials at atomic, molecular and nano scales. New devices designed and fabricated using nanomaterials. Application of nanomaterials to life sciences. Exploitation of biochemistry and biology in developing areas of nanotechnology. (F, Sp) |
| CHEM    | 5570   | Selected Topics in Physical Chemistry          | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5500 or CHEM 5520, or permission of instructor. May be repeated with change of content; maximum credit 12 hours. Studies in special areas of physical chemistry not covered in the regular course curriculum. (F, Sp)  |
| CHEM    | 5580   | Practicum in Physical Chemistry                | 1 to 2 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5500 or CHEM 5520, or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Study and training in practical methods relevant to physical chemistry. (F, Sp)  |
| CHEM    | 5591   | Seminar in Physical Chemistry                  | Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5500 or CHEM 5520, or permission of instructor. May be repeated; maximum credit 12 hours. Participation is required of all graduate students majoring in physical chemistry. Research seminar, with a selection of topics from current or projected research at the University of Oklahoma. Discussion of contemporary topics in physical chemistry and related disciplines. (F, Sp)   |
| CHEM    | 5730   | Macromolecular Crystallography                 | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5210, or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Principles of diffraction, symmetry, reciprocal space, data collection, data reduction and absorption corrections; methods for structure solution and refinement; and interpretation of data and limitations thereof. (F, Sp)   |
| CHEM    | 5740   | Biological NMR Spectroscopy                    | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5210, or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Nuclear magnetic resonance (NMR) spectroscopy as a tool to address biological questions regarding macromolecular structure and dynamics in solution and/or in the solid state. Theory of NMR, chemical shifts and coupling, one-dimensional and multidimensional NMR methods, ligand-binding effects on NMR spectra. (F, Sp)                        |
| CHEM    | 5750   | Macromolecular Structure and Function          | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5200, or permission of instructor. May be repeated with change of content; maximum credit 4 hours. Principles of protein architecture and levels of organization, nucleic acid structure, functional roles of intermolecular interactions, structure-function in protein and nucleic acid complexes. (F, Sp)   |
| CHEM    | 5760   | Special Topics in Structural Biology           | 1 to 3 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5200, or permission of instructor. May be repeated with change of content; maximum credit 12 hours. Content may include the structural basis of signal transduction, structural dynamics, computational methods for biological macromolecules, microscopy, structural basis for gene regulation, and structure-guided drug discovery and design. (Irreg.)  |



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| Subject | Number | Title                              | Course Description  |
|---------|--------|------------------------------------|---|
| CHEM    | 5780   | Practicum in Structural Biology    | 1 to 2 hours. Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5730 or CHEM 5740, or permission of instructor. May be repeated; maximum credit four hours. The X-ray practicum (with CHEM 5730 as prerequisite) will include hands-on crystallization, advanced checkout and operation of X-ray diffractometers, data collection using research samples, structure solution and refinement, and evaluation of crystal structure quality. The NMR practicum (with CHEM 5740 as prerequisite) will include hands-on sample preparation of a biological macromolecule on a research sample, advanced checkout and operation of NMR spectrometers, structure determination and dynamics, and evaluation of structure quality. (F, Sp) |
| CHEM    | 5791   | Seminar in Structural Biology      | Prerequisite: Graduate standing in the Department of Chemistry and Biochemistry and CHEM 5200, or permission of instructor. May be repeated; maximum credit 12 hours. Research seminar in which graduate students and invited speakers present and discuss current advances in structural biology research. (F, Sp)   |
| CHEM    | 5960   | Directed Readings in Chemistry     | 1 to 2 hours. Prerequisite: permission. May be repeated with change of content; maximum credit six hours. Selected from topics of current interest in any of the areas of chemistry. (F, Sp, Su)  |
| CHEM    | 5970   | Special Topics/Seminar             | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| CHEM    | 5980   | Research for Master's Thesis       | Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. (F, Sp, Su)   |
| CHEM    | 5990   | Independent Studies                | 1 to 3 hours. May be repeated with change of subject matter; maximum credit nine hours. Staff members in the student's field of interest supervise research and/or library studies which closes gaps in student's training or builds on this training in specialized areas. (F, Sp, Su)   |
| CHEM    | 5999   | Graduate Level Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| CHEM    | 6960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| CHEM    | 6980   | Research for Doctoral Dissertation | 2 to 16 hours. (F, Sp, Su)  |
| CHEM    | 6990   | Independent Study                  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| CHER    | 1715   | Beginning Cherokee                 | Introduction to the structure of the Cherokee language with special attention to its phonology, morphology, and syntax. Conversational practice, vocabulary-building, and the history and culture of the native speech community also are emphasized. (F, Sp) [I-FL]  |
| CHER    | 1725   | Beginning Cherokee-Continued       | Prerequisite: 1715. A continuation of the study of the structure of the Cherokee language with special attention to its phonology, morphology, and syntax. Conversational practice, vocabulary-building, and the history and culture of the native speech community are emphasized. (Sp) [I-FL]   |
| CHER    | 1999   |                                    | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| CHER    | 2733   | Intermediate Cherokee              | Prerequisite: 1723. A systematic review of the structure of the Cherokee language. Syntactic control and vocabulary expansion are emphasized. Conversational practice and traditional oral texts are used to develop proficiency. (F)   |

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| Subject | Number | Title                            | Course Description  |
|---------|--------|----------------------------------|---|
| CHER    | 3440   | Mentored Research Experience     | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| CHER    | 3999   | Upper Division Transfer Credit   | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| CHER    | 5999   | Graduate Level Transfer Credit   | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| CHEY    | 1713   | Beginning Cheyenne               | Beginning Cheyenne. Introduction To The Structure Of The Cheyenne Language With Special Attention To Its Phonology, Morphology, And Syntax. Conversational Practice, Vocabulary-Building, And The History And Culture Of The Native Speech Community Are Also Emphasized. (F, Sp) [I-FL]  |
| CHEY    | 1723   | Beginning Cheyenne-Continued     | Beginning Cheyenne-Continued. Prerequisite: 1713. A Continuation Of The Study Of The Structure Of The Cheyenne Language With Special Attention To Its Phonology, Morphology, And Syntax. Conversational Practice, Vocabulary-Building, And The History And Culture Of The Native Speech Community Are Emphasized. (F, Sp) [I-FL]  |
| CHEY    | 1999   | Lower Division Transfer Credit   | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| CHEY    | 2733   | Intermediate Cheyenne            | Intermediate Cheyenne. Prerequisite: 1723. A Systematic Review Of The Structure Of The Cheyenne Language. Syntactic Control And Vocabulary Expansion Are Emphasized. Conversational Practice And Traditional Oral Texts Are Used To Develop Proficiency. (F, Sp)  |
| CHEY    | 3440   | Mentored Research Experience     | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| CHEY    | 3999   | Upper Division Transfer Credit   | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| CHEY    | 5999   | Graduate Level Transfer Credit   | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| CHIN    | 1115   | Beginning Chinese                | An elementary course in understanding, speaking, reading and writing Mandarin Chinese. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F) [I-FL]   |
| CHIN    | 1225   | Beginning Chinese (Continued)    | Prerequisite: 1115. Continued training in understanding, speaking, reading and writing elementary Mandarin Chinese. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (Sp) [I-FL]   |
| CHIN    | 1999   |                                  | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| CHIN    | 2113   | Intermediate Chinese             | Prerequisite: 1225. Combination of basic Chinese grammar and vocabulary and their application to spoken and written Mandarin Chinese. (F)   |
| CHIN    | 2223   | Intermediate Chinese (Continued) | Prerequisite: 2113. Continued training in the use of grammar and vocabulary in both spoken and written Mandarin Chinese. (Sp)   |

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| Subject | Number | Title                               | Course Description   |
|---------|--------|-------------------------------------|--|
| CHIN    | 2323   | Intermediate Listening and Speaking | Prerequisite: permission of department. Serves as the prerequisite for Chinese 3113 (Advanced Chinese I.) Assignments and class activities include immersion in daily family-type communication, conversations and functioning in daily business activities, travel and functioning at the intermediate proficiency level. Upon completion, students will have developed the languages skills that will allow them to function with most daily situations in a Chinese-speaking country. (F, Sp) |
| CHIN    | 2970   | Special Topics/Seminar              | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.  |
| CHIN    | 3113   | Advanced Chinese I                  | Prerequisite: CHIN 2223 and CHIN 2323 or equivalent. An integrated advanced course designed to improve skills in the four aspects of learning Mandarin Chinese as a foreign language: listening, speaking, reading, and writing. Emphasis is on the phonetics of standard Mandarin Chinese and conversation on topics in daily life. (F)   |
| CHIN    | 3223   | Advanced Chinese II                 | Prerequisite: 3113 or equivalent. Continue to improve skills in the four aspects of learning Mandarin Chinese as a foreign language: listening, speaking, reading, and writing. Emphasis on composition and advanced-level reading comprehension. (Sp)   |
| CHIN    | 3323   | Advanced Listening and Speaking     | Prerequisite: 2223. Develops listening and speaking skills of students who have taken intermediate Chinese. Conversations are presented in authentic and naturally-paced language. Lessons are constructed to support existing knowledge and develop mastery of new vocabulary, grammatical patterns, and sociocultural formalities in ways that are compatible with genuine communication. (F)  |
| CHIN    | 3440   | Mentored Research Experience        | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)                    |
| CHIN    | 3623   | Business Chinese                    | Prerequisite: permission of department. Designed for students who have completed at least two years basic Chinese language learning and have an interest in business-related communications with Chinese-speaking people. Aims to prepare students with the language skills and cultural knowledge for a globalized economy through learning the vocabulary, usages, customs and conventions required for business activities with China. (F)  |
| CHIN    | 3960   | Honors Reading                      | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| CHIN    | 3970   | Honors Seminar                      | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| CHIN    | 3980   | Honors Research                     | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| CHIN    | 3990   | Independent Study                   | 1 to 3 hours. Prerequisite: two courses in Chinese; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp)  |
| CHIN    | 3999   | Upper Division Transfer Credit      | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| CHIN    | 4113   | Advanced Reading and Writing        | Prerequisite: 3223. Advanced reading and comprehension of authentic Chinese texts. Development of good writing skills with correct usage of grammar. (Sp)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| CHIN    | 4333   | Translating Chinese                        | Prerequisite: CHIN 3113. Assists advanced Chinese major or minor students attain better Chinese-to-English translation skills through practical training and hands-on instruction. The emphasis is on comprehension of original Chinese texts, with particular attention to idioms and expressions. (Irreg.)  |
| CHIN    | 4533   | Topics in Chinese Media                    | Prerequisite: CHIN 3113 or equivalent. Intended for advanced students to enhance their reading/listening proficiency in modern Chinese language and further develop their self-learning skills. Students will be immersed in a simulacrum of Chinese media by reading Chinese news reports; watching Chinese news videos, short films, and TV programs; and using the Chinese encyclopedia. (F) |
| CHIN    | 4543   | Study of Classical Chinese and Calligraphy | Prerequisite: CHIN 3223. Major aspects covered include 1) grammatical structures of classical Chinese compared to modern Chinese; 2) lexical and semantic features of most commonly used words and phrases; 3) reading and understanding of simple texts from the classics; 4) cultural perspectives to appreciate Chinese heritage texts, paintings and calligraphy. (F)                       |
| CHIN    | 4643   | The Study Of Chinese Characters            | Prerequisite: 3223. Major topics of this course are 1) the world's writing systems in comparison with the word writing system of Chinese; 2) the evolution of Chinese characters; 3) the structures of and rules in writing Chinese characters; 4) the pinyin phonetic system for the pronunciation of Chinese characters; and 5) the reform and policy of Chinese characters. (Sp)             |
| CHIN    | 4960   | Directed Readings                          | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| CHIN    | 4970   | Special Topics/Seminar                     | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| CHIN    | 4990   | Independent Study                          | 1 to 3 hours. Prerequisite: four courses in Chinese and general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)                           |
| CHIN    | 4993   | Senior Capstone for Chinese                | Prerequisite: Senior standing or permission of instructor. Designed to serve as the senior capstone experience for the Chinese major. Students will study linguistic theory, technique, and methodology. Includes reading in critical analysis as preparation for writing assignments and final project to be written in Chinese. (F) [V]   |
| CHIN    | 5999   | Graduate Level Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| CHOC    | 1715   | Beginning Choctaw                          | Introduction to the structure of the Choctaw language with special attention to its phonology, morphology, and syntax. Conversational practice, vocabulary-building, and the history and culture of the native speech community also are emphasized. (F, Sp) [I-FL]   |
| CHOC    | 1725   | Beginning Choctaw-Continued                | Prerequisite: 1715. A continuation of the study of the structure of the Choctaw language with special attention to its phonology, morphology, and syntax. Conversational practice, vocabulary-building, and the history and culture of the native speech community are emphasized. (Sp) [I-FL]  |
| CHOC    | 1999   | Lower Division Transfer Credit             | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| CHOC    | 2733   | Intermediate Choctaw                       | Prerequisite: 1723. A systematic review of the structure of the Choctaw language. Syntactic control and vocabulary expansion are emphasized. Conversational practice and traditional oral texts are used to develop proficiency. (F)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                                 | Course Description   |
|---------|--------|---------------------------------------|--|
| CHOC    | 3440   | Mentored Research Experience          | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| CHOC    | 3999   | Upper Division Transfer Credit        | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| CHOC    | 5999   | Graduate Level Transfer Credit        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| CL C    | 1113   | The Classical World                   | Introduces students to the art, culture, history, literature, and philosophy of ancient Greek and Roman civilization. (F) [IV-WC]  |
| CL C    | 1123   | Gods and Heroes in Art                | Students will be introduced to stories of ancient gods, goddesses, heroes, and lovers as they have been depicted by various art forms through the ages. Examples of these art forms will include sculptures, mosaics, frescoes, paintings, theater, and motion pictures. Through exposure to a variety of art, students will craft educated opinions about artistic works, both ancient and modern. (F, Sp) [IV-AF]  |
| CL C    | 1413   | Word Power                            | Study of basic Latin and ancient Greek elements (bases, prefixes, suffixes) in order to analyze words in English and enlarge the student's vocabulary. (F, Sp)   |
| CL C    | 1999   |                                       | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| CL C    | 2213   | Introduction to Classical Archaeology | Introductory survey of the archaeological discovery of the ancient civilizations of the Near and Middle East and the Mediterranean World, including the Mesopotamian, Egyptian, Hebrew, Roman, Minoan, Mycenaean, and Greek civilizations. Attention is given to principal sites for each civilization, their discovery, and the techniques and methodology of classical archaeology. (F, Sp) [IV-WC]  |
| CL C    | 2383   | Classical Mythology                   | Classical Mythology. Prerequisite: sophomore standing. Lectures, with assigned readings. The origin and development of Greek and Roman myths indispensable for the understanding of ancient and modern literature; with allusion to their influence on art and religion. (F, Sp, Su) [IV-WC]   |
| CL C    | 2413   | Medical Vocabulary                    | Prerequisite: sophomore standing. Designed to be of special use to students of the biological sciences. Study of basic Greek and Latin elements of medical terminology through the analysis of select vocabularies and word lists. (F, Sp, Su)   |
| CL C    | 2603   | The Rise and Fall of Greece           | Prerequisite: English 1213/Expository Writing 1213. Traces the development of the democratic ideal in Greece through the classical period. Aspects of culture such as literature, religion, art and architecture, education, science and technology, intellectual life and the role of women are emphasized. (F) [IV-WC]   |
| CL C    | 2613   | The Rise and Fall of Rome             | Prerequisite: English 1213/Expository Writing 1213. Examines the development and dissemination of Roman civilization in ancient times and its influence on the modern world. Aspects of Roman culture such as literature, law, religion, art and architecture, education, intellectual life, popular entertainment, and the role of women are emphasized. (Sp) [IV-WC]   |
| CL C    | 2623   | Civilization Ancient and Modern       | Prerequisite: ENGL 1213 or EXPO 1213. What is specifically human about civilization? What is specifically ancient about Roman civilization, and how did life under Roman rule differ from life in the modern world? A range of interrelated themes in the material history of Homo sapiens are covered: family and sex, economy and technology, death, environment, and migration. For each topic, (1) evolutionary models, (2) comparative examples from early civilizations, (3) Roman society and history, and (4) comparative examples from modern civilization. (F) [IV:WC] |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| CL C    | 2970   | Special Topics/Seminar   | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |
| CL C    | 3023   | Greek Literature in English Translation                          | Prerequisite: sophomore standing or permission of instructor. Readings in a selected genre (e.g., history, lyric poetry, philosophy, biography), with lectures on the history and development of greek literature. (Irreg.) [IV-WC]   |
| CL C    | 3033   | Latin Literature in English Translation                          | Prerequisite: sophomore standing. May be repeated; maximum credit six hours. readings in a selected genre (e.g. epic, drama, satire, lyric) with lectures on the history and development of latin literature. The Greek background to Latin literature and the Romans' influence on later works. [IV-WC]  |
| CL C    | 3053   | Origins of Christianity: Jesus to Augustine                      | Prerequisite: English 1213. A survey of early Christian history that aims to set the Christian scriptures in their cultural and political context. Canonical, non-canonical, Jewish, and pagan sources are read alongside one another in order to consider the interrelationships among various religious ideas in the Roman world. (F) [IV-WC]                       |
| CL C    | 3113   | Gods and Heroes of Ancient Epic                                  | Prerequisite: English 1213/Expository Writing 1213. The epic poetry of Homer, Hesiod, Vergil and other Greek and Roman writers in its literary and historical context. The epic tradition in later European literature. (F) [IV-WC]   |
| CL C    | 3123   | Ancient Drama in English Translation                             | Prerequisite: junior standing or permission of the instructor. Lectures on the development of the ancient Greek and Roman drama. Lectures with readings and discussion from the works of Aeschulus, Sophocles, Euripides, Aristophanes, Plautus, Terence, and Seneca and from Aristotle's poetics. The influence of ancient drama on European literature. (F) [IV-WC] |
| CL C    | 3133   | Plato and the Platonic Tradition                                 | A study of the major ideas in the central works of Plato and of their influence on the Neoplatonists. (Sp) [IV-WC]  |
| CL C    | 3163   | Visions of Heaven and Hell: Virgil, Dante, and Milton            | Prerequisite: sophomore standing. Focuses on Virgil's influence on Dante. Virgil celebrates, in both The Georgics and The Aeneid, the outcome of the struggle against external furor and passion and those elements within the individual. Dante, with Virgil as his spiritual guide in The Inferno, presents a series of spiritual exercises. (F, Sp) [IV-WC]        |
| CL C    | 3173   | Freedom in Greece  | The ideas and institutions of liberty in Greece. Focus is on the Athenian democracy and the relationship between democracy and the art and literature of Athens. (F) [IV-WC]  |
| CL C    | 3183   | Hellas, the Civilization of Ancient Greece                       | Prerequisite: junior standing and permission of instructor. Hellas examines the human factor dominating western history, philosophy, literature and political science as Greek civilization chronologically evolves. Responsible behavior, balance and control are the lessons of all Greek literature, art, philosophy and social institutions. (Sp) [IV-WC]         |
| CL C    | 3213   | Classical Art & Archaeology: Greek Art to the Death of Alexander | Prerequisite: sophomore standing. Lectures, occasionally illustrated and assigned readings. Survey of the architecture, sculpture, painting and minor arts in the Greek regions of the Eastern Mediterranean in the successive stages of their development; with analyses of dominant styles and detailed study of select masterpieces and monuments. (F) [IV-AF]     |
| CL C    | 3223   | Classical Art & Archaeology: Hellenistic Greek Art; Roman Art    | (Crosslisted with A HI 3223) Prerequisite: sophomore standing. Continuation of 3213. Survey of Hellenistic art with particular attention to the individuality of style and diversity of matter. Early Etruscan and Roman art. The development of Roman art in native and assimilated forms; studies in domestic and national monuments. (Sp) [IV-AF]                  |
| CL C    | 3233   | The Roman Forum and its Monuments                                | Focus on the excavation of the Roman Forum, the central part of ancient Rome. concentrate study on archaeological methodology, specific excavations, topography of Rome, and the cultural significance of Roman urban development on the ancient world.   |
| CL C    | 3283   | Roma: The Civilization of Ancient Rome                           | Prerequisite: junior standing and permission of instructor. This course surveys the Roman nation from its legendary origins in 753 BCE to the collapse of the Western Empire in 476 CE. Through readings from standard texts and historical fiction, students will learn about Roman history, literature and philosophy and its influence on the modern world. (Sp)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| CL C    | 3403   | Law and Justice                                   | Prerequisite: junior standing or permission of the instructor. With Aristotle's politics as the principal guide, course follows development of justice throughout the Greco-Roman experience. (F) [IV-WC]   |
| CL C    | 3440   | Mentored Research Experience                      | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| CL C    | 3510   | Selected Topics in Classical Culture              | 2 to 3 Hours. May be repeated; maximum credit nine Hours. A study of selected topics in the civilizations and cultures of the Romans, Greeks and Hebrews. (F, Sp, Su)   |
| CL C    | 3613   | Classical Influence on Modern Literature          | Prerequisite: ENGL 1213 or EXPO 1213. May be repeated with change of content; maximum credit 6 hours. Identifies the continuing importance of the classical tradition in modern literature. (F, Sp, Su) [IV-WC]   |
| CL C    | 3713   | Women in Ancient Greece                           | Prerequisite: junior standing. Survey of the roles of women in ancient Greece from the Bronze Age through the Hellenistic Period. Primary and secondary sources are utilized to provide students with both a literary and historical perspective of women in this time frame. (Irreg.) [IV-WC]  |
| CL C    | 3803   | The World of Late Antiquity: From Rome to Baghdad | Prerequisite: English/Expository Writing 1213. This course introduces students to the historical period of Late Antiquity (circa 300 to 800 CE). The Mediterranean will be the center of attention, but Mesopotamia, Arabia, the Caucasus, the Balkans, and Western Europe will also be considered in turn, along with the rise and development of Christianity and the emergence of Islam as a permanent presence in the East. (F, Sp)                                       |
| CL C    | 3960   | Honors Reading                                    | 1 to 3 Hours. Prerequisite: admission to honors program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| CL C    | 3980   | Honors Research                                   | 1 to 3 Hours. Prerequisite: admission to honors program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| CL C    | 3990   | Independent Study                                 | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| CL C    | 3999   | Upper Division Transfer Credit                    | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| CL C    | 4503   | Classics Capstone                                 | Prerequisite: senior standing in major. Students review major facts, figures, and events of Greco-Roman antiquity and write a senior paper on a topic to be chosen in consultation with the instructor, using primary and secondary sources to demonstrate a comprehensive understanding of one of the major areas of Greco-Roman civilization. (Sp) [V]  |
| CL C    | 4960   | Directed Readings                                 | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| CL C    | 4970   | Special Topics/Seminar                            | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| CL C    | 4990   | Independent Study  | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| CL C    | 5990   | Special Studies  | 1 to 3 Hours. Prerequisite: graduate standing. May be repeated; maximum credit six hours. Reading and research, arranged and directed in consultation with the instructor, in specified areas of classical civilization and culture. (F, Sp, Su)  |
| CL C    | 5999   | Graduate Level Transfer Credit                           | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| CLAR    | 1999   | Lower Division Transfer Credit                           | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| CLAR    | 2000   | Freshman and/or Sophomore Secondary Clarinet             | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| CLAR    | 2020   | Clarinet for Music Majors: Freshman/Sophomore            | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| CLAR    | 3440   | Mentored Research Experience                             | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| CLAR    | 3999   | Upper Division Transfer Credit                           | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| CLAR    | 4000   | Junior and/or Senior Secondary Clarinet                  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| CLAR    | 4020   | Clarinet for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: Majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| CLAR    | 5000   | Master's-Level Secondary Clarinet                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| CLAR    | 5010   | Master's-Level Clarinet for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| CLAR    | 5020   | Master's-Level Clarinet for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| CLAR    | 5999   | Graduate Level Transfer Credit                           | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| CLAR    | 6000   | Doctoral Secondary Clarinet                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| CLAR    | 6010   | Doctoral Clarinet for Non-Performance Music Majors   | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| CLAR    | 6020   | Doctoral Clarinet for Performance Majors             | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| CNS     | 1112   | Cultures of Collaborating, Creating and Constructing | Prerequisite: Construction Science major. Introduction to the foundations of the various planning, design, and construction disciplines. The collaborative process for creating and constructing the built environment is the focus. The shared histories of expertise areas such as planning, architecture, landscape architecture, interior design, construction science, engineering, and graphic environmental design will be explored and related to how these have evolved to their contemporary conditions. (F)  |
| CNS     | 1212   | Computers in Construction                            | introductory course providing students with basic computer application knowledge. Familiarizes students with current applications of spreadsheet, 2D and 2D Cad software for use in the construction industry. (Sp)   |
| CNS     | 1213   | Computers in Construction                            | Prerequisite: CNS majors only. Introductory course providing students with basic computer application knowledge relevant to the construction industry. (Sp)   |
| CNS     | 1713   | Materials and Methods I                              | Prerequisite: CNS majors only. Focuses on materials and methods used to construct a commercial building. Content includes field management basics, submittal process, product and process sustainability, quality basics, inspections and building permitting, inspecting and commissioning. Building processes include mobilization, heavy earthmoving and excavating equipment selection, concrete, steel, masonry and wood building frame and exterior wall construction and roof system types and installation. (F)   |
| CNS     | 1833   | Materials and Methods II                             | Prerequisite: CNS 1713. Focuses on materials and methods used to construct a building from the roofed frame to flooring installation. Content includes exterior cladding, finishes, and waterproofing, exterior glazing systems, electrical, plumbing, and mechanical system installation basics, above the ceiling installation, interior walls and finishes, interior doors and hardware, dropped ceilings and flooring. (Sp)   |
| CNS     | 1999   | Lower Division Transfer Credit                       | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| CNS     | 2133   | Introduction to Housing in America                   | This course covers housing in America. It provides a background of the evolution of the American home, including regional and cultural influences, governmental housing policies, urban and suburban residential development, and construction materials and methods. (Sp)  |
| CNS     | 2211   | Sustainability for Construction Practices            | Prerequisite: CNS 2833. Examines the environmental, social and economic principles of sustainability relevant to construction practices and covers robust sustainable practice including associated regulatory frameworks and initiatives. The module also covers the design of sustainable construction methods which includes material properties and interaction. (F)  |
| CNS     | 2433   | Mechanical Systems                                   | Prerequisite: CNS majors only. Introduces theories, concepts, materials, and methods of mechanical and plumbing systems. (Sp)   |
| CNS     | 2714   | Materials and Methods I                              | Prerequisite: CNS 1212. Focuses on materials and methods used to construct a commercial building through the exterior wall system and roof. Content includes field management basics, the submittal process, product and process sustainability, quality basics, inspections and building permitting, inspecting and basic commissioning. Building processes include mobilization, heavy earth moving and excavating equipment selection and use, concrete, steel, masonry and wood building frame and exterior wall construction and roof system types and installation. (F) |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| CNS     | 2812   | Construction Fundamentals Lab                 | Prerequisite: CNS 2713, CNS 2833; corequisite: CNS 2813. Practical exercises reinforce concepts discussed in CNS 2713 and 2813 to improve students' understanding and ability to interpret construction drawings and specifications, use drawing and modeling techniques and understand actual installation of common materials and systems used in buildings. (Sp)   |
| CNS     | 2813   | Construction Documents and Quantity Surveying | Prerequisite: CNS 1213, CNS 2833. Students will learn to interpret the drawings and specifications of typical commercial construction projects. Students will learn to perform basic material take-off and to communicate using sketches and computer applications. (Sp)  |
| CNS     | 2822   | Materials and Methods II                      | Prerequisite: CNS 2714. Corequisite: CNS 2812 and CNS 2813. Focuses on materials and methods used to construct a building from the roofed frame to flooring installation. Content includes exterior cladding, finishes and waterproofing, exterior glazing systems, electrical, plumbing and mechanical system installation basics and above the ceiling installation, interior walls and finishes, interior doors and hardware, dropping ceilings and flooring. (Sp)         |
| CNS     | 3103   | Construction Surveying                        | Prerequisite: CNS 2813. The purpose of this course is to acquaint the student with basic concepts of surveying and to provide practical training necessary for construction applications. (F)   |
| CNS     | 3123   | Structures I                                  | Prerequisite: Math 1523 and Physics 2414. Concepts, knowledge and methods of statics and strengths of materials for architects and constructors. (Sp)   |
| CNS     | 3413   | Construction Communication                    | Prerequisite: COMM 1113, CNS majors only. A communication course designed to focus on written, visual, and oral communication appropriate to the construction industry. The course will expand on the fundamentals of communication with specific instruction about the techniques and tools used to communicate with both internal and external team members. (F)  |
| CNS     | 3433   | Mechanical, Electrical and Plumbing Systems I | Prerequisite: Construction Science major. Introduces basic mechanical, electrical and plumbing (MEP) terminology, concepts and systems. Building systems are related to the constructed building and the required relationships with the skilled trades for the construction of the MEP systems. (F)  |
| CNS     | 3440   | Mentored Research Experience                  | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| CNS     | 3443   | Electrical Systems                            | Prerequisite: CNS majors only. Introduces theories, concepts, materials, and methods of electrical systems. The accumulated knowledge will be used to explore the coordination of MEP subcontractors. (F)   |
| CNS     | 3512   | Cost Estimating                               | Prerequisite: CNS 2813, CNS 2713. Corequisite: CNS 3812, CNS 3612. Students will learn about the basic foundations of the estimating process. These include quantity surveying, organization of the estimate, quantitative elements of both direct and indirect costs, using cost database, bid preparation, and the ability to visualize the project. Students will learn to create cost estimates using manual take-offs and estimating software. (F)                       |
| CNS     | 3612   | Project Controls Lab                          | Prerequisite: CNS 2813, CNS 2713. Corequisite: CNS 3512, CNS 3812. Students will further their knowledge of the estimating and scheduling processes. The content is designed to complement the theories presented in the estimating and scheduling courses. Students will learn hands-on to create detailed estimate and price loaded schedule for construction projects using computer applications. (F)   |
| CNS     | 3623   | Advanced Estimating Scheduling                | Prerequisite: CNS 3512, CNS 3812. Students will learn about advanced topics related to estimating and scheduling processes. These include pre-construction schedules, milestone schedules, conceptual estimates, value engineering, site logistics plan, and other pre-construction planning tools. (Sp)  |

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| Subject | Number | Title                           | Course Description  |
|---------|--------|---------------------------------|---|
| CNS     | 3812   | Project Planning and Scheduling | Prerequisite: CNS 2813; Corequisite: CNS 3512 and CNS 3612. Students will learn about scheduling concepts in an integrated construction planning and control system. Students will gain knowledge about different scheduling techniques and computer applications employed to facilitate the scheduling process. Students will learn to create schedules using manual network computations and scheduling software. (F)   |
| CNS     | 3821   | Project Controls Lab II         | Prerequisite: CNS 3512, CNS 3612 and CNS 3812; corequisite: CNS 3824. Lab applies the concepts learned in project management and controls to a construction project. (Sp)   |
| CNS     | 3823   | Project Controls Management     | Prerequisite: CNS 3512, CNS 3612 and CNS 3812. Focuses on the management of a commercial building project after the contract is awarded. Content includes required project communication and documentation and setup and use of a cost accounting system to track and manage the project - including field productivity, work sequence, cost and profitability, payment and cash flow, schedule compression and updating change process and closeout. (Sp)  |
| CNS     | 3824   | Project Controls Management     | Prerequisite: CNS 3512, CNS 3812. Corequisite: CNS 3821. Examines how basic accounting principles and procedures relate to the construction project budget and cost reporting after the contract is awarded. Focus on project cost classification, cost codes, logs and cost reports required to maintain a cost control system. Students prepare required project communication and documentation, and set-up and use of a system to track and manage the project including field productivity, work sequence, cost and variance, earned value and profitability, payment and cash flow, schedule compression, change and closeout. (Sp) |
| CNS     | 3883   | Construction Safety             | Prerequisite: CNS majors only. Students become familiar with the purpose and scope of the Occupational Health and Safety Administration (OSHA) and the construction industry standards governed by OSHA. Students will learn of construction workers' rights employer responsibilities, and about hazard identification and mitigation. Students will use the basic understanding of OSHA construction industry standards to develop a construction project safety plan. (Sp)   |
| CNS     | 3941   | Field Work                      | Prerequisite: CNS majors only. Students spend 12 weeks working full time for a construction company. This experience fosters understanding of the application of the Construction Science curriculum. (Su)  |
| CNS     | 3943   | Field Work                      | Prerequisite: junior standing and permission. Utilize a construction work experience to prepare for construction management functions. Student is responsible for finding the construction-related activity and proposing a work-related project. Written and oral presentation is required. (F, Sp, Su)  |
| CNS     | 3960   | Honors Reading                  | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| CNS     | 3970   | Honors Seminar                  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| CNS     | 3980   | Honors Research                 | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| CNS     | 3990   | Independent Study               | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| CNS     | 3999   | Upper Division Transfer Credit  | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| CNS     | 4023   | Research Methods in PDC                        | Prerequisite: permission of instructor. This course will make the students sufficiently knowledgeable about the basics of common research methods, processes, and products. Topics from defining a research problem, collecting relevant data, selecting research framework and methodology, and analyzing results will be covered. Issues related to conducting a research, such as validation, ethics, survey and sampling, hypothesis, assumption, writing style, computer applications will be discussed. (Sp) |
| CNS     | 4112   | Understanding Design Services                  | Prerequisite: CNS 3824. Course explores the roles and responsibilities of the owner, architect/engineer, design consultants and their interface with the constructor from project conception to completion. (F)  |
| CNS     | 4113   | Structures II                                  | Prerequisite: 3223. Extension of the study of building structures through structural design of continuous building frameworks; loads, concrete structural systems, foundations, connections, and structural detailing. (F)   |
| CNS     | 4122   | Building Information Modeling for Construction | Prerequisite: CNS 3824. Emphasizes the skills and knowledge required by the constructor to participate in the creation, projection, and execution of a project using BIM. Students combine knowledge of materials, methods, drafting, estimating and scheduling with BIM computer applications. (F)  |
| CNS     | 4133   | BIM for Constructors                           | Prerequisites: CNS 3823. This is a Building Information Modeling (BIM) course designed for the construction professional. Students will gain knowledge about the concepts, core business processes, and software involved in a building information model. BIM is presented as a methodology and as a tool that provides for shared information across the facility's lifecycle. (F)   |
| CNS     | 4152   | Legal Issues in Construction                   | Prerequisites: CNS majors or permission of instructor. An examination of current construction law as it pertains to the day-to-day management of the construction contract. Includes legal ramifications of construction bidding, contracts, changes, delays, and dispute resolution. Course emphasizes reduction of disputes through knowledge. (Sp)  |
| CNS     | 4153   | Legal Issues in Construction                   | Prerequisite: Prerequisite: 4523 and Legal Studies 3323. An examination of current construction law as it pertains to the day-to-day management of the construction contract. Includes legal ramifications of construction bidding, contracts, changes, delays, and dispute resolution. Emphasis on the reduction of disputes through knowledge. (Sp)  |
| CNS     | 4213   | Design-Build Principles and Practices          | (Slashlisted with 5213) Prerequisites: 3rd, 4th or 5th year College of Architecture student or instructor permission. Introduces design and construction students to the principles and practices of design-build. Course is approved by the Design-Build Institute of America. Students who successfully complete core course requirements will earn credit for the professional designation as Associate DBIA Professional. Students may not earn credit for both 4213 and 5213. (Sp)                            |
| CNS     | 4223   | Structures II                                  | Prerequisite: CNS 3123. Extension of the study of architectural structures through structural design of simple building frameworks; simple structural systems for gravity, lateral and seismic loads in steel and wood. (F)  |
| CNS     | 4303   | Lean Construction Management                   | Prerequisite: Permission of instructor. The purpose of this course is to explore the lean concepts specifically tailored to the AEC industry. The students will learn how lean concepts along with creative transformational thinking and technological advancement can improve and sustain performance of the construction industry. (Sp)   |
| CNS     | 4313   | Advanced BIM                                   | Prerequisite: CNS 4133. The Building Information Modeling course is designed to develop in-depth knowledge of BIM as a tool and as a method for the design, construction, and operations and maintenance phases in a facility's lifecycle of a project. Strategies for implementation and adoption are emphasized throughout the course. (Sp)  |
| CNS     | 4322   | Structures III                                 | Prerequisite: CNS 4223. Extension of the study of structures through structural design of simple building frameworks; simple structural systems for gravity, and lateral loads in concrete and masonry; basic structural detailing. (Sp)   |

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| Subject | Number | Title                                      | Course Description   |
|---------|--------|--|--|
| CNS     | 4403   | Leadership in the Construction Industry    | Prerequisite: Permission of instructor. This class will study the leadership styles and best practices found in the Architect Engineer Construction (AEC) industry. This course is designed to educate the students about individual, organizational, and process/structure leadership. (Sp)   |
| CNS     | 4523   | Pre-Construction Services                  | Prerequisite: CNS 3523, CNS 3823. This class covers the concepts and practices that are critical to pre-project planning from both the owner and contractor's perspective. Topics covered from the owner's point of view include: project charters, feasibility reports, and steps for developing the budget. Topics covered from the contractor's side include: understanding the construction market, risk management, QC plans, site management, and subcontractor procurement. Preconstruction services are covered from various project delivery methods. (F) |
| CNS     | 4612   | Soils and Foundations                      | Prerequisite: CNS 3123. This course will acquaint the student with the concepts of soil analysis and foundation design and provide practical training necessary for construction applications. This includes soil identification and classification, the engineering properties of soils, spread footings design, foundation design, piles and caissons, and retaining wall design. (F)  |
| CNS     | 4613   | Soils and Foundations                      | Prerequisite: 3223. Content includes identification and classification of soil properties as they pertain to a construction project, the role of the geotechnical engineer, soils reports, soil preparation, foundation design, soil testing, and the causes of building settlement. Practical exercises are emphasized. (F)   |
| CNS     | 4852   | Heavy-Civil Management                     | Prerequisite: 4523. Familiarizes students with the peculiarities of the heavy-civil construction industry and gives them the analytical tools to compete for projects in that area. Skills include unit price estimating, construction equipment fleet design, linear scheduling, and major components of highways, bridges, and engineered facilities. (Sp)   |
| CNS     | 4862   | Residential Construction                   | Prerequisite: 4523. Residential construction processes, scheduling, subcontracting, financing, estimating, project control, and current trends in site selection, design, and energy efficiency in the residential construction industry. (Sp)   |
| CNS     | 4881   | Construction Safety Management             | Prerequisite: 4523. Emphasizes the importance of safety in the construction industry through guest speakers, readings and other safety materials. Emphasis will be placed on safety as it relates to entry-level management positions and the professional's responsibility in creating a safe jobsite. (Sp)   |
| CNS     | 4922   | Emerging Trends in Building Processes      | Prerequisite: CNS 2211. Students explore emerging sustainable construction practices, building methods, systems and products. Students evaluate LEED/sustainable building opportunities using value engineering and life cycle assessment to determine the benefit and cost in an integrated project delivery approach. (F)  |
| CNS     | 4960   | Directed Readings                          | 1 to 4 hours. Prerequisite: senior standing, permission. May be repeated with change of subject matter; maximum credit eight hours. Subjects proposed by students or instructors may be used to expand knowledge beyond the normal core construction curriculum. Verbal or written presentation may be required to demonstrate successful completion of a subject unit. (F, Sp, Su)  |
| CNS     | 4970   | Undergraduate General Departmental Seminar | 1 to 4 hours. Prerequisite: senior standing, permission. May be repeated with change of subject matter; maximum credit 12 hours. Special topics in construction science. (Irreg.)  |
| CNS     | 4990   | Independent Study                          | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| CNS     | 4993   | Construction Science Capstone              | Prerequisite: CNS 4133, CNS 4523. The capstone course is the culmination of the Construction Science undergraduate experience. Students apply all aspects of the construction project management process in an integrated manner to a construction project. Class interaction requires participants to utilize and extend knowledge of all areas of expertise used by construction managers. Teamwork, interdisciplinary collaboration, and cooperation are required. (Sp) [V]   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| CNS     | 5003   | Construction Fundamentals I                           | Prerequisites: Graduate standing and permission of graduate liaison. Construction Management Fundamentals is designed to familiarize students with the basic foundations of construction management. These concepts include reading and understanding construction plans and specifications, implementing cost estimating techniques, as well as developing and manipulating project schedules as applied to design and construction project management. (F)   |
| CNS     | 5013   | Construction Fundamentals II                          | Prerequisite: Graduate standing. Construction Management Fundamentals 2 is designed to continue to familiarize students with the basic foundations of the project management and control mechanisms from the owner's, the designer's and the construction contractor's perspective. These concepts include terms, vocabulary, and paperwork used in the construction industry, as well as construction site safety and construction methods. (Sp)  |
| CNS     | 5023   | Research Methods in Planning, Design and Construction | Prerequisite: graduate standing and permission of graduate liaison. Framework for understanding the processes, components and methods of empirical research used in the design and evaluation of planning, design and construction problems. Emphasis is on understanding the primary types of research methods, evaluating the pros and cons of each and developing the skills necessary to identify research questions and ways to answer research questions. (Sp)   |
| CNS     | 5103   | Construction Market Analysis                          | Prerequisite: graduate standing. Familiarizes students with the cyclical nature of the U.S. real property industry, its impact on the construction industry, techniques for analyzing the industry, and strategic planning for a competitive advantage. (F)  |
| CNS     | 5123   | Fundamentals of BIM                                   | Prerequisite: CNS 5003 or permission of graduate liaison. This is a Building Information Modeling (BIM) course designed for the construction professional. Students will gain knowledge about the concepts, core business processes, and software involved in a building information model. BIM is presented as a methodology and a tool that provides for shared information across the facility's lifecycle. This course goes beyond the software applications in BIM to emphasize the knowledge required by the constructor to participate in the creation, production, and execution of a project using BIM. (F) |
| CNS     | 5143   | Legal Issues in Construction                          | Prerequisite: Graduate standing and permission of graduate liaison. An examination of current construction law as it pertains to the day-to-day management of the construction contract. Includes legal ramifications of construction bidding, contracts, changes, delays, and dispute resolution. Course emphasizes reduction of disputes through knowledge. (Sp)   |
| CNS     | 5203   | Emerging Trends in Building Processes                 | Prerequisite: CNS 5003, CNS 5123 or concurrent enrollment or permission of graduate liaison. Explores emerging sustainable construction practices, building methods, systems and products. Evaluate LEED/sustainable building opportunities using value engineering and life cycle assessment to determine the benefit and cost in an integrated project delivery approach. (Sp)   |
| CNS     | 5213   | Design-Build Principles and Practices                 | (Slashlisted with 4213) Prerequisite: Graduate standing or permission of instructor. Introduces design and construction students to the principles and practices of design-build. Course is approved by the Design-Build Institute of America. Students who successfully complete core course requirements will earn credit for the professional designation as Associate DBIA Professional. Students may not earn credit for both 4213 and 5213. (Sp)   |
| CNS     | 5303   | Lean Construction Management                          | Prerequisite: CNS 5003, CNS 5123, and CNS 5013 or concurrent enrollment in CNS 5013, or permission of graduate liaison. The purpose of this course is to explore the Lean concepts specifically tailored to the AEC industry. The students will learn how lean concepts along with creative transformational thinking and technological advancement can improve and sustain performance of the construction industry. (Sp)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| CNS     | 5313   | Advanced BIM   | Prerequisite: CNS 5123, CNS 5203, and CNS 5303. The Advanced Building Information Modeling course is designed to develop in depth knowledge of BIM as a tool and as a method for the design, construction, and operations and maintenance phases in a facility's lifecycle of a project. Strategies for implementation and adoption are emphasized throughout the course. (F)  |
| CNS     | 5353   | Leadership in the Construction Industry              | Prerequisite: Graduate standing and permission of graduate liaison. Students will define leadership and its importance in the Architecture, Engineering and Construction (AEC) industry as they explore their own leadership style. The study of past and current construction industry leaders is used as the basis for analyzing the role of teams and required leadership in the rapidly changing AEC Industry. (Sp)  |
| CNS     | 5403   | Leadership in the Construction Industry              | Prerequisite: graduate standing and CNS 5303. May include lectures, guest lecturers, movies, and case studies to provide a definition of leadership and its relevance in the architecture, engineering, and construction industry. The study of past and current construction industry leaders is used as the basis for analyzing the role of teams and required leadership in the future architecture, engineering, and construction (AEC) industry.(Sp)  |
| CNS     | 5513   | Project Management and Controls                      | Prerequisite: 3013, 3813, 5523, 5613, 5623; graduate standing or permission. Detailed application of earned value theory for project control with advanced scheduling and value analysis. Synthesis of construction management and control simulation. (F)   |
| CNS     | 5523   | Pre-Construction Services                            | Prerequisite: CNS 5003 or permission of graduate liaison. Pre-construction services provide owners with greater project clarity and expectations before their project begins. Efforts from the contractor begin well ahead of the first construction crew arriving at the jobsite. This course covers the practices performed during pre-construction to increase project success from both the owner's and contractor's side. Students will be introduced to pre-planning tools that are performed pre-construction, for example: developing feasibility reports, managing project risk, preparing a Quality Control plan, and estimating conceptually. (F) |
| CNS     | 5613   | Information Technology Applications for Construction | Prerequisite: graduate standing or permission. Participants utilize industry and classroom interaction to explore the application of available digital information management technologies in the construction process, create and incorporate digital resources into linear and nonlinear presentation formats, and explore communication potential in the construction marketplace for the World Wide Web. (F)   |
| CNS     | 5623   | Construction Contracts and Finance                   | Prerequisite: 3113, 3513, 5823, and graduate standing or permission. Development of techniques for economic analysis in construction. Exploration of the legal issues most critical to construction administration. (Sp)   |
| CNS     | 5813   | Facilities Acquisition Planning                      | Prerequisite: graduate standing or permission. How to buy building design and construction services from the owner's perspective. (F)  |
| CNS     | 5823   | Quality Management in Construction                   | Prerequisite: 3113, 3513 or concurrent enrollment, graduate standing or permission. Quality management, productivity evaluation and problem solving skills for construction decision making. Students complete the ten-hour OSHA construction safety class. (F)  |
| CNS     | 5940   | Construction Industry Practicum                      | 1 to 3 hours. Prerequisite: graduate standing and permission. Utilize construction work experience to prepare for construction management functions. Student is responsible for finding the activity and proposing a work-related project. (Sp)  |
| CNS     | 5952   | Special Studies Presentation                         | Prerequisite: permission of committee chair. May be repeated; maximum credit six hours. Completion of research for the required special studies project selected by the student and advisory committee. (Irreg.)   |
| CNS     | 5960   | Directed Readings                                    | 1 to 4 hours. Prerequisite: Permission of instructor and senior or graduate standing. May be repeated once with change of content, maximum credit six hours. Studies in major field as approved by the individual instructor. (F, Sp, Su)  |
| CNS     | 5970   | Special Topics/Seminar                               | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |

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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| CNS     | 5980   | Research for Master's Thesis            | 2 to 9 hours. May be repeated; maximum credit towards degree, five hours. (Fa, Sp, Su)  |
| CNS     | 5990   | Independent Study                       | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| CNS     | 5993   | Special Studies Research                | Prerequisite: permission of committee chair. May be repeated; maximum credit six hours. Credit for applied research for the special studies project selected by the student and advisory committee. (Irreg.)  |
| CNS     | 5999   |   | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| COMM    | 1113   | Principles of Communication             | Introductory study of human communication emphasizing both theoretic understanding of the process as well as skillful application of communication principles and techniques within a variety of settings. (F, Sp, Su) [I-O]  |
| COMM    | 1999   | Lower Division Transfer Credit          | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| COMM    | 2003   | Communication in Non-Western Culture    | Designed to broaden students' perspectives on human communication beyond the boundaries of Western cultural traditions. Patterns of perception, language, verbal behavior, nonverbal behavior, and interpersonal orientation in Asian, Middle Eastern, African and Latin American traditions are studied. (F, Sp) [IV-NW]   |
| COMM    | 2111   | Practicum in Forensics                  | May be repeated; maximum credit four hours. Develop performance materials (speeches, interpretive cuttings, debate briefs) for use in speech/debate contests. Practice sessions with critiques of performances are given. (F, Sp)   |
| COMM    | 2113   | Business and Professional Communication | Seeks to enhance the student's awareness and appreciation of communication processes in business and professional settings. An emphasis is placed on improving skills in interpersonal relations, professional oral presentations, interviews, and group processes. Career opportunities in business and professional contexts are discussed. (F, Sp) [I-O]   |
| COMM    | 2213   | Interpersonal Communication             | Introduces the student to the complex interaction of social and psychological forces operating in human communication. Theories will be considered, but in the context of real communication situations in industry, education, medical and legal practice, etc., as well as in empirical research. The most recent laboratory and field research results will be discussed. (F, Sp)  |
| COMM    | 2323   | Survey of Health Communication          | An introduction to one of the fastest-growing areas of the communication discipline: health communication. Surveys current issues, theory, and research surrounding health communication and it will focus on a variety of issues, such as perceptions of health, provider-patient relationships, health organizations, health campaigns, intercultural issues, and the use of new communication technologies in health care. (Irreg.) [III-SS]   |
| COMM    | 2413   | Media Literacy                          | Students will develop the ability to question media content and to think critically about how media generate meaning and affect our lives. Topics include: social impact of popular culture, influence of advertising on media content, mass media as a global industry, how to read the news, and media as a source of information and entertainment. (Irreg.) [III-SS]  |
| COMM    | 2423   | Gender and Communication                | Introduction to theories and research about how cultural constructions of gender shape communication, power relations, and lifestyles in different historical and geographical contexts. Two major areas in the field of communication: 1) interpersonal/intercultural communication: how different ethnic/cultural communities produce diverse notions of the masculine and the feminine, gender hierarchies, gender roles, and gendered communication; and 2) international communication: How different national media systems have reified gender representations that reproduce, maintain, resist, or question gender ideologies will be emphasized. (Irreg.) [III-SS] |



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| Subject | Number | Title                           | Course Description   |
|---------|--------|---------------------------------|--|
| COMM    | 2513   | Introduction to Statistics      | Prerequisite: Mathematics 0123 or a satisfactory score on the math placement test. This course introduces statistics with the purpose of providing tools for interpreting and conducting social science research. Topics include; central tendency, variability, normal distributions, sampling distributions, correlation, regression, T-tests, anovas, and nonparametric statistics. (F, Sp) [I-M]   |
| COMM    | 2613   | Public Speaking                 | Develops skill in the composition and delivery of speeches suitable to various common speech situations and criteria for judging speeches heard or read. Topics include: nature of public speaking; choosing and presenting a topic; analyzing an audience; organizing and outlining. (F, Sp, Su) [I-O]  |
| COMM    | 2713   | Communication Theory            | Prerequisite: 1113. Examines the formats, roles, strategies and constraints of human communication in varied social contexts. (F, Sp)  |
| COMM    | 2970   | Special Topics/Seminar          | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.  |
| COMM    | 3003   | Political Campaign Processes    | Prerequisite: COMM 1113 or P SC 1113 and junior standing. Teaches students to apply communication skills including public speaking, debating, mass media news and advertising to political campaigns. (F, Sp)  |
| COMM    | 3023   | Communication Research Methods  | Prerequisite: COMM 1113, and MATH 0123 or a satisfactory score on the Math placement test. Studies the goals, objects and methods of communication research. Emphasis is on the student's role as a critical consumer of research; exploration of vocational/professional applications of communication study. (F, Sp)   |
| COMM    | 3223   | Small Group Communication       | Prerequisite: 1113 and junior standing. Examination of communication principles in the small group setting. Includes consideration of task and interpersonal dimensions, cohesiveness, conformity and approaches to leadership. (F, Sp)  |
| COMM    | 3243   | Communication and Social Change | Prerequisite: 1113 and junior standing. Critical analysis and evaluation of persuasive strategies employed in historical and contemporary social movements, especially situations involving agitation and counter-agitation. (F, Sp)   |
| COMM    | 3253   | Persuasion Principles           | Prerequisite: 1113 and junior standing. Study of the humanistic and social scientific approaches to attitude change through discourse. Rhetorical and psychological theories are examined. (F, Sp)   |
| COMM    | 3263   | Organizational Communication    | Prerequisite: 1113 and junior standing. Focus on the communication patterns and strategies of private and governmental organizations, including most recent research on problems in management, motivation and communication systems. (F, Sp)  |
| COMM    | 3283   | Communication and Emotion       | Prerequisite: 1113 and junior standing. Communication and emotion is an advanced course designed to examine the interrelationships between human communication and affective, emotional, and cognitive processes. Emphasis is on theory and research regarding the function of affect and emotion as they impact thinking, feeling, mood, memory, and expression in communication and social interaction. (Irreg.)   |
| COMM    | 3313   | Communication and Public Health | Prerequisite: 1113 and junior standing. Introduction to concepts fundamental to the understanding of human health behavior and health promotion. Describes prevalent health behavior, psychosocial., and psychological theories of behavior change used by health educators and researchers in a variety of contexts. Examines several individual-based, social-based, organization-based, and eco-social theories, including the health belief model, the theory of planned behavior, the transtheoretical model, decision-making, social support, social learning theory, and diffusion of innovations. (Irreg.) |
| COMM    | 3413   | Interethnic Communication       | Prerequisite: 1113 and junior standing. Examines the nature of communication between individuals of differing ethnic/racial backgrounds. Identifies behaviors that impede or facilitate the development of positive interethnic relationships. Explores various societal, situational, and psychological forces that influence the communication process. (Irreg.)   |

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| Subject | Number | Title                               | Course Description   |
|---------|--------|-------------------------------------|--|
| COMM    | 3440   | Mentored Research Experience        | 0 to 3 hours. Prerequisites: COMM 1113 and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Project (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| COMM    | 3483   | Communication and Argumentation     | Prerequisite: 1113 and junior standing. Seeks to acquaint the student with ways of constructing valid arguments, with application to such communication contexts as policy making, legal decision-making, organizational decision-making and personal inquiry. Fundamentals of argumentation are explored, along with methods of argument construction and numerous contextual applications. (Irreg.)  |
| COMM    | 3513   | Intercultural Communication         | Prerequisite: 1113 and junior standing. Introduction to intercultural communication theory, research and selected applications. Topics include conceptualizing intercultural communication theoretically, trends in research, diffusion of innovation, nationality barriers and training for foreign assignments. (F, Sp) [IV-WC]  |
| COMM    | 3523   | Communication in Relationships      | Prerequisite: 1113 and junior standing. Introduces and discusses various theoretical approaches (social exchange, pragmatism, social cognition, etc.) toward understanding human interaction. In addition, the following topics are covered: relationship development and termination, life-span communication, the family, friendship relationships, therapeutic relationships, and interpersonal relationships in various organizational settings. (F, Sp)   |
| COMM    | 3543   | Conflict Management and Negotiation | Prerequisite: COMM 1113 or junior standing. Expands understanding and practical experience with negotiation and conflict management. Provides an understanding of negotiation and conflict management processes in a wide range of contexts and from a communication perspective. Also examines factors that influence communication in negotiation and conflict, types of strategies used, and their outcomes for the management of such situations. (Irreg.)   |
| COMM    | 3563   | Risk and Crisis Communication       | Prerequisite: COMM 1113 or junior standing. Provides an understanding of the theory, research, and practice related to risk and crisis communication. The course's format consists of lectures, group discussions, experiential activities, and written assignments that require your active involvement. (Irreg.)   |
| COMM    | 3573   | Communication and Humor             | Prerequisite: COMM 1113 and junior standing. Provides an understanding of the role of humor in communication. Students will learn about theories and ideas related to humor and its effects on a variety of issues, including: relationships, persuasion, identity, media, and politics. Insight will be gained into humor and communication in a way that illuminates important issues in life. (Irreg.)  |
| COMM    | 3643   | Media and Society                   | Prerequisite: 1113 and junior standing. Examines the role of the mass media in social life. Topics include the impact of technology, economics, law, work routines, and culture on media content, and the relationship between the messages created and the audiences that receive them. Competing theories about information dissemination and reception are considered. Emphasis on providing students a framework for thinking critically about mass media content. (Irreg.)                            |
| COMM    | 3653   | Computer Mediated Communication     | Prerequisite: COMM 1113 and junior standing. An introduction to the area of computer-mediated communication (CMC). Will look at a number of contexts for CMC, including CMC and interpersonal communication, on-line communities, CMC within organizations, and CMC as mass communication. Will introduce students to the history of computer-mediated communication, theories of computer-mediated communication, and will explore communication within a variety of internet-based populations. (Irreg.) |
| COMM    | 3810   | Variable Topics in Communication    | 1 to 6 hours. Prerequisite: 1113 and junior standing. May be repeated with change of subject matter; maximum credit six hours. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| COMM    | 3960   | Honors Reading                                   | 1 to 3 hours. Prerequisite: 1113, 2713 or junior standing with permission of instructor, and admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (Irreg.)  |
| COMM    | 3980   | Honors Research                                  | 1 to 3 hours. Prerequisite: 1113, 2713 or junior standing with permission of instructor, and admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted honors candidate to work at a special project in the student's field. (Irreg.)  |
| COMM    | 3990   | Independent Study                                | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| COMM    | 3999   | Upper Division Transfer Credit                   | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| COMM    | 4010   | Communication Internship                         | 1 to 6 hours. Prerequisite: junior or senior who has completed two-thirds of the communication courses required for graduation, plus permission of instructor. Applicants must have minimum overall GPA of 2.50 or higher and a minimum GPA of 2.75 in communication courses. May be repeated; maximum credit six hours. A planned work experience related to personal career and academic goals, integrated into the student's academic schedule. It includes working in an assigned workplace several hours a week in addition to completing academic assignments and meeting regularly with organizational and academic supervisors. (F, Sp, Su) |
| COMM    | 4153   | Nonverbal Communication                          | Prerequisite: 1113 and junior standing. Seeks to expose students to recent research on nonverbal behavior, emphasizing those properties of communication which characterize social and cultural group memberships. (Irreg.)   |
| COMM    | 4233   | Free Speech: Responsible Communication Under Law | Prerequisite: 1113 and junior standing or graduate standing. A study of the interaction between communication and the law. A consideration of the role of law as both deterrent and protector of the communicator's efforts. Attempts to provide a better understanding of the pervasiveness of regulation of communication. (Irreg.)   |
| COMM    | 4243   | Family Communication                             | Prerequisite: 1113 and junior standing. Examines social science research related to the processes of communicating in family relationships. Focus on the impact of communication in the development, maintenance, and dissolution of family relationships. Topics include; research methods and theory in family communication, stage models of family development, diversity issues related to families, and communication patterns related to different family forms including single-parent families, nuclear families, stepfamilies, and extended family networks. (Irreg.)   |
| COMM    | 4253   | Strategic Communication Campaigns                | Prerequisite: 1113 and junior standing. The focus of this course is on the use of influence in modern campaigns. The course attempts to apply theories and strategies of persuasion to applied campaign settings. The broad objectives of the course includes fostering a student's ability to understand and to use the theories, strategies, and methods involved in persuasive campaigns in a generic sense and in terms of specific contexts (e.g. health campaigns, political campaigns, marketing, etc.). (Irreg.)  |
| COMM    | 4323   | Political Communication                          | (Crosslisted with P SC 4323) Prerequisite: 1113 and junior standing. Considers the role of communication in political settings. Major topics include political persuasion, public speaking in political campaigns, political debating, political advertising, bias in news coverage of campaigns. (F, Sp)   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                            | Course Description   |
|---------|--------|----------------------------------|--|
| COMM    | 4413   | Issues in Health Communication   | Prerequisite: 1113 and junior standing. Communication theories and principles in various contexts. Will be a thematic course, which focuses on in-depth, context-specific, health-related research and theories. Introduces various themes that are important in health communication, with particular focuses on interpersonal (e.g., social support, uncertainty management, provider-patient communication), cross-cultural (e.g., cross-cultural health care and illness ideology), and organizational (e.g., HMOs and risk communication) contexts. (Irreg.)                              |
| COMM    | 4423   | Communication and Public Opinion | Prerequisite: COMM 1113 or P SC 1113 and junior standing. Examines the concept and measurement of public opinion. Students learn critical and analytical tools for evaluating the current role of public opinion in democratic societies. Topics include how to measure public opinion, interpreting polling data, social and psychological aspects of public opinion, impacts of media and interpersonal communication on public opinion, and public opinion as group behavior. (Irreg.)  |
| COMM    | 4513   | International Communication      | Prerequisite: junior standing. Presentation and discussion of academic analyses of culture, politics, and ethics in various non-USA media systems. Issues covered include media ownership and concentration, ethnicity and gender in the media, media and international conflict, non-western media industries, global media audiences, and new information and communication technologies. (F)  |
| COMM    | 4643   | Mass Media Effects               | Prerequisite: 1113 junior standing. Examines theories and research findings that inform conclusions about the effects of mass communication. Focuses on media use patterns, social effects (violence, pornography, and stereotyping) use and effects on children, public opinion, political effects (election campaigns), economic effects (advertising), cultural effects, new communication technologies, and long-term effects. The course also seeks to enhance the skills of critical reading, logical thinking, and use of evidence about the effects of mass communication. (F, Sp, Su) |
| COMM    | 4713   | Issues in Communication Study    | Prerequisite: 1113, 2713 (with a grade of C or better), 3023 (with a grade of C or better), 2513 and nine hours of Communication electives at the upper-division level. Must have earned senior standing (90 hours or more) prior to the semester of enrollment. Provides the opportunity to integrate knowledge about communication and apply it to a project culminating in a speech and senior paper. The project will develop a selected problem, issue, or controversy in communication. (F, Sp, Su) [V]  |
| COMM    | 4960   | Directed Readings                | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| COMM    | 4970   | Special Topics/Seminar           | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| COMM    | 4990   | Independent Study                | 1 to 3 hours. Prerequisite: COMM 1113 and COMM 2713 or junior standing with permission of instructor. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| COMM    | 5003   | Quantitative Research Methods    | Prerequisites: graduate standing; successful score on a proficiency test in statistics administered during new graduate student orientation (deficiency remedied via completion of COMM 2513 or equivalent during the first semester of graduate work at OU). Introduction to social-behavioral science processes of inquiry about human communication phenomena. Examines the relationship of theory and method, looks at various research paradigms and designs, and provides an introduction to descriptive and inferential statistics. (Sp)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| COMM    | 5013   | Introduction to Graduate Study                    | Prerequisite: graduate standing or permission. Traces the development of research and professions in communication, providing an integrative conception of the discipline and an introduction to research and theory formulation. Students are exposed to those skills critical to success in graduate training in communication. (F)  |
| COMM    | 5023   | Introduction to Quantitative Research Methods     | Prerequisite: graduate standing. Introduction to social-behavioral science processes of inquiry about human communication phenomena for graduate students not pursuing a Ph.D. Examines the relationship of theory and method, between research paradigms and designs, and provides an introduction to descriptive and inferential statistics. (F, Sp, Su)   |
| COMM    | 5033   | Advanced Statistics                               | Prerequisite: permission of instructor. Advanced statistics covering topics which include: anova, ancova, manova, multiple regression, path analysis, and confirmatory and exploratory factor analysis. (F)  |
| COMM    | 5043   | Organizational Research Practicum                 | Prerequisite: graduate student major who has completed two-thirds of the communication courses required for graduation, plus permission. Applicants must have an overall grade point average of 3.25 or higher. Provides practical research experience in an organization. Student adviser and organization's sponsor must agree through a written contract about the goals, plan, and activities associated with the research project. (Irreg.) |
| COMM    | 5053   | Introduction to Qualitative Research Methods      | Prerequisite: graduate standing. Introduction to various qualitative methodological strategies used in the social sciences for students not pursuing a Ph.D. Examines the relationship of method and theory and the process of collecting, coding, and analyzing data. (F, Sp, Su)   |
| COMM    | 5113   | Nonverbal Communication: Theory and Research      | Prerequisite: graduate standing or permission of instructor. Studies social-psychological and linguistic-ethological approaches to nonverbal communication research and theory building. (Irreg.)  |
| COMM    | 5213   | Interpersonal Communication                       | Prerequisite: graduate standing or permission. Studies the research and theories in interpersonal communication with emphasis on dyads and small groups, public address, message analysis and nonverbal communication. (Irreg.)  |
| COMM    | 5233   | Communication and Social Change                   | Prerequisite: graduate standing or permission. Studies alternative theories of social change, both historical and modern, with emphasis on the role played by communication at the interpersonal, group and social levels. (F)   |
| COMM    | 5243   | Language Perspectives of Communication            | Prerequisite: graduate standing or permission. Investigates the role of language behavior research, epistemological foundations, linguistics, speech act theory, sociolinguistics, psycholinguistics and ethnomethodology. (Irreg.)  |
| COMM    | 5253   | Cross-Cultural Communication: Theory and Research | Prerequisite: graduate standing or permission. Study of theory of cross-cultural communication with special attention to language, stereotyping, perception, role, power and nonverbal communication as such variables operate in cross-cultural situations. (Irreg.)  |
| COMM    | 5263   | Health Communication in Interpersonal Contexts    | Prerequisite: graduate standing or permission of instructor. Provides a broad overview of theoretical and applied approaches to health communication. A variety of health communication topics including doctor-patient communication, health information campaigns, mass media influences on health, role of culture in health and disease, health care organizations, and group influences on well-being will be presented. (F)                |
| COMM    | 5313   | Qualitative Research Methods                      | Prerequisite: graduate standing. Survey of different qualitative methodological strategies used in the social sciences to collect, code, and analyze information. (Sp)   |
| COMM    | 5323   | Advanced Qualitative Research                     | (Crosslisted with SOC 5323) Prerequisite: 5313. Designed to immerse students in the actual experience of conducting qualitative research in the field. Emphasis on participatory observation, ethnographic research, and textual analysis. (F)   |
| COMM    | 5333   | Organizational Communication                      | Prerequisite: graduate standing. Focuses on the communication environment of organizations, both internal and external, emphasizing implications of organizational designs for communication, communication principles to motivate employees, and the role of communication for productivity and the quality of life. (Irreg.)   |

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| Subject | Number | Title                             | Course Description   |
|---------|--------|-----------------------------------|--|
| COMM    | 5353   | Conflict Management               | Prerequisite: graduate standing. Examines theory and research about conflict management in various communication contexts. Takes a social scientific approach to conflict management with emphasis on cognitive processes, affective systems, interaction sequences and strategies and tactics related to how people negotiate the meaning and management/resolution of conflict. (Irreg.)   |
| COMM    | 5363   | Communication and Technology      | Prerequisite: graduate standing or permission. Provides a comprehensive overview of emerging technologies (e.g., teleconferencing, electronic mail, videotext, electronic bulletin boards, telecommuting, distance education, media richness, voice messaging, invisible technologies, etc.) and analyzes some of the social and behavioral effects of these technologies on human interaction in interpersonal, organizational, small group, and international contexts. (F)                |
| COMM    | 5373   | Communication and Leadership      | Prerequisite: graduate standing. Examines theory and research related to the philosophy and behaviors associated with leadership communication in various contexts. Emphasis placed on unique aspects of messages as individuals enact leadership roles. Scholarship from several areas of the social sciences will be considered, but communication theory will be given primary emphasis. (F)  |
| COMM    | 5383   | Survey of Political Communication | (Crosslisted with P SC 5383) Prerequisite: graduate standing. Embraces the premise that meaningful democracy requires an effective political communication system. Examines some of the tensions between the requirements of democracy and the forms of communication that have emerged to meet them, exploring the roles of political leaders, citizens, and the media in the evolution of a democratic political information system. (Irreg.)  |
| COMM    | 5393   | Risk and Crisis Communication     | Prerequisite: graduate standing. The term "risk communication" refers to a body of knowledge and a set of practical skills that can be used in characterizing and managing issues, disseminating information, and communicating effectively in crises or emergency situations. Examines key concepts of risk communication, investigates risk communication theories and approaches as well as implements practical application in learning about communicating in risk situations. (Irreg.) |
| COMM    | 5453   | Social Influence                  | Prerequisite: graduate standing. A social scientific approach to the study of influence (persuasion), emphasizing scholarship drawn from speech communication, mass communication and social psychology. (F)   |
| COMM    | 5553   | Survey of Communication Campaigns | Prerequisite: graduate standing. Theory and research about persuasive communication campaigns which involve conscious sustained communication efforts designed to influence the thinking, feelings and/or behaviors of targeted receiver groups. (Sp)  |
| COMM    | 5810   | Special Topics in Communication   | 1 to 4 hours. Prerequisite: graduate standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Topics will vary and are intended to acquaint the graduate communication major with specialized study involving communication theory, methodology and research. (F, Sp, Su)  |
| COMM    | 5960   | Directed Readings                 | 1 to 3 hours. Prerequisite: 12 hours of graduate work in communication and permission of instructor. May be repeated; maximum credit, six hours for the master's degree and nine hours for the Ph.D. Intensive survey of the literature in a selected area of communication under the direction of a graduate faculty member. (F, Sp, Su)  |
| COMM    | 5980   | Research for Master's Thesis      | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| COMM    | 5990   | Independent Study                 | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| COMM    | 5999   | Graduate Level Transfer Credit    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title                                      | Course Description   |
|---------|--------|--|--|
| COMM    | 6013   | Special Problems in Communication Research | Prerequisites: graduate standing and permission of instructor. May be repeated with change of content; maximum credit six hours. Explores special issues and problems in communication research which characterize areas of specialty in communication, including social and mass communication, evaluative techniques, and rhetorical criticism. (F, Sp)  |
| COMM    | 6023   | Communication Research Task Groups         | Prerequisite: graduate standing and permission of instructor. May be repeated; maximum credit 15 hours. Designed to explore numerous topics in communication study, including the development and execution of research in communication. (F, Sp)  |
| COMM    | 6233   | Small Group Processes                      | Prerequisite: graduate standing. Considers current status of small group theory and research, emphasizing leadership. Includes both the development of a tentative theory of leadership and the application of small group theory to the process of decision making. (F, Sp)   |
| COMM    | 6314   | History and Theory of Communication        | Prerequisite: 5003, 5013, and 5313 or permission of instructor. Presents the evolution of communication theory from ancient rhetorical traditions to the present. Topics covered include: classical origins of communication; enlightenment contributions to theory; interdisciplinary roots of communication study; and contemporary theories of communication. (Sp)  |
| COMM    | 6323   | International Communication                | Prerequisite: graduate standing or permission. An interdisciplinary survey of theory and research pertaining to issues of mass media and information and communication technologies and their interaction with culture, identity, politics, and ethics. (Irreg.)   |
| COMM    | 6373   | Seminar in Mass Communication              | Prerequisite: graduate standing. May be repeated with change of content; maximum credit nine hours. Considers differing topics in contemporary mass communication theory and research. (Sp)  |
| COMM    | 6413   | Interethnic Communication Seminar          | Prerequisite: graduate standing or permission. An interdisciplinary survey of theory and research pertaining to issues of interethnic/interracial communication. Specific verbal and nonverbal communication behaviors are examined in conjunction with salient contextual factors of the macro-societal, situational, and psychological milieu surrounding the communication process. (Irreg.)  |
| COMM    | 6423   | Communication in Health Organizations      | Prerequisite: graduate standing. Examines delivery and exchange of messages within health organizations with emphasis on conflict, bargaining, and negotiating, communication networks and environments, virtual systems of communication, etc. (Sp)   |
| COMM    | 6433   | Seminar in Intercultural Communication     | Prerequisite: graduate standing. Studies communication across cultural boundaries with emphasis on comparative analysis of communication systems of various cultures, factors involved in predicting intercultural communication patterns and effects, and the role of communication in cultural and technological development. Special attention is given to communication problems between subcultures in American society. (Irreg.) |
| COMM    | 6443   | Seminar in Organizational Communication    | Prerequisite: graduate standing. May be repeated once with change of content; maximum credit six hours. Seminar on a specialized topic in organizational communication, such as communication networks, socialization, decision making, or organizational culture. Content focus varies with instructor. (Irreg.)  |
| COMM    | 6453   | Seminar in Social Influence                | Prerequisite: graduate standing. May be repeated with change of content; maximum credit six hours. Seminar on specialized topic in social influence. Content focus varies with instructor. (Sp)  |
| COMM    | 6463   | Media and Political Behavior               | Prerequisite: graduate standing. Examines the interplay of mediated communication and political behavior. Focuses on individual-level psychological processes that shed light on how news, political campaigns, new media, and entertainment programming may influence socialization, attitude formation, political decision-making and participation. (Irreg.)  |
| COMM    | 6473   | Communication and Public Opinion           | Prerequisite: graduate standing. Focuses on how collective and individual opinions are formed, communicated, and deployed to make decisions. Examines different conceptions of public opinion, such as the aggregation of individual citizens' opinions, the development of shared values and beliefs, and the active negotiation of opinion in the public sphere. (Irreg.)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| COMM    | 6483   | Media and Civic Life   | Prerequisite: graduate standing. Focuses on the relationship between media and civic life, including campaigns and engagement in the electoral arena, as well as broader perspectives of life as part of the general body politic. Examines the changing news and media landscape, including the affordances and limitations of contemporary and emerging communication platforms in democratic politics. (Irreg.)   |
| COMM    | 6493   | Seminar in Interpersonal Communication                                 | Prerequisite: graduate standing. May be repeated once with change of content; maximum credit six hours. Seminar on a specialized topic in interpersonal communication. Content focus varies with instructor. (Irreg.)  |
| COMM    | 6523   | Health, Culture, and Communication                                     | Prerequisite: graduate standing and permission of department. Examines the complex definitions and dimensions of culture and the various pathways in which culture can shape patients' illness experiences and providers' behaviors. This course focuses on three general areas: culture and health behaviors; healthcare delivery in cross-cultural contexts, and minority health. (Irreg.)   |
| COMM    | 6563   | Structural Equation Modeling   | Prerequisites: graduate standing and COMM 5033. Introduction to the analysis of covariance structures. Topics covered include confirmatory factor analysis, structural equation modeling, multi-group analyses, and latent means models. (Irreg.)  |
| COMM    | 6573   | Social Network Analysis  | Prerequisites: graduate standing and COMM 5033. Reviews theoretical, conceptual, and analytic issues associated with network perspectives on communicating and organizing. The course will review scholarship on the science of networks in communication, economics, organizational science, public health, political science, psychology, and sociology, in order to take an in-depth look at theories, methods, and tools to examine the structure and dynamics of networks. (Irreg.) |
| COMM    | 6960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| COMM    | 6970   | Seminar in Communication   | 1 to 4 hours. Prerequisite: graduate standing. May be repeated with change of content; maximum credit 15 hours. (F, Sp, Su)  |
| COMM    | 6980   | Research for Doctoral Dissertation                                     | 2 to 16 hours. (F, Sp, Su)   |
| COMM    | 6990   | Independent Study  | 1 to 4 hours. May be repeated; maximum credit eight hours. An individual course of intensive study with the area and problem to be determined by the student and the instructor responsible for supervising the study. (F, Sp, Su)   |
| COMP    | 1999   | Lower Division Transfer Credit   | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| COMP    | 2000   | Freshman and/or Sophomore Secondary Composition                        | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| COMP    | 2010   | Freshman and/or Sophomore Composition for Non-Performance Music Majors | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward the B.F.A., B.M.A., B.M.E., or B.M. degree, eight hours. For freshman and sophomore music students in the B.F.A., B.M.A., B.M.E., and B.M. (Music History or Music Theory majors) degree programs who are studying in their principal performance area. (F, Sp, Su)   |
| COMP    | 2020   | Freshman and/or Sophomore Composition for Performance Majors           | 1 to 4 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward the B.M. degree, eight hours. For freshman and sophomore music students in the B.M. (Performance or Composition majors) degree program who are studying in the major performance area. (F, Sp, Su)  |



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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| COMP    | 3440   | Mentored Research Experience                                      | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| COMP    | 3999   | Upper Division Transfer Credit                                    | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| COMP    | 4000   | Junior and/or Senior Secondary Composition                        | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| COMP    | 4010   | Junior and/or Senior Composition for Non-Performance Music Majors | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward the B.F.A., B.M.A., B.M.E., or B.M. degree, eight hours. For junior and senior music students in the B.F.A., B.M.A., B.M.E., and B.M. (Music History or Music Theory majors) degree programs who are studying in a principal performance area. (F, Sp, Su)   |
| COMP    | 4020   | Junior and/or Senior Composition for Performance Majors           | 1 to 4 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward the B.M. degree 14 hours. May be elected for two hours credit only during summer session. For junior and senior music students in the B.M. (Performance or Composition majors) degree program who are studying in the major performance area. (F, Sp, Su)  |
| COMP    | 5000   | Master's-Level Secondary Composition                              | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| COMP    | 5010   | Master's-Level Composition for Non-Performance Music Majors       | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| COMP    | 5020   | Master's-Level Composition for Performance Majors                 | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| COMP    | 5999   | Graduate Level Transfer Credit                                    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| COMP    | 6000   | Doctoral Secondary Composition                                    | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| COMP    | 6010   | Doctoral Composition for Non-Performance Music Majors             | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| COMP    | 6020   | Doctoral Composition for Performance Majors                       | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| CREK    | 1715   | Beginning Creek/Seminole  | Introduction to the structure of the Creek/Seminole language with special attention to its phonology, morphology, and syntax. Conversational practice, vocabulary-building, and the history and culture of the native speech community also are emphasized. (F, Sp) [I-FL]  |

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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| CREK    | 1725   | Beginning Creek/Seminole-continued      | Prerequisite: 1715. A continuation of the study of the structure of the Creek/Seminole language with special attention to its phonology, morphology, and syntax. Conversational practice, vocabulary-building, and the history and culture of the native speech community are emphasized. (F, Sp) [I-FL]  |
| CREK    | 1999   | Lower Division Transfer Credit          | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| CREK    | 2733   | Intermediate Creek/Seminole             | Prerequisite: 1725. A systematic review of the structure of the Creek/Seminole language. Syntactic control and vocabulary expansion are emphasized. Conversational practice and traditional oral texts are used to develop proficiency. (F)   |
| CREK    | 2833   | Creek IV                                | Prerequisite: 2733. Further development of Creek language skills from Creek III, including improving and increasing listening and reading comprehension, speaking skills, and some further mechanics of the language. (Irreg.)  |
| CREK    | 3440   | Mentored Research Experience            | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| CREK    | 3999   | Upper Division Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| CREK    | 5999   | Graduate Level Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| DANC    | 1112   | Tap I                                   | (Crosslisted with MTHR 1112) Prerequisite: permission of instructor. May be repeated; maximum credit four hours. A beginner class emphasizing tap fundamentals and terminology that includes weight change, proper placement and simple step patterns. The course concentrates on basic rhythms, counting, ear training and clarity of sound. (F, Sp)   |
| DANC    | 1212   | Ballet Technique I                      | May be repeated; maximum credit four hours. Practice of ballet technique at beginning level. This course does not count for major credit in the School of Dance. (F, Sp, Su)  |
| DANC    | 1312   | Modern Technique I                      | May be repeated; maximum credit four hours. Practice of modern dance technique at the beginning level. This course does not count for major credit in the School of Dance. (F, Sp, Su)  |
| DANC    | 1411   | Stage Makeup for the Dancer             | To develop skill in the application of basic stage makeup for the dancer, including character analysis and traditional styles. (Irreg.)   |
| DANC    | 1442   | Jazz I                                  | (Crosslisted with MTHR 1442) Prerequisite: permission of instructor. May be repeated; maximum credit four hours. A beginner class that provides the student with a comprehensive understanding of the technical fundamentals of jazz dance including basic rhythms, vocabulary and skills. Focus is aimed towards proper placement, strength and flexibility development. (F, Sp)   |
| DANC    | 1713   | Understanding Dance                     | A course in dance appreciation covering all aspects of various theatrical dance styles. (F, Sp) [IV-AF]   |
| DANC    | 1813   | Introduction to Non-Western Dance Forms | An abbreviated examination of the history, evolution, and significance of dance in three regions of the non-western world which possess very distinct dance cultures. (F, Sp) [IV-NW]   |
| DANC    | 1911   | Rehearsal and Production                | Prerequisite: open to dance majors only. May be repeated; maximum credit four hours. Study, practice and participation in every phase of dance production work and management. Laboratory (F, Sp, Su)   |
| DANC    | 1999   | Lower Division Transfer Credit          | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |

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| Subject | Number | Title                         | Course Description  |
|---------|--------|-------------------------------|---|
| DANC    | 2112   | Tap II                        | (Crosslisted with MTHR 2112) Prerequisite: permission of instructor. May be repeated; maximum credit four hours. An advanced beginner class that maintains focus on proper placement and clarity of sound while introducing more complicated rhythms, step patterns and vocabulary. Counting and ear training continues as the student hones assimilation skills. Focus is placed on tap dynamics including accenting, shading and movement quality. A variety of styles will be introduced. (F, Sp)                                      |
| DANC    | 2212   | Ballet Technique II           | Prerequisite: permission of instructor. May be repeated; maximum credit eight hours. Continuation of 1212. (F, Sp, Su)  |
| DANC    | 2214   | Intermediate Ballet Technique | Prerequisite: Majors only; permission of instructor. May be repeated; maximum credit twelve hours. Class includes participation in a complete ballet barre and center including adagio, pirouettes, petit allegro and grande allegro. The emphasis will be on the practice and principles of the classical ballet vocabulary. Students will be expected to develop and demonstrate the ability to perform the movements with proper body alignment and a sense of artistic expression as well as improved skill and strength. (F, Sp, Su) |
| DANC    | 2241   | Pointe Class                  | Prerequisites: Majors only; permission of instructor. Corequisite: must be enrolled in a ballet technique class. May be repeated; maximum credit 4 hours. Technique and practice on pointe to build strength and proficiency for ballet. (F, Sp)  |
| DANC    | 2292   | Ballet Company Apprentice     | Prerequisite: Majors only; permission of instructor. May be repeated; maximum credit eight hours. A practical analysis and application of the original and classical ballet repertoire. (F, Sp, Su)   |
| DANC    | 2312   | Modern Technique II           | Prerequisite: Majors only; permission of instructor. May be repeated; maximum credit eight hours. Continuation of 1312. (F, Sp)   |
| DANC    | 2314   | Intermediate Modern Technique | Prerequisite: Majors only; permission of instructor. May be repeated; maximum credit 16 hours. Intermediate modern dance technique emphasizing skill refinement, increased vocabulary, and performance capabilities, and preparation for a professional dance career. (F, Sp)   |
| DANC    | 2321   | Dance Improvisation           | Prerequisite: majors only; permission of instructor. May be repeated; maximum credit four hours. An introduction to improvisation as a creative and choreographic tool. Students will develop the ability to comprehend, apply, and manipulate movement in order to craft creative impulses. Also explores how to convey concepts and meaning, informing and inspiring others through various methods of non-verbal communication. (F, Sp)  |
| DANC    | 2392   | Modern Company Apprentice     | Prerequisite: Majors only; permission of instructor. May be repeated; maximum credit 10 hours. A practical analysis and application of the past and present choreographic dance works within the modern dance area. (F, Sp, Su)   |
| DANC    | 2412   | Pilates Body Conditioning     | May be repeated; maximum credit eight hours. The philosophy of awareness in movement and a total body/mind workout based on the methods developed by Joseph Pilates over 75 years ago. This method is one of physical and mental conditioning designed to work every muscle in the body in an efficient and balanced manner. (F, Sp)  |
| DANC    | 2442   | Jazz II                       | (Crosslisted with MTHR 2442) Prerequisite: permission of instructor. May be repeated; maximum credit four hours. This advanced beginner class expands on the techniques learned in Jazz I with focus on cleanly executed technique, well connected movement quality, dynamics and increased strength and flexibility. A variety of jazz styles will be introduced. (F, Sp)  |
| DANC    | 2512   | Ballroom Dancing I            | May be repeated; maximum credit eight hours. Instruction in traditional and popular social dances, as well as social skill and etiquette. Includes instruction in the basic ballroom dances of cha-cha, salsa, swing, tango, and waltz. Dancers take the basic skills and introduce new dances and rhythms with an added emphasis on dancing technique. (F, Sp)   |

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|---------|--------|---------------------------------|--|
| DANC    | 2522   | Ballroom Dancing II             | Prerequisite: 2512 or permission of instructor. May be repeated; maximum credit eight hours. Intermediate-level ballroom dancing which builds on the basic skills of the dancer and introduces new dances and rhythms with an added emphasis on dancing techniques. Includes instruction in the foxtrot, rumba, samba, and east and west coast swings. A brief review of basic skills is presented at the beginning of the semester. (F, Sp)   |
| DANC    | 2552   | Introduction to Flamenco        | May be repeated; maximum credit eight hours. Class includes participation in elementary flamenco exercises. Students will be instructed in several aspects of the art of Flamenco, including footwork, arm movements, hand clapping, and choreography. Emphasis of class will be on practice, principles and vocabulary of flamenco dance. Students will be expected to perform with proper body alignment, an element of performance style and correct technical vocabulary and rhythms. (Irreg.)   |
| DANC    | 2612   | Belly Dance                     | May be repeated three times; maximum credit eight hours. A course on one of the forms of dance from the Middle East, belly dancing, as referred to in North America. The class will focus on learning the technique of the dance as well providing the history of the form. (F, Sp)  |
| DANC    | 2632   | Elements of Dance Composition   | Prerequisite: Majors only; permission of instructor. Theoretical and practical experience with the principles of composition in the area of expressive movement. (Irreg.)  |
| DANC    | 2712   | Body Science for Dancers        | An introduction to human anatomy and body mechanics through the study of skeletal alignment and movement efficiency in dance training, teaching and performance. This course is only open to Dance majors, and is intended to be taken during the second semester of the freshman year or the first semester of the sophomore year. (Irreg.)   |
| DANC    | 2970   | Special Topics                  | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.  |
| DANC    | 3112   | Tap III                         | (Crosslisted with MTHR 3112) Prerequisite: permission of instructor. May be repeated; maximum credit six hours. An intermediate class with focus placed on refinement of technical and assimilation skills while dramatically increasing tap vocabulary. Students focus on tap dynamics, performance quality, style variety and movement coordination while learning longer and more complicated step patterns. Tap improvisation is introduced. (Irreg.)  |
| DANC    | 3214   | Ballet Technique III            | Prerequisite: Majors only; permission of instructor. May be repeated; maximum credit 32 hours. Continuation of 2212. (F, Sp, Su)   |
| DANC    | 3262   | Ballet Variations               | Prerequisite: Majors only; permission of instructor. May be repeated; maximum credit four hours. The study and practice of solo variations in the professional ballet repertoire with emphasis on individual male and female techniques. (Alt. F)  |
| DANC    | 3272   | Performance Practices in Ballet | Prerequisite: Majors only; permission of instructor. An introduction to and participation in performance practices in character dance and pantomime in ballet training. Emphasis on the practice, principles and style of character dance and its function as an integral part of classical ballet repertory and the use of pantomime and acting techniques for dancers. Students learn character dance technique and choreography from the classical repertory as well as practicing individual role development through character studies culminating in the use of pantomime vocabulary and expressive movement. (Irreg.) |
| DANC    | 3292   | OU Ballet Company               | Prerequisite: Majors only; permission of instructor. May be repeated; maximum credit 16 hours. Rehearsal and performance with the OU Ballet Company. Laboratory (F, Sp, Su)  |
| DANC    | 3314   | Modern Technique III            | Prerequisite: Majors only; permission of instructor. May be repeated; maximum credit 32 hours. Continuation of 2312. (F, Sp, Su)   |
| DANC    | 3392   | Contemporary Dance Oklahoma     | Prerequisite: Majors only; permission of instructor. May be repeated; maximum credit 16 hours. Rehearsal and performance with the Contemporary Dance Oklahoma. (F, Sp, Su)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| DANC    | 3412   | Pilates Equipment                             | Prerequisite: 2412 and permission of the instructor. May be repeated; maximum credit eight hours. Using Pilates equipment, the class foundation is built on that developed by Joseph Pilates as a method of physical and mental conditioning to work every muscle in one's body in an efficient and balanced manner. The basis throughout the semester is that philosophy of awareness in movement and a total body/mind workout. (F, Sp)                                     |
| DANC    | 3440   | Mentored Research Experience                  | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| DANC    | 3442   | Jazz III                                      | (Crosslisted with MTHR 3442) Prerequisite: permission of instructor. May be repeated; maximum credit four hours. An intermediate class that moves at a heightened pace, this level expands on the techniques learned in Jazz II. Additional focus is placed on style variety, assimilation skills, and more advanced movement coordination and rhythms. (Irreg.)  |
| DANC    | 3632   | Dance Composition                             | Prerequisite: Majors only; permission of instructor. Theoretical and practical experience with the principles of composition in the area of expressive movement. (Irreg.)   |
| DANC    | 3743   | Dance History: Early Roots                    | Prerequisite: junior standing or permission of instructor. A survey of the development of dance from pre-historic eras in western civilization through ancient cultures in Egypt, Greece and Rome. Investigations continue through Medieval, Renaissance and Baroque periods up to the evolution of Romantic ballet in the nineteenth century. (F) [IV-WC]  |
| DANC    | 3753   | Dance History: Three Centuries of Development | Prerequisite: junior standing or permission of instructor. From nineteenth-century Romanticism, this course traces the development of western theatrical dancing through the current season. (Sp) [IV-WC]   |
| DANC    | 3813   | History of World Dance                        | Prerequisite: junior standing or permission of instructor. An examination of the history, evolution and significance of dance in regions which possess very distinct dance cultures throughout the non-European world. (Irreg.) [IV-NW]   |
| DANC    | 3960   | Honors Reading                                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of subject; maximum credit six hours. Consists of either reading topics or independent study designated by the instructor in keeping with the student's major program. Covers materials not usually presented in the regular courses. (F, Sp, Su)  |
| DANC    | 3970   | Honors Seminar                                | 1 to 3 hours. Prerequisite: admission to Honors Program, junior or senior standing. May be repeated with change of subject; maximum credit six hours. The projects covered will vary. Deals with concepts not usually presented in regular coursework. (Irreg.)   |
| DANC    | 3980   | Honors Research                               | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of subject; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| DANC    | 3990   | Independent Study                             | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| DANC    | 3999   | Upper Division Transfer Credit                | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| DANC    | 4022   | Ballet Repertoire                             | Prerequisite: Majors only; permission of instructor. Research and analysis of some of the works of the basic classical repertoire insofar as story contents. Musical and choreographic approaches are used by renowned choreographers. (Irreg.)   |
| DANC    | 4032   | Modern Dance Repertory                        | Prerequisite: 2312 and permission of instructor. A practical analysis and application of the style and creative work of choreographers who have created the basic professional modern dance repertory. (Irreg.)   |

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|---------|--------|---|--|
| DANC    | 4112   | Tap IV  | (Crosslisted with MTHR 4112) Prerequisite: 3112 or permission of instructor. May be repeated; maximum credit four hours. This advanced class furthers the tap dancer's vocabulary, refines technical skills, greatly increases assimilation ability and furthers the study of tap improvisation. (Irreg.)  |
| DANC    | 4214   | Ballet Technique IV                           | Prerequisite: Majors only; permission of instructor. May be repeated; maximum credit 32 hours. Continuation of 3214. (F, Sp)   |
| DANC    | 4241   | Pas de Deux                                   | Prerequisite: Majors only; permission of instructor. May be repeated; maximum credit 2 hours. Basic techniques of partnering and being a partner in ballet performance. (Irreg.)   |
| DANC    | 4314   | Modern Technique IV                           | Prerequisite: DANC 3314; Majors only; permission of instructor. May be repeated; maximum credit 32 hours. Continuation of 3314. (F, Sp, Su)  |
| DANC    | 4442   | Jazz IV                                       | (Crosslisted with MTHR 4442) Prerequisite: permission of instructor. May be repeated; maximum credit four hours. An advanced class emphasizing strong technique and assimilation skills as well as the ability to adapt to any jazz style. Continued focus is placed on flexibility, strength, dynamics, and solid performance quality. (Irreg.) |
| DANC    | 4612   | Ballet Choreography                           | Prerequisite: Majors only; permission of instructor. Study and practice in the principles of ballet composition, with emphasis on Romantic, Classical, Neoromantic and Neoclassical choreography. (Irreg.)   |
| DANC    | 4713   | Dance Production                              | Prerequisite: Dance major, senior or graduate standing or permission of department. Provides dance students with knowledge and skills related to the effective use of stage design and technical resources for producing dance in theatrical venues. (Sp)  |
| DANC    | 4723   | Senior Capstone                               | Prerequisite: permission of instructor. An advanced, individual project which demonstrates mastery of skills and knowledge in the student's area of interest. Taken in the senior year, the project will be selected under advisement, guided by the appropriate faculty member(s) and include required submission of a written component. [V]   |
| DANC    | 4812   | Teaching of Ballet Technique                  | Prerequisite: twelve hours of ballet or permission. Comprehensive study of the basic ballet exercises and body positions. Terminology and discussions on anatomy for the dancer. Experience in teaching of ballet. (Irreg.)  |
| DANC    | 4821   | Teaching Practicum - Ballet                   | Prerequisite: Majors only; DANC 4812. May be repeated; maximum credit three hours. Teaching children's ballet classes of various levels. Student will teach an average of twelve classes per semester, and meet with the supervising professor following observation of teaching assignments. (F, Sp)  |
| DANC    | 4832   | Methods in Teaching Dance                     | Prerequisite: Majors only; permission of instructor. Methods of teaching through the creative approach. Progressions in teaching dance studies and techniques. (Irreg.)  |
| DANC    | 4851   | Practical Experience in Teaching Modern Dance | Prerequisite: 4832. May be repeated; maximum credit three hours. Practical teaching experience in modern dance or creative dance for children. (F, Sp)   |
| DANC    | 4910   | Professional Practices                        | 3 to 12 hours. Prerequisite: majors only; permission required. May be repeated; maximum credit 12 hours. Complete assignment(s) in a professional environment either performing, choreographing, teaching or in administrative work subsequent to OU admission. (F, Sp, Su)  |
| DANC    | 4960   | Directed Readings                             | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| DANC    | 4970   | Special Topics/Seminar                        | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| DANC    | 4990   | Special Studies                               | 1 to 6 hours. Prerequisite: permission. May be repeated with change of subject matter; maximum credit six hours. (F, Sp, Su)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| DANC    | 5023   | Introduction to Graduate Study in Dance       | Prerequisite: graduate standing. Developing research, organizational and refined skills for scholarly writing. Establishing a foundation to analyze existing materials in the dance field for purposes of debate and theory construction. Providing clarification of MFA in Dance expectations and defining a direction/program of study which will enrich knowledge within the discipline. (Irreg.)                       |
| DANC    | 5090   | Graduate Special Studies                      | 1 to 6 hours. Prerequisite: permission. May be repeated; maximum credit six hours. A special creative or research project course in any phase of dance adapted to the individual student. (F, Sp)  |
| DANC    | 5224   | Graduate Ballet Technique                     | Prerequisite: twelve hours of ballet, permission. May be repeated; maximum credit 16 hours. Intensive study of dance techniques for proficiency in performance and teaching. (F, Sp, Su)   |
| DANC    | 5292   | Advanced Ballet Company Class                 | Prerequisite: graduate standing, permission of adviser. Continued enrollment based on performance; maximum credit ten hours. A rehearsal situation which provides the special training required in performance. It is conducted in a practicum-laboratory situation aimed at the advanced graduate student. Laboratory (F, Sp)   |
| DANC    | 5324   | Graduate Modern Dance Technique               | Prerequisite: twelve hours of modern dance; permission of adviser. May be repeated; maximum credit 16 hours. Intensive practice of modern dance techniques for proficiency in performance and teaching. (F, Sp)  |
| DANC    | 5392   | Advanced Modern Dance Company Class           | Prerequisite: graduate standing, permission of adviser. Continued enrollment based on performance; maximum credit ten hours. A rehearsal situation which provides the special training required in performance. It is conducted in a practicum-laboratory situation aimed at the graduate student. Laboratory (F, Sp)  |
| DANC    | 5613   | Graduate Choreography                         | Prerequisite: 3632 or 4612 or permission. Practical application of principles of choreography in original production projects. (F, Sp)   |
| DANC    | 5743   | Dance History: Early Roots                    | Prerequisite: graduate standing or permission of instructor. A survey of the development of dance from pre-historic eras in western civilization through ancient cultures in Egypt, Greece and Rome. Investigations continue through Medieval, Renaissance and Baroque periods up to the evolution of Romantic ballet in the nineteenth century. Will have additional meeting times, research and written assignments. (F) |
| DANC    | 5753   | Dance History: Three Centuries of Development | Prerequisite: graduate standing or permission of instructor. Development of western theatrical dancing from nineteenth-century Romanticism through the current season. Will have additional meetings, research and written assignments. (Sp)   |
| DANC    | 5812   | Advanced Teaching of Dance                    | Prerequisite: 4812 or 4832. Theory and practical application of dance pedagogy on different levels of proficiency. (Irreg.)  |
| DANC    | 5900   | Professional Semester                         | 3 to 6 hours. Prerequisite: permission. May be repeated; maximum credit six hours. Complete assignment(s) in a professional environment either performing, choreographing, teaching or in administrative work.   |
| DANC    | 5913   | Graduate Project in Dance                     | Prerequisite: permission. May be repeated with change of subject matter; maximum credit six hours. Study and practice in assuming full responsibility of a project in the area of dance. (F, Sp, Su)   |
| DANC    | 5960   | Directed Readings                             | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| DANC    | 5970   | Special Topics/Seminar                        | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| DANC    | 5980   | Research for Master's Thesis                  | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| DANC    | 5990   | Independent Study                             | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |

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|---------|--------|---------------------------------|---|
| DANC    | 5999   | Graduate Level Transfer Credit  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| DENG    | 0113   | Introduction to College Writing | Course prepares students, who are judged at risk by secondary assessment, for "Principles of English Composition" (ENGL 1113). Course addresses issues of focus, development, expression, sentence structure, and editing skills. This course does not count for college credit at the University of Oklahoma. (F, Sp)  |
| DES     | 2633   | Visual Communication I          | Prerequisite: Majors only; ART 1033, ART 1043, ART 1133, and ART 1143; corequisite: DES 2643. Introductory course in visual communication which focuses on nonverbal communication. Students are introduced to design research, theory and methods. This course explores the importance design plays in shaping meaning and interpretation through basic visual interaction. (F)  |
| DES     | 2643   | Design Technology               | Prerequisite: majors only, ART 1033, ART 1043, ART 1133, and ART 1143; corequisite: DES 2633. Introduction to electronic tools, processes and techniques as they relate to visual communications. (F)   |
| DES     | 2653   | Visual Communication II         | Prerequisite: Majors only; DES 2633, DES 2643; corequisite: DES 2663. Course is structured to help students apply various strategies, concepts, and form/content relationships to their work. Projects stress theory, application and an introduction to the computer as a design process tool. (Sp)  |
| DES     | 2663   | Typography I                    | Prerequisite: Majors only; DES 2633, DES 2643; corequisite: DES 2653. Introduction to the basic concepts of typographic design through studio projects, critiques and lectures. (F, Sp)   |
| DES     | 2970   | Special Topics                  | 1 to 3 hours. Prerequisite: sophomore standing or permission of instructor. May be repeated; maximum credit six hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| DES     | 3440   | Mentored Research Experience    | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| DES     | 3633   | Visual Communication III        | Prerequisite: Majors only; DES 2653, DES 2663; corequisite: DES 3663. Exploration and application of information systems as they apply to visual communications. (F)  |
| DES     | 3643   | Integrated Technology           | Prerequisite: Majors only; DES 3633, DES 3663; corequisite: DES 3653. Emphasis will be in developing user interfaces, experiences and outcomes in design communication, moving from the printed page to electronic media. Development of strategies using new technologies into integrated systems. (Sp)  |
| DES     | 3653   | Visual Communication IV         | Prerequisite: Majors only; DES 3633 and DES 3663; corequisite: DES 3643. Concentration is on design problem solving in visual communication at an intermediate level. (Sp)  |
| DES     | 3663   | Typography II                   | Prerequisite: Majors only; DES 2653, DES 2663; corequisite: DES 3633. Concentrated exploration of issues within typography using word and image. Projects explore visual and verbal context and meaning through expressive and utilitarian aspects of typography. (F)   |
| DES     | 3960   | Honors Reading                  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of subject matter; maximum credit six hours. Consists of either reading topics or independent study designated by the instructor in keeping with the student's major program. The topics of study will cover materials not usually presented in the regular courses. (F, Sp)   |
| DES     | 3970   | Honors Seminar                  | 1 to 3 hours. Prerequisite: admission to Honors Program, junior or senior standing. May be repeated with change of subject matter; maximum credit six hours. The projects covered will vary. The content will deal with concepts not usually presented in regular coursework. (Irreg.)  |



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|---------|--------|---|---|
| DES     | 3980   | Honors Research                           | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of subject; maximum credit six hours. Provides an opportunity for the gifted honors candidate to work at a special project in the student's field. (F, Sp)   |
| DES     | 4643   | Visual Communication V                    | Prerequisite: Majors only; DES 3653, DES 3643; corequisite: DES 4653. Students explore contemporary and critical issues in visual communications. This course deals with the planning, design and implementation of multi-faceted design problems directed towards an understanding and integration of people and visual communication. (F)   |
| DES     | 4653   | Typography III                            | Prerequisite: Majors only; DES 3643, DES 3653; corequisite: DES 4643. Typographic problem solving, exploration, and experimentation. Emphasis is on the development of syntactic typographic relations in visual communication. (F)   |
| DES     | 4663   | Visual Communication VI                   | Prerequisite: Majors only; DES 4643. An advanced course in visual communication exploring multi-component graphic design problems that convey complex information. (Sp)   |
| DES     | 4930   | Internship                                | 1 to 6 Hours. Prerequisite: permission of instructor; majors only. May be repeated; maximum credit six hours. Students arrange and participate in a professional work experience with an approved internship site. (Irreg.)   |
| DES     | 4970   | Special Topics/Seminar                    | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit six hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| DES     | 4983   | Senior Capstone Experience                | Prerequisite: senior standing; majors only. May not be repeated for credit. Primary objective is to provide a culminating experience for the senior-year student. Satisfies the University-wide General Education Requirement for a capstone course for design majors. (F, Sp) [V]  |
| DES     | 4990   | Independent Study                         | Prerequisite: majors only; junior standing or permission of instructor. May be repeated; Maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent Study may include library and/or laboratory research and field projects. Title is variable only to reflect specific discipline area within the School of Art & Art History. (Irreg) |
| DES     | 4993   | Visual Communication Topics               | Prerequisite: majors only; junior standing. May be repeated with change of subject matter; maximum credit nine hours. Special topics course in visual communication for content not currently offered in regularly scheduled courses. (Irreg.)  |
| DES     | 5093   | Graduate Studio Visual Communication I    | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)   |
| DES     | 5193   | Graduate Studio Visual Communication II   | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)   |
| DES     | 5293   | Graduate Studio Visual Communication III  | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)   |
| DES     | 5393   | Graduate Studio Visual Communication IV   | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)   |
| DES     | 5493   | Graduate Studio Visual Communication V    | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)   |
| DES     | 5593   | Graduate Studio Visual Communication VI   | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)   |
| DES     | 5693   | Graduate Studio Visual Communication VII  | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)   |
| DES     | 5793   | Graduate Studio Visual Communication VIII | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)   |
| DES     | 5893   | Graduate Studio Visual Communication IX   | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)   |

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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| DES     | 5970   | Special Topics                            | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| DES     | 5993   | Graduate Studio Visual Communication X    | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)   |
| DES     | 6093   | Graduate Studio Visual Communication XI   | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)   |
| DES     | 6193   | Graduate Studio Visual Communication XII  | Prerequisite: graduate standing in Art. Individual problems in visual communications area. (Irreg.)   |
| DES     | 6293   | Graduate Studio Visual Communication XIII | Prerequisite: graduate standing in Art. Individual problems in the visual communications area. (Irreg.)   |
| DES     | 6393   | Graduate Studio Visual Communication XIV  | Prerequisite: graduate standing in Art. Individual problems in the visual communications area. (Irreg.)   |
| DES     | 6493   | Graduate Studio Visual Communication XV   | Prerequisite: graduate standing in Art. Individual problems in the visual communications area. (Irreg.)   |
| DES     | 6593   | Graduate Studio Visual Communication XVI  | Prerequisite: graduate standing in Art. Individual problems in the visual communications area. (Irreg.)   |
| DMAT    | 0113   | Elementary Algebra                        | Prerequisite: completion of placement test. For students who score in the lowest bracket on the placement test. A review of beginning algebra including polynomial arithmetic, solving equations, graphing, inequalities, and the quadratic equation. Not acceptable for degree credit at the University of Oklahoma. (F, Sp, Su)   |
| DMAT    | 0115   | Fundamental Algebra                       | Prerequisite: placement test. Combines the course content of Math 0113 and 0123. A review of beginning algebra including polynomial arithmetic, solving equations, graphing, inequalities, rational expressions, exponents and radicals, imaginary and complex numbers, quadratic equations, systems of linear equations. Not acceptable for degree credit at the University of Oklahoma. (F, Sp, Su) |
| DMAT    | 0123   | Intermediate Algebra                      | Prerequisite: 0113 at OU, or satisfactory score on the placement test, or satisfactory score on the ACT/SAT. Properties of real numbers, equations and inequalities, algebra of rational expressions, exponents and radicals, introduction to quadratic equations, functions and graphs, systems of linear equations. Not acceptable for degree credit at the University of Oklahoma. (F, Sp, Su)     |
| DRAM    | 1114   | Costume Construction                      | The theory and practice of the construction, finishing and handling of stage costumes. Includes practical production applications. Laboratory (F, Sp, Su)   |
| DRAM    | 1124   | Stagecraft                                | Stagecraft. The Theory And Practice Of The Construction, Painting And Handling Of Scenery And Props. Includes Practical Production Applications. Laboratory (F, Sp, Su)   |
| DRAM    | 1133   | Drawing and Rendering                     | Exploring methods of using freehand drawing to communicate design ideas. Skill building course: form, shape, color, texture, light. Includes some mechanical drawing. (F, Sp)   |
| DRAM    | 1134   | Stage Lighting                            | Acquaints the student with the technical procedures, instrumentation, equipment, organization and basic design of effective lighting. Includes practical production applications. Laboratory (F, Sp, Su)  |
| DRAM    | 1141   | Stage Management Seminar I                | A weekly forum for sharing insights and solving problems on current production assignments, as well as examining the bigger picture of stage management and theatre in America today. (F, Sp)   |
| DRAM    | 1411   | Makeup                                    | To direct and provide experience in the effective application of makeup materials in creating an impression of character. (F, Sp)   |
| DRAM    | 1503   | Acting for Non-Majors                     | To develop a beginning understanding and appreciation of the art and skill of acting through the study of acting principles, dramatic scenes, and basic stage techniques. (F, Sp, Su)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| DRAM    | 1513   | Introduction to Acting  | To acquaint the beginning student with the fundamentals of acting and to explore the basic elements of the actor's art. Explores the physical, vocal, emotional and technical aspects of acting in a format that encourages freedom of imagination and personal growth. (F)  |
| DRAM    | 1523   | Character Study for the Actor                                     | Prerequisite: 1513. To develop and exercise basic acting skills through practical application of the fundamental elements of the actor's art. The student will become familiar with the actor's tools and learn how to utilize them on a rudimentary level. Emphasis will be placed upon characterization and beginning script analysis required for character study. (Irreg.)       |
| DRAM    | 1603   | Voice And Diction for Non-Majors                                  | Improves the student's voice, articulation, pronunciation and expressive intonation for effective communication. (Irreg.)  |
| DRAM    | 1612   | Introduction to Voice and Movement                                | Prerequisite: School of Drama freshmen performance majors. Skill-based course introduces the student to the foundations of voice and movement for the actor. (F)   |
| DRAM    | 1643   | Voice and Speech I  | Prerequisite: 1523. Improves the student's voice, articulation, pronunciation and expressive intonation for effective communication, and performing for the stage. (F)   |
| DRAM    | 1713   | Understanding the Theatre   | A service course for nonmajors that covers the history and evaluation of various forms of dramatic production offered on stage. (F, Sp, Su) [IV-AF]  |
| DRAM    | 1811   | Music Notation and Score Reading for Stage Managers and Designers | Introduces music notation and score reading to stage management and design students who may work on musical theatre, ballet and/or opera in their academic and professional careers. (F)   |
| DRAM    | 1911   | Rehearsal and Production  | (Crosslisted with MTHR 1911) Prerequisite: open to drama majors only. May be repeated; maximum credit four hours. Study, practice and participation in every phase of dramatic production work and management; attendance and critical discussion of plays. Kinds of service are given unit evaluations in terms of relative difficulty and time consumption. Laboratory (F, Sp, Su) |
| DRAM    | 1999   | Lower Division Transfer Credit                                    | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| DRAM    | 2013   | Introduction to Theatrical Design and Production                  | Prerequisite: Majors only. Explores the processes of theatrical design in the forms of scenery, lighting, sound and costume design as well as stage management and technical direction. Also focuses on the creation of a holistic design approach uniting script analysis, research, visual imagery and storytelling into one single artistic form of communication. (F, Sp)        |
| DRAM    | 2053   | Computer Aided Drafting I for the Theatre                         | Prerequisite: 1124 or 1133 or 1134 and sophomore standing. Teach the use of computer aided design for theatrical drafting. Drafting in Vectorworks and Spotlight. (F)  |
| DRAM    | 2141   | Stage Management Seminar II                                       | Prerequisite: 1141 or permission of instructor. A weekly forum for sharing insights and solving problems on current production assignment, as well as examining the bigger picture of stage management and theatre in America today. (F, Sp)   |
| DRAM    | 2153   | Scene Design  | Prerequisite: 1124 and 1133. Acquaints the student with the practical and aesthetic principles involved, and provides experience in designing scenery. (F)   |
| DRAM    | 2223   | Lighting Design   | Prerequisite: 2214, permission. Acquaints the student with advanced design, presentation, visual awareness and "styles" in lighting design. Includes practical production applications. (Sp)   |
| DRAM    | 2233   | Introduction to Technical Production                              | Prerequisite: 1114, 1124, and major in drama. Survey of technical production skills in scene technology and costume technology including communications. Shop management and safety. (F)   |
| DRAM    | 2243   | Draping And Pattern Drafting I                                    | Prerequisite: 2233, permission of instructor, and sophomore standing. Topics and experiences related to draping skills and pattern drafting for the theatre. Demonstrations and hands-on experience using techniques discussed. Laboratory (F)   |
| DRAM    | 2253   | Draping and Pattern Drafting II                                   | Prerequisite: 2243. Continuation of 2243. Topics and experiences related to draping skills and pattern drafting for the theatre. Demonstrations and hands-on experience using techniques discussed. Laboratory (Sp)  |
| DRAM    | 2323   | Stage Movement  | Prerequisite: 1523. To give the drama student an understanding of the use of the body as an expressive instrument through development of flexibility, strength and coordination. (F)   |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| DRAM    | 2333   | Advanced Stage Movement                    | Prerequisite: 2323 and sophomore standing. Focuses on physicality as a fundamental element of the actor's craft through manipulation of movement to explore emotional truth, create a character or convey the reality of a particular theatrical world to an audience. (Sp)   |
| DRAM    | 2343   | History of Costume                         | Prerequisite: permission. Acquaints the student with the costumes worn by people of dramatically significant periods and countries. (Sp)  |
| DRAM    | 2413   | Sound techniques                           | A course in the fundamentals of theatrical sound and sound technology. (F)  |
| DRAM    | 2423   | Drafting for the Theatre                   | Prerequisite: DRAM 1133; majors only. Increases the student's skill in the technical craft of drafting as a major communication device of scenery and lighting designers. Course will use international drafting conventions and U.S.I.T.T. standards. (Irreg.)   |
| DRAM    | 2503   | On-Camera Acting for Non-Majors            | Instructs the student on requirements, discipline and basic techniques of performing on camera, with an appreciation of the full process of creating a film or television production. Non-majors course. (F)  |
| DRAM    | 2513   | Scene Study for the Actor                  | Prerequisite: DRAM 1523; Corequisite: DRAM 1643; majors only. Designed to develop the actor's skill through the intensive study and performance of scenes from modern realistic world theatre. Emphasis will be placed upon building a character, milieu study, and scene structure. (F)  |
| DRAM    | 2523   | Performing Shakespeare                     | Prerequisite: 2513 and permission. Designed to develop the actor's skill through the intensive study and performance of scenes and monologues from Shakespeare and other verse drama. Emphasis will be placed upon handling language with believable and appropriate characterization. (Sp)   |
| DRAM    | 2643   | Voice and Speech II                        | Prerequisite: 1643; corequisite: 2523. Develops the actor's vocal instrument as an integrated and organic function of self and character. Focus on the expressive voice with verse texts. (Sp)  |
| DRAM    | 2713   | Introduction to Fine Arts                  | Lectures, illustrated with slides, motion pictures, recordings and readings, surveying the development of the fine arts (architecture, drama, the visual arts and music) from prehistoric times to the present. Background material will include the religious, political and economic conditions and changes affecting the arts. (F) [IV-AF]   |
| DRAM    | 2733   | Introduction to Dramaturgy                 | Prerequisite: DRAM 1523, ENGL 1113, and ENGL 1213; majors only. Introduces students to basic techniques of dramaturgy: research, text analysis, and collaboration for theatrical production. (F)  |
| DRAM    | 2813   | Stage Management                           | Prerequisite: sophomore standing. Designed to give theatre students the background and skills to function as a stage manager for theatre, dance, or musical productions. An introductory course covering the basics of the stage manager's process from pre-production through closing as well as discussing professional topics such as theatrical unions, production management, and job opportunities. (F) |
| DRAM    | 2970   | Special Topics                             | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |
| DRAM    | 3052   | Illustration I: Dry Media                  | Prerequisite: 1133 and sophomore standing. Studio class intended to facilitate illustration depicting theatre scenery and costume design through the use of colored pencil and pastel media. Focus on the human form clothed for theatre performance and on scenic rendering and/or vignettes. Exercises will stress the effect of light on the objects and the creation of fullness/plasticity. (F)          |
| DRAM    | 3053   | Computer Aided Drafting II for the Theatre | Prerequisite: 1133 and sophomore standing. Computer aided design for the theatre. An exploration into the use of Renderworks and Spotlight as drafting and presentation tools, and Photoshop as an image manipulation tool. Covers topics of scenic renderings, lighting previsualization and costume design presentation. (Sp)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| DRAM    | 3062   | Illustration II: Wet Media                          | Prerequisite: 1133 and junior standing. Studio class to build illustrative skill in communicating scenic and costume ideas for the theatre through the use of watercolor, gouache, and colored inks, as well as learning to think in terms of lighted objects. (Sp)   |
| DRAM    | 3141   | Stage Management Seminar III                        | Prerequisite: 1141, 2141 or permission of instructor. A weekly forum for sharing insights and solving problems on current production assignments, as well as examining the bigger picture of stage management and theatre in America. (F, Sp)   |
| DRAM    | 3213   | Draping & Pattern Drafting III                      | Prerequisite: 2243, 2253. Advanced topics and experiences related to draping skills and pattern drafting for the theatre. Demonstrations and hands-on experience using techniques discussed. Laboratory (F)   |
| DRAM    | 3223   | Costume Construction Techniques                     | Prerequisite: DRAM 2243, junior standing, majors only. Advanced work in the mechanics and technology of costume builder's draft including practical work in the costume shop. (F)   |
| DRAM    | 3233   | Tailoring for the Theatre                           | Prerequisite: 2233, 2243, junior standing and permission of instructor. Intermediate and advanced dressmaking and tailoring techniques. Application of skills in costume. (Sp)  |
| DRAM    | 3323   | Stage Movement: Clowning                            | Prerequisite: 2323 and junior standing. Develops students skills in body awareness, balance, flexibility, focus, improvisation and ensemble through the character of the clown. (Irreg.)  |
| DRAM    | 3353   | Costume Design                                      | Prerequisite: 1114. Acquaints students with elementary costume design and construction, historical styles, character evaluation and design sources. (F)   |
| DRAM    | 3413   | Sound Design  | Prerequisite: junior standing and permission of instructor. Provides theatre students with the basic skills and concepts for designing sound as support for a theatrical production. This is a design course providing the necessary skills in script analysis, research, style, sound resources, and sound scoring. (Irreg.)   |
| DRAM    | 3433   | Advanced Materials for Stage Scenery and Properties | Prerequisite: 2233 junior standing and permission of instructor. Application of metals, plastics and non-traditional materials in scenic and properties construction. Emphasis on safety and efficacy. (Sp)   |
| DRAM    | 3440   | Mentored Research Experience                        | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| DRAM    | 3513   | Performing Departures from Realism                  | Prerequisite: 2523 and juried audition. Acquaints students with performance theory and practice for non-realistic plays and forms, exploring the material through exercises, improvisations and performances of scripted scenes. (F)  |
| DRAM    | 3523   | Performing New Plays                                | Prerequisite: 2523 and juried audition. Provides practical experiences for the actor in working with playwrights on new, unpublished plays through performances in scenes, staged readings and through text readings in American acting traditions. (Irreg.)  |
| DRAM    | 3533   | Advanced Shakespeare Performance                    | Prerequisites: majors only; junior status; DRAM 2523 and DRAM 2643. Students must have passed their sophomore jury prior to enrolling in this course. Designed to help the student further their skills in rehearsing and performing Shakespeare and other classical texts. Provides advanced training in verse scansion and form, and increases students' knowledge of lesser-known Shakespearean and other Elizabethan texts. (Sp)  |
| DRAM    | 3613   | Directing I   | Prerequisite: DRAM 2733; majors only. Consists of lectures, demonstrations and exercises performed by members of the class. Includes, but is not limited to: stage management, dramatic and theatrical values of a play, play analysis and various techniques of directing. Laboratory (F)  |
| DRAM    | 3623   | Directing II  | Prerequisite: 3613. An intensive study for majors only of the craft and techniques involved in the directing of plays. Special emphasis is placed on script analysis; communication with actors; and practical laboratory work in employing these methods. Scenes from major dramatic works are rehearsed and prepared in class with extensive critique and "in-shop training." Laboratory (Irreg.)   |

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| Subject | Number | Title                                   | Course Description   |
|---------|--------|---|--|
| DRAM    | 3643   | Voice And Speech III                    | Prerequisite: 2643, junior standing. Develops the actor's vocal instrument as an integrated function of self and character. Work on dialects. (F)  |
| DRAM    | 3713   | History of the Theatre I                | Prerequisite: junior standing and permission. Acquaints the student with the development of drama, theatre and production procedures through the ages from 500 B.C. to 1780. (F) [IV-WC]   |
| DRAM    | 3723   | History of the Theatre II               | Prerequisite: junior standing and permission. Continuation of 3713. Acquaints the student with the development of drama, theatre and production procedures through the ages from 1700 to the present. (Sp) [IV-WC]   |
| DRAM    | 3820   | Management Studio I                     | Prerequisite: junior standing in drama. May be repeated with change of content; maximum credit six hours. Base for various units of study pertaining to the fields of theatre management and stage management. (F, Sp)   |
| DRAM    | 3822   | Stage Management Studio I               | Prerequisite: 2813 and junior standing. May be repeated; maximum credit four hours. Practical experience in stage management on university theatre productions. Laboratory (F, Sp)   |
| DRAM    | 3833   | Advanced Stage Management               | Prerequisite: 2813 and major in Drama. Advanced studies of stage management . Topics covered include leadership, team-building, organization, communication, interpersonal relations, problem solving and creating a positive work environment. (Sp)   |
| DRAM    | 3853   | Theatre Management                      | Prerequisite: permission of instructor. A study of the history of theatre management and a current look at trends in the industry. (F)   |
| DRAM    | 3910   | Advanced Rehearsal and Production       | 1 to 2 hours. Prerequisite: DRAM 1114, DRAM 1124, and DRAM 1134; majors only. May be repeated; maximum credit four hours. Study and practice in an administrative or supervisory capacity of every phase of dramatic production work and management; attendance and critical discussion of plays. Kinds of service are given unit evaluation in terms of relative difficulty and time consumption. Laboratory (Irreg.) |
| DRAM    | 3960   | Honors Reading                          | 1 To 3 Hours. Prerequisite: admission to honors program. May be repeated with change of subject; maximum credit six hours. Consists of either reading topics or independent study designated by the instructor in keeping with the student's major program. covers materials not usually presented in the regular courses. (F, Sp, Su)   |
| DRAM    | 3970   | Honors Seminar                          | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| DRAM    | 3980   | Honors Research                         | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of subject; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| DRAM    | 3990   | Independent Study                       | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| DRAM    | 3999   | Upper Division Transfer Credit          | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| DRAM    | 4023   | Model Building                          | Prerequisite: DRAM 2053; majors only. Acquaints students with the process of building the scenographic model as it relates to the design process. Lecture and Laboratory (Irreg.)  |
| DRAM    | 4050   | Company Workshop                        | 2 to 6 hours. Prerequisite: permission. May be repeated with change of subject matter; maximum credit 12 hours. Study and practice in production, rehearsal and performance as members of a theatre company. Laboratory (Su)   |
| DRAM    | 4073   | Developing the Professional Perspective | (Slashlisted with 5073) Prerequisite: senior standing. Meant to give the artist the life tools to participate and thrive in an artistic lifestyle. No student may earn credit in both 4073 and 5073. (F)   |
| DRAM    | 4113   | Scene Painting                          | Prerequisite: 1114, 1124, 1133. The study and practice of traditional and new scene painting materials and techniques. Individual scene painting problems in the uses of dry pigments, casein, aniline dyes and texture materials. Laboratory (Sp)   |

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|---------|--------|--|--|
| DRAM    | 4141   | Stage Management Seminar IV                            | Prerequisite: 1141, 2141, 3141 or permission of instructor. A weekly forum for sharing problems on current production assignments, as well as examining the bigger picture of stage management and theatre in America today. (F, Sp)   |
| DRAM    | 4153   | Advanced Scene Design                                  | Prerequisite: DRAM 3053; majors only. An advanced study in scenic design for a variety of theatrical forms, including multiple scene, unit and single settings for dance, drama, musical theatre and opera. (Irreg.)   |
| DRAM    | 4163   | Lighting for Dance/Musical Theatre/Opera               | Prerequisite: 2223, junior standing or permission. In-depth study and experimentations in lighting design of classical story ballets, contemporary modern dance, traditional American musical theatre and opera. The course will focus on design research, production graphics and paperwork, and design presentation. (Irreg.)  |
| DRAM    | 4213   | Lighting Styles  | (Slashlisted with 5213) The course content is based on the experimentation of lighting themes found in symbolism, constructivism, expressionism and absurdism. The course will focus on concept development, execution and presentation. The course will delve deeply into advanced lighting practices and current technology. No student may earn credit in both 4213 and 5213. (Irreg.)      |
| DRAM    | 4233   | Costume Crafts for Theatre                             | Prerequisite: 2233, 2243, 2253, senior standing and permission of instructor. Study of and work with special techniques that employ dying and painting of fabrics and other materials used in costume construction; millinery (construction of headgear). Wig-making and the construction of three-dimensional costume elements such as padding to alter the actor's physical appearance. (Sp) |
| DRAM    | 4243   | Costume Shop Management                                | Prerequisite: 2233, senior standing and permission of instructor. Instruction and experience in shop management including budgeting of resources, time management, personnel, and organization. (Sp)   |
| DRAM    | 4253   | History of Decor                                       | Prerequisite: majors only, junior standing and permission of instructor. Survey of interior and exterior decoration with particular emphasis on theatrical application. (F)  |
| DRAM    | 4263   | Properties and Set Dressing for Theatre, T.V. and Film | Prerequisite: DRAM 2233, junior standing. The course will provide a foundation of the skills associated with the role of the Properties Master for Theatre, T.V. and Film. Students will explore topics on materials, fabrication, period styles, project management, and shop supervision. (Sp)   |
| DRAM    | 4272   | Lighting Production                                    | Prerequisite: DRAM 1134, and DRAM 2223; majors only. The investigation of various lighting crafts including special effects, three-phase power, and lighting console programming. An in-depth study of the role of the master electrician's duties as they are understood in the industry including: power distribution, hang, load-in, and focus sessions. (Irreg.)                           |
| DRAM    | 4323   | Stage Combat I: Unarmed Stage Combat                   | Prerequisite: 2323 and senior standing. Introduces students to the basic principles of unarmed stage combat. Course focuses on safety, emotional commitment and developing proficiency in techniques required for certification by society of American fight directors. (Sp)   |
| DRAM    | 4333   | Stage Combat: Edged Weaponry                           | Prerequisite: 2323 and senior standing. Introduces students to the basic principles of armed stage combat using edged weaponry. Course focuses on safety, emotional commitment and developing proficiency in techniques required for certification by society of American fight directors. (Sp.)   |
| DRAM    | 4353   | Costume Design II                                      | Prerequisite: DRAM 2343, DRAM 3353; majors only. Promotes an understanding of style as a design consideration and encourages an awareness of the relationships between theatrical styles and historical styles. (Irreg.)   |
| DRAM    | 4363   | Costume Design III                                     | Prerequisite: DRAM 2343, DRAM 3353, DRAM 4353; majors only. To further develop costume design students presentation and illustration skills. Also, allows the student to explore every facet of the design process. (Irreg.)   |
| DRAM    | 4413   | Advanced Sound Design                                  | Prerequisite: DRAM 3413. The course builds upon the skills developed in DRAM 3413 to hone critical design practices in the art of Sound Design for the theatre. (F)  |
| DRAM    | 4423   | Sound Scoring  | Prerequisites: MTHR 1501 and DRAM 3413. Develops music research and compositional skills necessary to provide music sufficient to support the artistic goals of a theatrical production. (F)   |

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| Subject | Number | Title                         | Course Description  |
|---------|--------|-------------------------------|---|
| DRAM    | 4513   | Professional Preparation      | Prerequisite: 2523 and juried audition. Teaches the audition process including selection and preparation of audition pieces, preparation of photos and resumes, training for interviews, preparation for advanced training programs and an introduction to issues unique to the performance profession. (F)   |
| DRAM    | 4523   | Acting for the Camera         | Prerequisite: 2523 and jury auditions. Designed to instruct the student in the requirements, discipline, and basic techniques of working on camera as a professional actor, with an appreciation of the full process of creating a film or television program. All work by the student will be videotaped then subsequently replayed with a critique by the instructor. (Sp)  |
| DRAM    | 4533   | Master Teachers of Acting     | Prerequisite: DRAM 2523 and permission of instructor; majors only. A juried audition is required for permission. This is a team-taught course intended for upper-division acting students. The course provides 2-3 weeks each of extensive study of the techniques and methods of six legendary American acting teachers of the Stanislavski method. (Irreg.)   |
| DRAM    | 4643   | Advanced Voice Extended Usage | Prerequisite: juried auditions. This work will focus on developing the voice for extended usage as in combat, laughing, crying, shouting, screaming, topping extraneous noise, and projecting in large or outdoor venues. The foundations of breath, resonance, and the free and open vocal track will be reviewed. Anatomy and care of the voice will also be stressed. Current theories of voice training will be explored through reading and discussion. The performance of monologues and short scenes will be used to practice skills. (Sp) |
| DRAM    | 4733   | Dramaturgy Seminar            | Prerequisite: 3733. Designed to train students to do dramaturgy and literary management as they are currently practiced in American theatre. Develops students' skills in theatre research, writing and script analysis which may be applied to the functions of a dramaturg or other artist in the field. (Irreg.)   |
| DRAM    | 4743   | The Modern Theatre            | Prerequisite: 3713 and 3733 or permission. A survey of the modern western theatre from 1870 to the present emphasizing those departures in playwriting and scenography from the realistic mainstream. (Irreg.)  |
| DRAM    | 4763   | Queer Theatre Through Film    | Prerequisite: Junior standing. A survey of English-language gay and lesbian dramatic literature, using 20th century adaptations from the stage to film. (Sp)  |
| DRAM    | 4773   | Playwriting I                 | Prerequisite: permission. Study and practice in playwriting. Acquaints the student with dramatic structure and technical limitations placed upon material written for dramatic production and provides experience in writing for the stage. (F, Sp)   |
| DRAM    | 4783   | Playwriting II                | Prerequisite: permission. Study and practice in playwriting. Acquaints the student with dramatic structure and technical limitations placed upon material written for dramatic production and provides experience in writing for the stage. (F, Sp)   |
| DRAM    | 4803   | Capstone Experience           | Prerequisite: permission of instructor. Advanced, individual project which demonstrates mastery of skills and knowledge in student's area of interest, selected under advisement and guided by appropriate faculty member(s). Take in the senior year, capstone requires written document, either explanatory or evaluative, of the entire capstone project in appropriate research paper format. (F, Sp, Su) [V]   |
| DRAM    | 4810   | Performance Practicum         | 1 to 2 hours. Prerequisite: permission. May be repeated; maximum credit 10 hours. Study and practice in rehearsal and performance as a cast member of OU Theatre. (F, Sp)   |
| DRAM    | 4820   | Management Studio II          | Prerequisite: 3820 and senior standing in drama. May be repeated with change of content; maximum credit six hours. Base for various units of study pertaining to the fields of theatre management and stage management. (F, Sp)   |
| DRAM    | 4822   | Stage Management Studio II    | Prerequisite: 3822 and senior standing. May be repeated; maximum credit four hours. Practical experience in stage management on university theatre productions. Laboratory (F, Sp)  |
| DRAM    | 4900   | Professional Semester         | 3 to 12 hours. Prerequisite: junior or senior standing. Internship with a non-academic theatre (or theatre-related) organization which will augment the students academic experiences. (F, Sp, Su)  |



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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| DRAM    | 4940   | Special Topics in Theatre               | 2 to 6 hours. Prerequisite: junior standing or permission of instructor. For majors only. May be repeated with change of content; maximum credit six hours. Varying topics in the study and practice of theatre and drama not covered in regularly scheduled courses or new developments within the area of expertise. (Irreg.)   |
| DRAM    | 4960   | Directed Readings                       | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| DRAM    | 4970   | Special Topics/Seminar                  | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| DRAM    | 4990   | Special Studies                         | 2 to 6 hours. Prerequisite: permission. May be repeated with change of subject matter; maximum credit 12 hours. A special creative or research project course on an advanced level in any phase of the theatre or drama adapted to the individual student. (F, Sp, Su)  |
| DRAM    | 5013   | Introduction to Graduate Study          | Prerequisite: graduate standing. Research methods and various types of critical expression and scholarly investigation. (F)   |
| DRAM    | 5050   | Company Workshop for Graduate Students  | 2 to 6 hours. Prerequisite: permission. May be repeated; maximum credit 18 hours. Study and practice in production, rehearsal and performances as members of a theatre company. Laboratory (Su)   |
| DRAM    | 5073   | Developing the Professional Perspective | (Slashlisted with 4073) Prerequisite: graduate standing. Meant to give the artist the life tools to participate and thrive in an artistic lifestyle. No student may earn credit in both 4073 and 5073. (F)  |
| DRAM    | 5112   | Readings in Design Technology           | Prerequisite: graduate standing. Directed readings to provide knowledge of literature in the field. Titles selected from general area of design in the theatre with other titles pertinent to specific area of interest of the student. (F, Sp, Su)   |
| DRAM    | 5142   | Design Apprenticeship                   | Prerequisite: graduate standing and permission. Repeat one time; area may be changed on repetition. Provides professional practice for the student. Student assists designer in area of scenery, lighting or costumes in the research, drafting, rendering, model building, material selection, etc. as applicable in practical production situations. Laboratory (F, Sp, Su)   |
| DRAM    | 5163   | Technical Production Practice           | Prerequisite: 12 hours of drama, including a course in stagecraft. Study in the theory and practice of technical production to render the student capable of assuming the full responsibility for staging a full-length play each semester. (Irreg.)  |
| DRAM    | 5165   | Design Studio                           | Prerequisite: graduate standing and permission. To be taken three times for total of 15 credit hours. Not open for credit toward M.A. degree. The design studio sequence provides the graduate student with experience of both practical and aesthetic nature within his/her design specialization. The student will work with both real and theoretical projects to build skill as designer and technician. Laboratory (F, Sp, Su) |
| DRAM    | 5213   | Lighting Styles                         | (Slashlisted with 4213) Prerequisite: 2223. The course content is based on the experimentation of lighting themes found in symbolism, constructivism, expressionism and absurdism. The course will focus on concept development, execution and presentation. The course will delve deeply into advanced lighting practices and current technology. No student may earn credit in both 4213 and 5213. (Irreg.)                       |
| DRAM    | 5613   | Graduate Directing                      | Prerequisite: 12 hours of drama, including a course in acting, a course in interpretation and a course in directing. May be repeated up to three times with change of topic. A survey covering the various problems the graduate director might encounter. (F, Sp)  |
| DRAM    | 5733   | Graduate Play Structure and Analysis    | Prerequisite: graduate standing or permission of instructor. Instructs students in methods of structural analysis of dramatic literature encompassing a wide range of periods, styles and genres. (Sp)  |

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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| DRAM    | 5743   | Modern Theatre                        | Prerequisite: graduate standing or permission of instructor. Survey of modern American and European theatre from the 1880s to the 1980s, beginning with Realism and following the developments of nonrealistic styles of playwriting and production, through the post-modern period. (Irreg.)   |
| DRAM    | 5900   | Professional Semester                 | Prerequisite: graduate standing. Internship with a non-academic theatre (or theatre-related) organization which will augment the student's academic experiences. (F, Sp, Su)  |
| DRAM    | 5913   | Graduate Production Project           | Prerequisite: 5163 and 5613 or permission. May be repeated with change of subject matter; maximum credit nine hours. Study and practice in assuming full responsibility for the staging of a full-length play. Laboratory (F, Sp, Su)   |
| DRAM    | 5924   | Graduate Performance/Process Studio   | Prerequisite: graduate standing. May be repeated; maximum graduate credit 16 hours for acting students; eight hours for directing students. Concentrated exercises and projects toward the development of the total actor and the director in the context of the actor. Work toward sensitizing the standards to self and environment; work on physical self: the vocal instrument, self in space, through work on scripts and performance of scripts in studio. Laboratory (F, Sp)   |
| DRAM    | 5940   | Special Topics in Theatre Drama       | Prerequisite: graduate standing or permission of instructor. For majors only. May be repeated with change of content; maximum credit nine hours. Varying topics in the study and practice of theatre and drama not covered in regularly scheduled courses or new developments within the area of expertise. (Irreg.)  |
| DRAM    | 5960   | Directed Readings                     | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| DRAM    | 5970   | Graduate Seminar                      | 1 to 4 hours. Prerequisite: 12 hours of drama and graduate standing or permission. May be repeated with change of subject matter; maximum credit 12 hours. (F, Sp, Su)  |
| DRAM    | 5980   | Research for Master's Thesis          | Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. (F, Sp, Su)   |
| DRAM    | 5990   | Special Studies for Graduate Students | 2 to 6 hours. Prerequisite: permission. May be repeated with change of subject matter; maximum credit each time six hours. (F, Sp, Su)  |
| DRAM    | 5999   | Graduate Level Transfer Credit        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| DRDG    | 0112   | Reading Improvement                   | Designed to improve the ability of individual students to read and comprehend college-level material. Each student is tested to permit instruction to begin at the appropriate levels. Not acceptable for credit at the University of Oklahoma. (F, Sp, Su)   |
| DRDG    | 0122   | College Reading Strategies            | A continuation of DRDG 0112. The course focuses on the development of reading strategies for college textbooks. Strategies include comprehension monitoring and how to construct a coherent interpretation of a passage. Not acceptable for credit at the University of Oklahoma. (F, Sp, Su)   |
| DSA     | 4413   | Algorithm Analysis                    | (Crosslisted with C S 4413) Prerequisites: C S 2413 and C S 2813; or MATH 2513; or DSA 5005; and departmental permission. Design and analysis of algorithms and measurement of their complexity. This course introduces various algorithm design strategies--divide and conquer, greedy principle and dynamic programming--to solve a variety of problems using algorithms of various types: deterministic and randomized, serial and parallel, centralized and decentralized, and program based and circuit based. (F)   |
| DSA     | 4513   | Database Management Systems           | (Crosslisted with C S 4513) Prerequisites: C S 2413 and C S 2813; or MATH 2513; or DSA 5005; and departmental permission. The design and implementation of a DBMS including data models, query languages, entity-relationship diagrams, functional dependencies, normalization, storage structures, access methods, query processing, security and transaction management, and applications. The impact of databases on individuals, organizations, and society, and legal and professional responsibilities including security and privacy will be discussed. A commercial DBMS is used. Students practice written communication skills. (F) |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| DSA     | 5001   | Data Analytics and Media                         | Prerequisites: Departmental permission; graduate standing. This course covers the application of data analytics to the media environment. Students will learn the application and usage of data analytics in media and its effectiveness; and how data analytics provides research tools to collect audiences' opinion on political, social, public issues, and consumers' responses to the brand. (Irreg.)  |
| DSA     | 5005   | Computing Structures                             | (Crosslisted with C S 5005) Prerequisite: CS 2334, MATH 1914 or MATH 1823 or with permission of graduate liaison. This course has three parts: discrete mathematics, object-oriented programming in C++, and data structures in C++. As part of the discrete mathematics students will be introduced to combinatorics, logic, relations, functions, computational complexity, automata, and graph theory. Students will be introduced to the fundamentals of object-oriented programming and learn to design, build, and analyze data structures using object-oriented principles and techniques. Credit hours earned for this course cannot be used to fulfill degree requirements for the B.S., M.S. or Ph.D. programs in computer science. (Irreg.)   |
| DSA     | 5011   | Introduction to R                                | Prerequisites: departmental permission; graduate standing. R is a free open source statistical programming language used by professionals in every field and industry. This introductory course aims to provide students with the fundamentals of R and R Studio. Instead of passively watching videos, students will apply R to solve real data problems while receiving instant and personalized feedback that guides them to the correct solution. (Irreg.)   |
| DSA     | 5013   | Fundamentals of Engineering Statistical Analysis | (Crosslisted with ISE 5013) Prerequisite: graduate standing. Introduction to probability, expectation, discrete and continuous distributions, sampling and descriptive statistics, parameter estimation, and statistical tests to aid decision making. The student will learn analysis techniques for verification of systems parameters. (F, Sp)  |
| DSA     | 5021   | Data Analytics Applied to Meteorology Data       | Prerequisites: departmental permission; graduate standing. This course focuses on meteorology data that is stored regularly in space and time, so-called gridded data. For example, satellite or forecast data that is stored in a specific latitude-longitude grid, and available at uniform increments in time. Analysis of gridded data is abetted by programming in Python, offering an array syntax that exploits the uniformity of data. (Irreg.)  |
| DSA     | 5103   | Intelligent Data Analytics                       | (Crosslisted with ISE 5103) Prerequisite: graduate standing or permission of instructor; ISE 3293 or ISE 5013; CS 1313 or CS 1323. In our society, data is rapidly increasing in volume, velocity, and variety. At the same time computing power and the sophistication of data analysis techniques are increasing. However, even with the expanding capabilities, businesses and organizations often find themselves "data rich, but information poor." Intelligent Data Analysis is a holistic approach to addressing real-world data intensive problems that integrates human intuition with data analysis tools to best draw out meaningful insights. To this end, the course has four underlying themes: defining the Problem, understanding and coping with Data, selecting and using appropriate Analytical Tools, and discovering and communicating the Insight. Techniques covered include data cleansing and pre-processing, exploratory analysis and visualization, dimension reduction, linear and logistic regression, decision trees, and clustering. This course will introduce students to a powerful open source statistical programming language (R) and include extensive hands-on data analysis and team projects. (F) |
| DSA     | 5113   | Advanced Analytics and Metaheuristics            | (Crosslisted with ISE 5113) Prerequisite: ISE 5013, graduate standing or permission of Instructor. Explores advanced techniques for addressing complex optimization problems. Focus is on formulating mathematical models and developing problem solving strategies using methods in the context of Data Science and Analytics. Topics include continuous and combinatorial optimization with an emphasis on both traditional and modern heuristic techniques. (Sp)  |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| DSA     | 5900   | Professional Practice          | 1 to 4 hours. Prerequisite: Completed or concurrent enrollment in DSA 5103, DSA 5113, DSA 4413, and DSA 4513. Graduate standing and departmental permission. May be repeated; maximum credit four hours. Participation in a professional experience with an approved project sponsor and topic. A written report detailing the responsibilities and results of the experience is required upon completion along with an oral presentation. (F, Sp, Su)  |
| DSA     | 5970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated with a change of subject matter; maximum credit 12 hours. Selected topics of current research interest not covered by regularly scheduled coursework. (F, Sp, Su) (Irreg.)  |
| EACS    | 1999   | Lower Division Transfer Credit | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| EACS    | 2400   | Field Experiences in Education | (Also listed under Professional Studies in Education.) 1 to 3 hours. Introduction to education as a profession based upon assignment to public schools and other educational agencies. Students will be expected to observe the schools in action, interact with students and professionals and participate in the instructional process. (F, Sp, Su)   |
| EACS    | 2960   | Individual Study               | 1 to 4 hours. Prerequisite: good standing in University; fewer than 62 total hours; approval of instructor and dean. May be repeated; maximum credit four hours. Designed to provide an introduction to the study of education through a rigorous program of readings under the direction of a member of the faculty. (Irreg.)  |
| EACS    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| EACS    | 3960   | Honors Reading                 | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| EACS    | 3970   | Honors Seminar                 | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| EACS    | 3980   | Honors Research                | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| EACS    | 3990   | Independent Study              | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| EACS    | 3999   | Upper Division Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| EACS    | 4960   | Directed Readings In Education | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| EACS    | 4970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |

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| Subject | Number | Title                                  | Course Description   |
|---------|--------|--|--|
| EACS    | 4980   | Practicum in Education                 | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)   |
| EACS    | 4990   | Special Problems in Education          | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of title and subject. Variable as to subject and credit for areas of specialty and/or interest not otherwise provided in the standard offering of courses. (Irreg.)  |
| EACS    | 5233   | The Organization of Education          | Prerequisite: graduate standing. The organization of American schools. The history, relationships, functions, present status and trends in local, state and national education agencies. The places which professional educational associations, citizen's committees and other influential groups have in relation to schools. The administrative hierarchy in schools and the special functions of each level. The multicultural aspects of schooling in America. (F, Sp, Su)  |
| EACS    | 5263   | Education and the Law                  | Prerequisite: graduate standing. Legal framework of education in the United States; consideration of federal and state constitutional provisions, federal and state statutes, federal and state judicial decisions and rules and regulations of the various federal and state agencies which affect education. (F, Sp, Su)   |
| EACS    | 5333   | Politics in Educational Administration | Prerequisite: graduate standing. An overview of political activities at the local, state, and federal levels that will enhance the professional development of school administrators. Issues addressed include micro-politics at the school site and district offices; superintendent and school board relations; lobbying legislators and dealing with interest groups; the state political process, federal aid; and analysis of current political controversies. (F, Sp)  |
| EACS    | 5343   | Financial Leadership in the Schools    | Prerequisite: graduate standing. Primarily for prospective building level educational leaders, and includes a comprehensive overview of the effective management of fiscal resources in public schools. (Su)   |
| EACS    | 5403   | Inquiry for Performance Improvement    | Prerequisite: graduate standing. School administrators need to draw on knowledge and competencies related to the inquiry process, measurement and assessment, and data collection, analysis, and interpretation to lead continuous improvement. Inquiry for performance improvement is designed to develop the capacity of school leaders to manage effective performance by applying competencies of organizational research and development to the design and implementation of a balanced approach to performance management. (F, Sp) |
| EACS    | 5543   | School Level Instructional Leadership  | Prerequisite: graduate standing. Focuses on school-level leadership in the areas of instructional and curriculum leadership. In the areas of instruction, the role of the principal is to develop the instructional capacity of teachers by developing human capital, enhancing the quality of teaching resources, developing instructional cultures/climate to improve teaching and learning. (F, Sp)   |
| EACS    | 5573   | Supervision of Instruction             | Prerequisite: graduate standing. Focuses upon the clinical supervision of the classroom environment, instructional procedures and the evaluation of teaching through the processes of observation and consultation. Participants develop control of the instrumentation and procedures which enable them to gather, display and interpret data relevant to the evaluation of classroom environments. (F, Sp)   |
| EACS    | 5593   | Principal Leadership                   | Prerequisite: graduate standing. School leadership; effective schools; elementary and secondary administration; administration characteristics and responsibilities including personnel, fiscal, facility organization governance, and evaluation. (F)   |
| EACS    | 5613   | Human Relations in Education           | (Crosslisted with H R 5613) Prerequisite: graduate standing. Focuses on intrapersonal, interpersonal and intergroup relations problems in the public schools. Specifically, deals with persistent school/classroom problems associated with multiculturalism. Attempts to blend theory and practice through a lecture/discussion/problem-solving approach. Emphasizes teacher self-awareness as a major aspect of the human relations approach. (F, Sp)  |

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| Subject | Number | Title                                     | Course Description   |
|---------|--------|---|--|
| EACS    | 5623   | School and Staff Development Management   | Prerequisite: graduate standing. Provides preparation in the development of technical and conceptual skills applicable to principals in their establishment of professional cultures in school environment(s). Topics will include: staff development; school climate variables; school imaging problems, strategies, and improvement models; student special interest programs and recognition procedures; and involving external groups in school improvement. (F, Sp)   |
| EACS    | 5693   | Technology in Educational Administration  | Prerequisite: graduate standing. Provides the administrator the training in theory and application of computer concepts and the utilization of specific software programs and applications to enhance administrative decision making. (F)  |
| EACS    | 5793   | Technology Staff Development in Education | Prerequisite: 5693 or equivalent. Technology in the form of computers and multimedia devices is becoming increasingly prevalent in classrooms. As school districts are expending more funds to purchase equipment and provide networking, it is important that educators have the training and development necessary to effectively utilize technology to improve the instruction of students. The course is designed to familiarize students with research and best practices in the area of technology staff development. (Sp) |
| EACS    | 5910   | Practicum in Education--Master's          | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)  |
| EACS    | 5920   | Internship in Education--Master's         | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EACS    | 5940   | Field Studies in Education                | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.)                 |
| EACS    | 5960   | Directed Readings                         | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)   |
| EACS    | 5970   | Special Topics/Seminar                    | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EACS    | 5980   | Research For Master's Thesis              | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| EACS    | 5990   | Independent Study                         | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| EACS    | 5999   | Graduate Level Transfer Credit            | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| EACS    | 6023   | Applied Quantitative Research Methods in Educational Administration | Prerequisite: graduate standing. Designed to provide advanced graduate students with research skills required of effective executive educational leaders. This course will provide students with the analytical tools necessary to become effective, critical consumers of educational research, and to enable potential educational leaders to oversee and supervise staff in the preparation, development, and dissemination of evaluative research. (F)  |
| EACS    | 6033   | Advanced Curriculum Development                                     | Prerequisite: graduate standing. Concepts of curriculum in K-12 education; program development; learning theories as related to curriculum; materials and media; principles of program and curriculum development; and construction of curriculum materials. (F)  |
| EACS    | 6103   | Visionary Leadership in Education                                   | Prerequisite: graduate standing. The course is intended to prepare educational leaders who value and are committed to educating all students to become successful adults. Included is a detailed analysis of the role of vision and visionary leadership in educational organizations. Both scholarly literature and best practices concerning visionary leadership in education underlay course activities and discussions. (F)  |
| EACS    | 6123   | Administrative and Organizational Theory                            | Prerequisite: graduate standing. An introduction to the important theoretical bases underlying the administration of organizations, particularly educational organizations; topics include bureaucracy, social systems, leadership, decision-making, properties of systems, communication and situational analysis. (F, Sp)   |
| EACS    | 6133   | Qualitative Inquiry for Practitioners                               | Prerequisite: graduate standing. Introduces graduate students to concepts, methods, and issues in qualitative research as it is used in educational settings. Draws attention to epistemological and ethical concerns in social science and to strategic and logistical issues in the conduct of field research. Both positivist and interpretive approaches to the use of qualitative methods will be explored. Concept and theory building, strategies and techniques, and discussions of different issues of reliability and validity in the use of qualitative data will be emphasized. (F) |
| EACS    | 6203   | Instructional Leadership in Educational Administration              | Prerequisite: graduate standing. Focuses on instructional leadership and its emphasis on competencies necessary for leadership and management of school districts. The class draws from research, public policy and educational practices related to curriculum, instruction, assessment, strategic planning, and professional growth plans. Will enable school district administrators to plan for the integration of technology in curriculum implementation, instructional strategies, and evaluation/assessment. (Sp)   |
| EACS    | 6213   | Policy Evaluation   | Prerequisite: graduate standing or permission of instructor. A review of selected theoretical evaluation models; topics include techniques of evaluation, generation of performance objectives, forecasting, simulation, and gaming. (Sp)   |
| EACS    | 6223   | Policy Planning and Development in Education                        | Prerequisite: graduate standing or permission of instructor. An introduction to analytical techniques applicable to the development of education policy. Includes consideration of decision theory and its application to policy making. Social, political, economic and multicultural factors in the organization and its environment will be explored as contexts within which educational policy is established. (F)   |
| EACS    | 6243   | Education and the Law   | Prerequisite: graduate standing. Legal framework of education in the United States; consideration of federal and state constitutional provisions, federal and state statutes, federal and state judicial decisions and rules and regulations of the various federal and state agencies which affect education. (F, Sp, Su)  |
| EACS    | 6253   | Financing Education   | Prerequisite: graduate standing, 5213, 5223, or equivalent or permission of instructor. A consideration of the roles of federal, state and local governments in the financing of education. Attention is given to the important contemporary issues related to educational financing at all three governmental levels. Also includes an introduction to the economics of education. (Sp)  |
| EACS    | 6263   | Educational and Community Relations                                 | Prerequisite: graduate standing or permission of instructor. Examines the field of intra/interpersonal relationships in the context of educational organizations and their constituent communities; topics include authenticity, organizational communication, leader behavior, group dynamics, and conflict management. (F)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| EACS    | 6273   | Personnel Administration in Education         | Prerequisite: graduate standing or permission of instructor. Emphasizes application of selected concepts from the social sciences and organization theory which relate to understanding and managing people within the organizational setting. Focus is on all aspects of the personnel function including: manpower planning, recruitment, selection, placement, evaluation, development, compensation, security and an introduction to collective negotiations. (Sp)  |
| EACS    | 6303   | Strategic and Financial Planning in Education | Prerequisite: graduate standing. Strategic planning enables a district or school to shape and guide its overall educational objectives. Through effective strategic planning an educational organization creates a framework for developing, adapting and aligning organizational vision, mission and goals to achieve and sustain its desired educational outcomes. A critical element of the planning process is financial planning, in which the organization's goals are aligned with organizational resources. Course focuses on the leadership competencies necessary to formulate, execute and monitor the strategic planning for an educational organization based on research-based analytical techniques and models. Includes an examination for school district risk management. (Sp)  |
| EACS    | 6333   | Politics in Educational Administration        | Prerequisite: graduate standing. An overview of political activities at the local, state, and federal levels that will enhance the professional development of school administrators. Issues addressed include micro-politics at the school site and district offices; superintendent and school board relations; lobbying legislators and dealing with interest groups; the state political process, federal aid; and analysis of current political controversies. (F, Sp)   |
| EACS    | 6503   | Ethics in Educational Administration          | Prerequisite: graduate standing. Intends to familiarize upper-level graduate students with ethical theories that can be utilized in the policy development and administration of school districts and related decision making. Prepares students to enter school district management with the skills necessary to assume a successful leadership role. Firm grounding in the current problems of today's schools will be used as an opportunity to explore decision making capacity as a district level administrator. Students will learn the foundations of ethics which will promote decision making. Challenges students to understand and apply ethical considerations with regard to 1) the rights of others with regard to confidentiality, dignity and honesty; 2) sensitivity to student diversity; and 3) impartiality in their interactions with others. Students will explain decisions based on ethical and legal principles. (Sp) |
| EACS    | 6663   | Special Education Law                         | Prerequisite: graduate standing. Enables students to understand the legal complexities involved in identifying and providing educational services to students with special needs. (F)   |
| EACS    | 6673   | Advanced Inquiry                              | Prerequisites: graduate standing and EACS 6023, 6713, and 6970. The course is intended to help provide advanced graduate students with necessary analytical skills to become effective consumers of research, and to produce an effective doctoral dissertation. The course focuses on skills related to formulation of research problems, developing research proposals, collection, analysis and interpretation of data. (Fa, Su)   |
| EACS    | 6693   | Educational Technology Leadership             | Prerequisite: graduate standing, 5693. Designed to help enhance the competencies of school district administrators in the area of educational technology leadership. Focuses on technology leadership (at the central office level), rather than technology user skills. Intended for district level leaders (such as superintendents) who are not technology specialists (e.g., the course is not intended for district level technology directors or coordinators). (F)   |
| EACS    | 6713   | Pro Seminar                                   | (Crosslisted with EDAH 6713 and EDS 6713) Prerequisite: graduate standing. The purpose of the Pro Seminar is to introduce beginning doctoral students to the concept and process of research. Included are issues related to the role of philosophical frameworks, theory, research conceptualization, scholarly writing, and rudimentary research methods. (F, Sp, Su)   |
| EACS    | 6902   | Pre-Doctoral Seminar                          | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)  |



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| Subject | Number | Title                              | Course Description   |
|---------|--------|------------------------------------|--|
| EACS    | 6910   | Practicum in Education--Doctoral   | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)                                     |
| EACS    | 6920   | Internship in Education--Doctoral  | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.) |
| EACS    | 6930   | Intensive Studies in Education     | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)                      |
| EACS    | 6960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| EACS    | 6970   | Post-Master's Seminar              | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)   |
| EACS    | 6980   | Research for Doctoral Dissertation | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)  |
| EACS    | 6990   | Individual Study in Education      | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)  |
| ECE     | 1999   | Lower Division Transfer Credit     | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| ECE     | 2214   | Digital Design                     | Prerequisite: MATH 1823 or MATH 1914. Number systems, Boolean algebra, minimization procedures, combinational logic functions, introduction to sequential logic design, finite state machines and clocked (synchronous) sequential circuits. Analysis, synthesis and implementation are appropriately emphasized. (F, Sp)  |
| ECE     | 2281   | Engineering Co-Op Program          | (Crosslisted with AME, CH E, CEES, C S, ENGR, EPHY, G E, I E, P E 2281) Prerequisite: student participation in the program. The co-op program provides student placement in jobs outside the university, but in a position related to the student's major. On completion of a semester work period, the student submits a brief written report. One hour of credit (elective) granted for each work period, with a maximum credit of six hours. (F, Sp, Su)      |
| ECE     | 2713   | Digital Signals and Filtering      | Prerequisites: ENGR 1411 or ENGR 3511 or concurrent enrollment; CS 1313 or CS 1323 or concurrent enrollment; and MATH 2423 or 2924. Digital signals and filter, discrete Fourier A and Z transforms, sampling. (F, Sp)   |
| ECE     | 2723   | Electrical Circuits I              | Prerequisites: ECE 2713 or concurrent enrollment in ECE 2713; MATH 2423 or 2924; PHYS 2524. Introduction to circuit elements and the laws of electrical science. Loop and nodal analysis solution methods. Thevenin and Norton equivalent circuits. Superposition and source transformation methods. Laplace transform analysis of electrical circuits. Guest lectures introducing advanced topics. (F, Sp)  |
| ECE     | 2970   | Special Topics                     | 1 to 3 hours. Prerequisite: Permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ECE     | 3113   | Energy Conversion I  | Prerequisite: ECE 2723 and ECE 3613. Survey of methods of energy conversion; field-energy force relationships, equations of motion, incremental motion transducers, transformer theory; introduction to rotating machines. (Sp)   |
| ECE     | 3223   | Microprocessor System Design                               | Prerequisite: ECE 3773 or concurrent enrollment. Review of clocked sequential circuits; MSI/LSI devices and applications, including registers, busing, combinational functions; use of microprocessors and logic design using microprocessors. Emphasizes assembly of full functional units into workable systems. (F, Sp)  |
| ECE     | 3323   | Introduction to Solid State Electronic Devices             | Prerequisite: 3613. Introduction to quantum mechanics, crystal properties and growth of semiconductors, energy bands in solids, charge carriers in semi-conductors, excess carriers in semiconductors, and introduction to diodes and transistors. (F, Sp)  |
| ECE     | 3440   | Mentored Research Experience                               | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| ECE     | 3613   | Electromagnetic Fields I                                   | Prerequisite: ECE 2723 and MATH 2443 or MATH 2934 and Mathematics 3113. Electrostatic and magnetostatic fields and sources, boundary conditions; introduction to Laplace's and Poisson's equations; quasi-stationary and time-varying fields; Maxwell's equations and circuit concepts. (F, Sp)   |
| ECE     | 3723   | Electrical Circuits II                                     | Prerequisites: ECE 2713, ECE 2723; and MATH 3113 or concurrent enrollment in MATH 3113. Analysis of electrical circuits in both time and frequency domains. Continuation of AC circuit theory, use of two port network theorems, impulse response, convolution, and differential equations. Laplace and Fourier transform analysis of electrical circuits. (F, Sp)  |
| ECE     | 3773   | Electrical and Computer Engineering Circuits Laboratory    | Prerequisite: ECE 2214 and either ECE 3723 or concurrent enrollment in ECE 3723. Electrical laboratory procedures, circuit construction, debug and experimental Confirmation of the principles of circuit theory. Introduction to use of laboratory instrumentation, including skills in the use of the oscilloscope in the evaluation of DC and AC circuits. Use and application of diodes, operational amplifiers and programmable logic devices. (F, Sp)                   |
| ECE     | 3793   | Signals and Systems  | Prerequisites: ECE 2713, ECE 2723, MATH 3113; and MATH 3333 or concurrent enrollment in MATH 3333. Linear systems; time domain analysis; frequency domain analysis; Fourier, Laplace and Z-transforms; introduction to communications and control. (F, Sp)  |
| ECE     | 3813   | Introductory Electronics                                   | Prerequisites: ECE 2713, and ECE 2723; CHEM 1315; and MATH 2443 or 2934 or concurrent enrollment in MATH 2443 or 2934. Small and large signal characteristics and models of electronic devices; analysis and design of elementary electronic circuits. (F, Sp)  |
| ECE     | 3873   | Electrical and Computer Engineering Electronics Laboratory | Prerequisite: ECE 3723, ECE 3773, ECE 3813, and Engineering 2002 or 2003. Electronic analog circuit design, simulation, construction, debugging and measurement of circuit performance quantities using advanced instrumentation techniques; circuit reliability theory; independent design skills development and technical writing. (F, Sp)   |
| ECE     | 3960   | Honors Reading   | Prerequisite: admission to Honors program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers materials not usually presented in the regular courses. (F, Sp, Su)   |
| ECE     | 3970   | Honors Seminar   | Prerequisite: Admission to Honors program. May be repeated; maximum credit six hours. Projects covered will vary. Deal with concepts not usually presented in regular coursework.   |
| ECE     | 3980   | Honors Research  | Prerequisite: admission to Honors program. May be repeated; maximum credit six hours. provides an opportunity for the gifted Honors candidate to work on a special project in the student's field. (F, Sp, Su)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ECE     | 3990   | Independent Study                            | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| ECE     | 3999   | Upper Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| ECE     | 4113   | Analysis of Electrical Transmission          | Prerequisite: 3113. Transmission and distribution of electrical energy, particularly addressing electrical transmission systems in the competitive energy market. (F)  |
| ECE     | 4213   | Digital Signal Processing                    | (Slashlisted with 5213) Prerequisite: 3793. Discrete-time linear systems, finite duration impulse response digital filters, finite work length effects, spectral analysis, fast Fourier-transforms, two-dimensional signal processing and applications. No student may earn credit for both 4213 and 5213. (F)   |
| ECE     | 4273   | Digital Design Laboratory                    | Prerequisites: ECE 3223 and ECE 3873. Design of digital systems with integrated circuits and MSI/LSI and microprocessor interfacing. Laboratory (F, Sp)  |
| ECE     | 4363   | Optical Engineering                          | (Slashlisted with 5363) Prerequisite: ECE 3793. Underlying theory and design of optical systems. Interference, diffraction and coherence phenomena will be examined as a basis for studying the limits of optical system performance. Other topics include a detailed study of polarization, the interaction of light with various media and geometrical optics. No student may earn credit for both 4363 and 5363. (Sp) |
| ECE     | 4383   | IC Fabrication Technology I                  | (Slashlisted with 5383) Prerequisite: 3323. A treatment of the theory and processes involved in the fabrication of integrated circuits. No student may earn credit in both 4383 and 5383. (F)  |
| ECE     | 4393   | Integrated Circuit Fabrication Technology II | (Slashlisted with 5393) Prerequisite: senior standing and ECE 4383. Students will gain hands-on experiences of cleanroom technologies of the semiconductor industry, including epitaxial crystal growth, photolithography, and some techniques such as SEM. No student may earn credit for both 4393 and 5393. (Sp)  |
| ECE     | 4413   | Introduction to Control System Engineering   | Prerequisite: 3793. Analysis and synthesis of control systems; control systems performance and applications. (F)   |
| ECE     | 4433   | Measurement and Automation                   | (Slashlisted with 5433) Prerequisite: ECE 3793 or instructor permission or systems course in another major. Fundamentals of data acquisition and control. A series of design projects in data acquisition, logging and real-time analysis. Includes machine vision and image processing as well as vibration, motion and real-time control. No student may earn credit for both 4433 and 5433. (F)                       |
| ECE     | 4523   | Introduction to Communication Theory         | Prerequisite: 3793. An introductory treatment of statistical communication theory; description of a random process by auto-correlation and power spectral density functions, sources and properties of electrical noise, the effects of modulation, detection and filtering on signal information content, bandwidth and signal-to-noise ratio. (Sp)   |
| ECE     | 4613   | Computer Architecture                        | (Crosslisted with C S 4613) Prerequisite: 3223 or Computer Science 2613. Covers basic concepts of computer system design and communication between components, along with current and historical examples of computer architecture. (F, Sp)  |
| ECE     | 4623   | Computer Hardware Design                     | (Slashlisted with 5623) Prerequisite: 3223. Design of modern digital computing circuits, computer arithmetic, number systems, state machines, control units, data transfer, bus interfacing, VHDL language elements and usage, circuit simulation. No student may earn credit for both 4623 and 5623. (F)  |
| ECE     | 4643   | Radio Frequency and Microwave Engineering    | (Slashlisted with 5653) Prerequisite: ECE 3613. Analysis of radio frequency (RF) and microwave components, circuits and systems using modern engineering tools and measurement instruments. No student may earn credit for both 4643 and 5643. (Sp)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                                       | Course Description   |
|---------|--------|---|--|
| ECE     | 4653   | Digital Radar Systems                       | (Slashlisted with 5653) Prerequisite: ECE 3793. Modern and next-generation radar systems, with an emphasis on the digital receiver and post processing that follows the RF front-end. Several off-the-shelf receiver case studies will be conducted. These will focus on analog-to-digital converter (ADC) selection followed by software defined radio (SDR) concepts for field programmable gate array (FPGA) implementation. These receivers may also be used for communication systems and have other broad applications. No student may earn credit for both 4653 and 5653. (F) |
| ECE     | 4663   | Radar Engineering                           | (Crosslisted with METR 4663; Slashlisted with 5663) Prerequisite: Grade of C or better in 3613, or permission. Introduction to radar system designs and applications with emphasis on weather radar; radar system architecture and their functionalities and limitations of subsystems; theories of radar detection and estimation in a noisy and cluttered environment; existing technologies and advanced techniques to improve radar performance. No student may earn credit in both 4663 and 5663. (F)   |
| ECE     | 4693   | Antennas                                    | (Slashlisted with 5693). Prerequisite: ECE 3613 and ECE 4703 or permission of instructor. Introduction to antenna theory and design. Course covers design, construction, and measurement of antennas including, but not limited to the following specific types; dipoles, loops, aperture, microstrip, and broadband antennas, as well as array theory. No student may earn credit for both 4693 and 5693. (Sp)  |
| ECE     | 4703   | Electromagnetic Fields and Wave Propagation | (Slashlisted with 5703). Prerequisite: ECE 3613. Maxwell's Equations, time-harmonic fields, plane waves, reflections on interfaces, waveguides and transmission lines, radiation, and antenna basics. No student may earn credit for both 4703 and 5703. (F, Sp)   |
| ECE     | 4733   | RF & Microwave Filter Design                | (Slashlisted with 5733) Prerequisite: instructor permission. Introduction to advanced filter design. The use of filters is very widespread in all aspects of communication and radar systems. At the end of the semester, a student that has successfully embraced the subject will be able to design, fabricate, and test filters, using a range of different technologies and methods. No student may receive credit for both 4733 and 5733. (Sp)  |
| ECE     | 4773   | Laboratory (Special Projects)               | Prerequisite: 4273 or concurrent enrollment in 4273. Individually supervised special engineering problems of experimental nature. Laboratory (F, Sp) [V]   |
| ECE     | 4813   | Electronics                                 | Prerequisite: 3813. Analysis and design of electronic circuits such as multi-stage amplifiers, feedback amplifiers, oscillators and power amplifiers. (Sp)   |
| ECE     | 4823   | Engineering Principles of the Human Body    | Prerequisites: ECE 2723, PHYS 2514, MATH 2423 or 2924. Introduction to the foundational engineering approach to analyzing the human body's anatomy and physiological function. Topics include muscle and forces, fluid dynamics of the lungs and cardiovascular system, electrical signals in the body, and vision and optics of the eye. (Sp)   |
| ECE     | 4833   | VLSI Digital System Design                  | (Slashlisted with 5833) Prerequisite: ECE 3223 and ECE 3873. An introduction to Very-Large-Scale Integrated (VLSI) systems design methods; complementary Metal-Oxide Semiconductor (CMOS) technology emphasized. VLSI Computer Aided Design (CAD) tools and CMOS layout rules and techniques. Project oriented. No student may earn credit for both 4833 and 5833. (F)   |
| ECE     | 4853   | Biomedical Signals and Systems              | (Slashlisted with 5853) Prerequisite: ECE 3723 and ECE 3793, or equivalent courses in electrical circuits and signal processing, or permission of instructor. Comprehensive coverage of topics related to signals in humans. Emphasis on using engineering tools to interpret signals and underlying physiological principles. Focus on emerging engineering technologies, physiological knowledge and clinical application. No student may earn credit for both 4853 and 5853. (Sp)   |

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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| ECE     | 4863   | Bioinstrumentation                      | (Slashlisted with 5863) Prerequisite: ECE 3723 or ECE 4813 or permission of instructor. A comprehensive coverage of topics related to principles, applications and design of medical instruments widely used in hospitals and clinical research. Emphasis is placed on general design concepts, discussions on a great variety of medical devices and medical device safety issues. Materials cover different levels and various aspects of human systems, such as heart, brain, circulation, respiration and so on. Reading projects cover the state-of-the-art developments in advanced medical devices. No student may earn credit for both 4863 and 5863. (F, Sp) |
| ECE     | 4960   | Directed Readings                       | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| ECE     | 4970   | Special Topics/Seminar                  | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| ECE     | 4973   | Special Topics                          | Prerequisite: Varies with course content. May be repeated with change of subject; maximum credit six hours in combination with 4990. Devoted to special topics in Electrical and Computer Engineering not covered in the current curriculum. (F, Sp, Su)  |
| ECE     | 4990   | Special Studies                         | Prerequisite: Senior standing and permission. May be repeated with change of subject matter; maximum credit six hours in combination with 4973. Devoted to supervised individual studies of special topics (S/U Graded) in Electrical and Computer Engineering. (F, Sp, Su)   |
| ECE     | 5063   | Pattern Recognition and Computer Vision | Prerequisite: MATH 2433 or MATH 2934, MATH 3333, ISE 3293 or MATH 4753, and graduate standing. Covers the theory, methods and applications of computer vision. Topics include binary machine vision, multiscale vision, color vision, low-level and high-level vision, 2-D and 3-D vision with both static images and dynamic scenes. (F)   |
| ECE     | 5123   | Wireless Communications                 | (Crosslisted with TCOM 5123) Prerequisite: 3793 or permission. Wireless communications principles, multiple access techniques, wireless networking, and systems and standards. (F)  |
| ECE     | 5153   | Emerging Topics in LTE-Advanced and 5G  | (Crosslisted with TCOM 5153) Prerequisite: graduate standing. This course will train students to master the latest developments in the rapidly evolving landscape in wireless cellular networks, thereby preparing them for working on emerging as well as near future wireless technologies. Focuses on selected topics for research and development of LTE-A and 5G cellular networks. These topics include: PHY and MAC layer techniques suitable LTE-A & 5G; network densification techniques such as HetNets and C-RAN; Self Organizing Networks (SON); and Big Data Empowered SON. (Sp)   |
| ECE     | 5183   | Quantum Information Theory              | (Crosslisted with TCOM 5183) Prerequisite: linear algebra. Introductory course of quantum information theory. Topics covered include quantum state, quantum measurement, quantum channels, No-Cloning Theorem, Bell's inequalities, entanglement, quantum dense coding, quantum teleportation, distance measures, quantum entropy, quantum mutual information, information of quantum channels. (F)   |
| ECE     | 5213   | Digital Signal Processing               | (Slashlisted with 4213) Prerequisite: 3793. Discrete-time linear systems, finite duration impulse response digital filters, infinite impulse response digital filters, finite word length effects, spectral analysis, fast Fourier-transforms, two-dimensional signal processing and applications. No student may earn credit for both 4213 and 5213. (F)   |
| ECE     | 5223   | Estimation and Identification           | Prerequisite: 5403 and 5523. Estimation and filtering, optimal filtering, modeling, parametric and nonparametric identification methods. (Sp)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ECE     | 5243   | Logic and Computer Design in Nanospace            | Prerequisite: permission of instructor. Intro to nanotechnologies, combinational logic (gates, encoders, decoders, multiplexers, demultiplexers), design in nanospace, sequential logic (flip-flops, registers, counters, memories), design in nanospace, design of basic nanocomputers, parallel computation in nanospace, fault-tolerant computation, information measures in nanodimensions. (Sp)                     |
| ECE     | 5253   | Digital Systems Interfaces                        | Prerequisite: 3223. Provides formal background in asynchronous sequential circuit design (fundamental mode circuits, races, hazards and pulse mode design), followed by a treatment of standard interface conventions for data transmission and reception and a discussion of priority interrupt systems. Finally, the use of A/D and D/A converters is presented. (Sp)  |
| ECE     | 5273   | Digital Image Processing                          | Prerequisite: 3793 or permission of instructor. This course covers the theory, methods, and applications of image enhancement, image restoration, image compression, image segmentation, image representation and description, and image recognition and interpretation. (Sp)  |
| ECE     | 5283   | Special Topics in Digital Signal/Image Processing | Prerequisite: 4213/5213 or 5273 or permission. May be repeated with change of content; maximum credit 12 hours. Selected topics in current research interest not covered by regularly scheduled course work. (Irreg.)  |
| ECE     | 5303   | Solid State Electronics I                         | Prerequisite: 3323. Principles and applications of electronic properties of solids for devices with particular emphasis on semiconductor junction, bulk and field effect devices. (F)  |
| ECE     | 5313   | Semiconductor Material & Device Characterization  | Prerequisite: 3323. Characterization techniques and underlying principles for measuring semiconductor materials and devices. (Sp)  |
| ECE     | 5323   | Opto-Electronics I                                | Prerequisite: 3323 or Engineering 2313. Introduction to phenomenological and quantum mechanical theory of solids; introduction to lasers and masers with particular emphasis on the physical mechanisms underlying interactions between electromagnetic radiation and atomic systems. (F, Sp)  |
| ECE     | 5343   | Quantum Structures and Devices                    | Prerequisite: ECE 3323 or permission of instructor. Theory and application of KP method, strain effects, electrical and optical properties of quantum structures, semiconductor quantum devices including quantum well infrared photodetectors, quantum cascade and interband cascade lasers, type-II superlattice detectors. (Sp)   |
| ECE     | 5363   | Optical Engineering                               | (Slashlisted with 4363) Prerequisite: ECE 3793. Underlying theory and design of optical systems. Interference, diffraction and coherence phenomena will be examined as a basis for studying the limits of optical system performance. Other topics include a detailed study of polarization, the interaction of light with various media and geometrical optics. No student can earn credit for both 4363 and 5363. (Sp) |
| ECE     | 5383   | IC Fabrication Technology I                       | (Slashlisted with 4383) Prerequisite: 3323. A treatment of the theory and processes involved in the fabrication of integrated circuits. No student may earn credit for both 4383 and 5383. (F)   |
| ECE     | 5393   | Integrated Circuit Fabrication Technology II      | (Slashlisted ECE 4393) Prerequisite: ECE 5383. Students will gain hands-on experiences of cleanroom technologies of the semiconductor industry, including epitaxial crystal growth, photolithography, and some techniques such as SEM. No student may earn credit for both 4393 and 5393. (Sp)   |
| ECE     | 5403   | Linear Systems Analysis                           | Prerequisite: Math 3333. In-depth background course in methods of linear analysis in systems engineering. Topics include least squares methods, singular value decomposition, continuous and discrete time linear dynamical systems, controllability and state transfer. (F)   |
| ECE     | 5413   | Control Theory                                    | Prerequisite: 4413, 5403. Controllability, optimal control and dynamic programming, LQR, observability, linear estimation and Kalman filter, realization theory. (Sp)  |

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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| ECE     | 5433   | Measurement and Automation                | (Slashlisted with 4433) Prerequisite: graduate standing, ENGR 3723 or Math Numerical Methods, ECE 3793 or instructor permission or systems course in another major. Fundamentals of data acquisition and control. A series of design projects in data acquisition, logging and real-time analysis. Includes machine vision and image processing as well as vibration, motion and real-time control. No student may earn credit for both 4433 and 5433. (F)  |
| ECE     | 5463   | Advanced Computer Architecture            | (Crosslisted with C S 5463) Prerequisite: graduate standing. The design of modern programmable computer systems with emphases on exploiting parallelism at all levels, designing within constraints including energy consumption, and the impact of architecture on software design. Covers state of the art computer architecture, case studies and trends. (Sp)   |
| ECE     | 5513   | Communication Theory                      | Prerequisite: 4523. Probability theory, stochastic processes, detection, extraction and predictions of signals in noise. (F)  |
| ECE     | 5523   | Random Signals                            | Prerequisite: ECE 3793, ISE 3293 or permission of instructor. Review of random variables; random vectors. Introduction to random processes; stationarity; ergodicity. Random signals into linear systems. Special processes; ARMA, Markov, Point, Gaussian. Review of parameter estimation. Estimation of random signal parameters. (F)   |
| ECE     | 5533   | Telecommunications Industry Overview      | Prerequisite: 3793. Studies the development of telecommunications technology, industry, and policy in the United States, stressing inter-relationships among industry, government bodies and policies, and users. Provides a broad view of telecommunications and of the direction of the industry. (F)   |
| ECE     | 5543   | Telecom Network Design and Management     | Prerequisite: 3793. Introduction to basic issues in the design and management of telecommunications networks; Concepts will include those pertinent to telecommunications engineering and electrical and computer engineering, such as wide area network design principles that cater to Erlangian traffic. (Sp)  |
| ECE     | 5553   | Telecommunications Technology             | Prerequisite: 3793. The ways and means by which voice, data and video traffic are moved long distances. Topics include data networks, telephone systems, video, and optical systems. (F)  |
| ECE     | 5563   | Computer and Communications Security      | (Crosslisted with TCOM 5563) Prerequisite: 3793. Introduction to security problems in computing and communications basic encryption and decryption techniques, secure encryption systems, cryptographic protocols and practices, security in networks and distributed systems, legal and ethical issues in computer security. (Sp)  |
| ECE     | 5583   | Information Theory                        | Prerequisite: 4523 or equivalent. Introductory course in information theory. Topics include: asymptotic equipartition property, entropy, Fano's inequality, Huffman coding, lossy source coding theory, and channel coding theory. (F)  |
| ECE     | 5623   | Computer Hardware Design                  | (Slashlisted with 4623) Prerequisite: 3223. Design of modern digital computing circuits, computer arithmetic, number systems, state machines, control units, data transfer, bus interfacing, VHDL language elements and usage, circuit simulation. No student may earn credit for both 4623 and 5623. (F)   |
| ECE     | 5643   | Radio Frequency and Microwave Engineering | (Slashlisted with 4643) Prerequisite: ECE 3613 and ECE 3713. Analysis of radio frequency (RF) and microwave components, circuits and systems using modern engineering tools and measurement instruments. No student may earn credit for both 4643 and 5643. (Sp)  |
| ECE     | 5653   | Digital Radar Systems                     | (Slashlisted with 4653). Prerequisite: ECE 3793. Modern and next-generation radar systems, with an emphasis on the digital receiver and post processing that follows the RF front-end. Several off-the-shelf receiver case studies will be conducted. These will focus on analog-to-digital converter (ADC) selection followed by software defined radio (SDR) concepts for field programmable gate array (FPGA) implementation. These receivers may also be used for communication systems and have other broad applications. No student may earn credit for both 4653 and 5653. (F) |

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| Subject | Number | Title                                       | Course Description   |
|---------|--------|---|--|
| ECE     | 5663   | Radar Engineering                           | (Crosslisted with METR 5663; Slashlisted with 4663) Prerequisite: Grade of C or better in 3613, or permission of instructor. Introduction to radar system designs and applications with emphasis on weather radar; radar system architecture and their functionalities and limitations of subsystems; theories of radar detection and estimation in a noisy and cluttered environment; existing technologies and advanced techniques to improve radar performance. No student may earn credit in both 4663 and 5663. (F)   |
| ECE     | 5673   | Weather Radar Theory and Practice           | (Slashlisted with 4673, Crosslisted with METR 5673) Prerequisite: graduate standing, grade of C or better in Math 3113 and Physics 2524, or permission of instructor. Introduction to electromagnetic waves and propagation through the atmosphere, radar design trade-offs, antennas, transmitters, and coherent receivers; analysis of radar signals as noise-corrupted stochastic processes, with emphasis on digital signal processing for Doppler spectrum and moment estimation; implementation of processing algorithms using actual Doppler radar data. No student may earn credit for both 4673 and 5673. (F) |
| ECE     | 5683   | Weather Radar Applications                  | (Crosslisted with METR 5683) Prerequisite: graduate standing in Meteorology or Engineering, or permission of instructor. Interpretation of meteorological structures using weather radar. Introduces scatter from hydrometeors and refractive index variations. Presentation of quantitative precipitation estimation methods based on the radar reflectivity factor, attenuation, and dual-polarization observations. Also includes the fundamental concepts of clear-air echoes and the estimation of winds under non-precipitation conditions. (Sp)   |
| ECE     | 5693   | Antennas                                    | (Slashlisted with 4693) Prerequisites: ECE 3613, ECE 4703, and permission of instructor. Introduction to antenna theory and design. Course covers design, construction, and measurement of antennas including, but not limited to the following specific types; dipoles, loops, aperture, microstrip, and broadband antennas, as well as array theory. No student may earn credit for both 4693 and 5693. (Sp)   |
| ECE     | 5703   | Electromagnetic Fields and Wave Propagation | (Slashlisted with 4703) Prerequisite: ECE 3613. Maxwell's Equations, time-harmonic fields, plane waves, reflections on interfaces, waveguides and transmission lines, radiation, and antenna basics. No student may earn credit for both 4703 and 5703. (Fa, Sp)   |
| ECE     | 5713   | Microwave Systems and Components            | Prerequisites: ECE 4643 or ECE 4693 or instructor permission. Theoretical and practical survey of modern high-frequency and microwave system engineering principles, active and passive microwave components, modern communication and radar systems. Laboratory- and project-based activities emphasize practical issues that arise in this area of engineering. (Fa)   |
| ECE     | 5723   | Radar Signal Processing                     | Prerequisite: ECE 3793 or equivalent. Radar fundamentals: radar range equation, waveforms, detection and matched filtering, ambiguity functions. Processing and Applications: Pulse-Doppler radar, synthetic aperture radar (SAR), moving target indication (MTI), space time adaptive processing (STAP). (Sp)   |
| ECE     | 5733   | RF & Microwave Filter Design                | (Slashlisted with 4733) Prerequisite: instructor permission. Introduction to advanced filter design. The use of filters is very widespread in all aspects of communication and radar systems. At the end of the semester, a student that has successfully embraced the subject will be able to design, fabricate, and test filters, using a range of different technologies and methods. No student may receive credit for both 4733 and 5733. (Sp)  |
| ECE     | 5833   | VLSI Digital System Design                  | (Slashlisted with 4833) Prerequisite: ECE 3223 and ECE 3873. An introduction to Very-Large-Scale Integrated (VLSI) systems design methods; complementary Metal-Oxide Semiconductor (CMOS) technology emphasized. VLSI Computer Aided Design (CAD) tools and CMOS layout rules and techniques. Project oriented. No student may earn credit for both 4833 and 5833. (F)   |



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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ECE     | 5843   | Medical Imaging Systems                               | Prerequisite: 3793 or Fourier transforms, or permission. Fundamental principles of medical image formation, image acquisition and image quality evaluation, Major medical imaging modalities, such as radiography, fluoroscopy, computed tomography, ultrasound, MRI, and nuclear medicine will be introduced. Clinical applications and limitations of each modality will also be analyzed. (Sp)   |
| ECE     | 5853   | Biomedical Signals and Systems                        | (Slashlisted with 4853, Crosslisted with BME 5853) Prerequisites: ECE 3723 and ECE 3793, or equivalent course in electrical circuits and signal processing, or permission of instructor. Comprehensive coverage of topics related to signals in humans. Emphasis on using engineering tools to interpret signals and underlying physiological principles. Focus on emerging engineering technologies, physiological knowledge and clinical application. No student may earn credit for both 4853 and 5853. (Sp)   |
| ECE     | 5863   | Bioinstrumentation                                    | (Slashlisted with 4863) Prerequisites: ECE 3773 or ECE 4813 or permission of instructor. A comprehensive coverage of topics related to principles, applications and design of medical instruments widely used in hospitals and clinical research. Emphasis is placed on general design concepts, discussions on a great variety of medical devices and medical device safety issues. Materials cover different levels and various aspects of human systems, such as heart, brain, circulation, respiration and so forth. The course will also provide reading projects to cover the state-of-the-art developments in advanced medical devices. No student may earn credit for both 4863 and 5863. (F, Sp) |
| ECE     | 5873   | Advanced VLSI Design and Applications                 | Prerequisite: ECE 4833 or ECE 5833. Design of sophisticated digital integrated circuits; special purpose architectures used where appropriate; silicon compiler and hardware description language used; project oriented. (Sp)  |
| ECE     | 5880   | Professional Internship                               | 1 to 3 hours. Prerequisite: graduate standing and 12 credit hours toward graduate degree. May be repeated; maximum credit six hours; grade equivalent to B or better required. Professional technical internship training in electrical and computer engineering, as part of M.S. or PhD degree requirements. A written report to be graded by a member of the graduate faculty is required. (F, Sp, Su)  |
| ECE     | 5960   | Directed Readings                                     | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| ECE     | 5970   | Special Topics/Seminar                                | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| ECE     | 5973   | Special Topics in Electrical and Computer Engineering | Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 12 hours. Selected topics of current research interest not covered by regularly scheduled coursework. (F, Sp, Su)  |
| ECE     | 5980   | Research for Master's Thesis                          | Variable enrollment, permission of instructor required, two to nine hours; credit required for degree, six hours. (F, Sp, Su)   |
| ECE     | 5990   | Special Studies                                       | 1 to 3 hours. Prerequisite: graduate standing or permission. May be repeated with change of subject matter; maximum credit nine hours. Devoted to special topics in electrical engineering not covered in the regular curriculum or to supervised individual study. (F, Sp, Su)   |
| ECE     | 5999   | Graduate Level Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| ECE     | 6213   | Optical Information Processing                        | Prerequisite: 5213 and 5353. Application of Fourier transforms, linear systems, and diffraction theory to the analysis of optical systems. Emphasis is on the use of optical systems for information processing, including image enhancement, pattern recognition, data processing, optical switching, and computing. (F)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ECE     | 6613   | Weather Radar Polarimetry                              | (Crosslisted with METR 6613) Prerequisite: graduate standing. Provides fundamentals and principles of weather radar polarimetry through understanding wave scattering and propagation in geophysical media subject to turbulent mixing and filled with hydrometers and other objects. The relations between polarimetric radar observables and physical parameters will be established. The methods and algorithms for retrieving cloud and precipitation microphysics for weather quantification and forecast will be introduced. (F) |
| ECE     | 6813   | Advanced Topics in Biomedical Engineering              | Prerequisite: 5843. May be repeated with change of content; maximum credit 12 hours. In-depth studies in biomedical engineering. Focus will be on advanced optoelectronic biomedical technologies, such as bioinstrumentation, biomedical imaging modalities. Students will learn the knowledge behind current technology and also research and development methods of applying future technology to clinical and biomedical applications. (Sp)  |
| ECE     | 6950   | Research in Electrical and Computer Engineering        | 1 to 4 hours. Prerequisite: graduate standing and permission of instructor in Electrical and Computer Engineering. May be repeated; maximum credit 24 hours. Research in electrical and computer engineering occurring prior to the General Examination. (F, Sp, Su)   |
| ECE     | 6960   | Directed Readings                                      | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| ECE     | 6970   | Special Topics/Seminar                                 | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)   |
| ECE     | 6973   | Advanced Topics in Electrical and Computer Engineering | Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 12 hours. Selected topics of current faculty research interest at the Ph.D. level not covered by regularly scheduled coursework. (Irreg.)   |
| ECE     | 6980   | Research for Doctoral Dissertation                     | Prerequisite: Graduate standing. Permission of Instructor required. Research in Electrical and Computer Engineering. (F, Sp, Su)   |
| ECE     | 6990   | Independent Study                                      | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| ECON    | 1113   | Principles of Economics-Macro                          | Prerequisite: Satisfactory score on the Math placement test, or, for incoming freshmen direct from high school, satisfactory score on the ACT/SAT. The functioning and current problems of the aggregate economy: determination and analysis of national income, employment, inflation and stabilization; money and banking, monetary and fiscal policy; and aspects of international interdependence. Laboratory (F, Sp, Su) [III-SS]   |
| ECON    | 1123   | Principles of Economics-Micro                          | Prerequisite: Satisfactory score on the Math placement test, or, for incoming freshmen direct from high school, satisfactory score on the ACT/SAT. Goals, incentives and allocation of resources resulting from economic behavior with applications and illustrations from current issues: operation of markets for goods, services and factors of production; the behavior of firms and industries in different types of competition and income distribution. Laboratory (F, Sp, Su) [III-SS]   |
| ECON    | 1999   | Lower Division Transfer Credit                         | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| ECON    | 2843   | Elements of Statistics                                 | Prerequisite: a grade of C or better in Mathematics 1503 or 1743 or 1823. Basic statistical techniques emphasizing business and economic applications. Topics covered include data summary techniques, elementary probability theory, estimation, hypothesis testing, simple regression, time-series and index numbers. Laboratory (F, Sp, Su) [I-M]   |
| ECON    | 2970   | Special Topics   | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)   |

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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| ECON    | 3113   | Intermediate Microeconomic Theory         | Prerequisite: 1113 and 1123 with a grade of C or better and Mathematics 1503 or 1643. Fundamental economic concepts and principles; value and distribution theories under conditions of competition, monopoly and monopolistic competition. Appraisal of modern problems in terms of these theories. (F, Sp, Su) [III-SS]   |
| ECON    | 3133   | Intermediate Macroeconomic Theory         | Prerequisite: a grade of C or better in 1113, 1123, and Mathematics 1503 or 1643. National income concepts; aggregate demand by household, business, government, and foreign sectors; determination of national income, interest rate, price, output, and employment levels. (F, Sp, Su)  |
| ECON    | 3213   | Environmental Economics                   | Prerequisite: a grade of C or better in ECON 1123. Economic approach to environmental protection; analysis focuses on property rights and externalities. Examines strategies for addressing externalities including command-and-control regulation, emissions taxes, and tradable discharge permits. Topics include air pollution, water pollution, waste disposal and recycling, and endangered species protection. (Irreg.)   |
| ECON    | 3233   | Information Technology and the Economy    | Prerequisite: a grade of C or better in 1123. Examines the role of information and technology in the economy. Topics will include the importance of network externalities, the growth of e-commerce, and the economic analysis of standards and protocols. (Irreg.)   |
| ECON    | 3440   | Mentored Research Experience              | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| ECON    | 3513   | Labor Problems                            | Prerequisite: a grade of C or better in 1113 and 1123. Problems of labor in an industrial society; wages, hours, working conditions, child labor. Conflicts between management and labor. (F)   |
| ECON    | 3523   | Health Economics                          | Prerequisite: ECON 1113 and ECON 1123 with a grade of C or higher. Overall view of health economics. Covers health insurance markets, externalities in health and medical care, health and labor markets, government intervention in health care provision, current health programs in the United States and models of health production. (Irreg.)  |
| ECON    | 3613   | International Trade Theory and Problems   | Prerequisite: a grade of C or better in 1113 and 1123. Benefits of trade, determination of the direction and level of trade, commercial policy and trade barriers, international trade problems and issues. (F, Sp)   |
| ECON    | 3633   | International Finance Theory and Problems | Prerequisite: a grade of C or better in 1113 and 1123. Effects of international trade on employment, inflation, the exchange rate, effects of devaluation, types of international monetary arrangements, effects of foreign transfers, open economy macroeconomic policy. (F, Sp)   |
| ECON    | 3713   | Governmental Relations to Business        | Prerequisite: a grade of C or better in ECON 1113 and ECON 1123. Analysis of economic aspects of government regulation and direction of business enterprise; controls affecting managerial discretion in the determination of prices and other basic business policies. (F, Sp, Su) [III-SS]  |
| ECON    | 3880   | Directed Readings                         | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated; maximum credit six hours. Readings will consist of topics designated by the instructor in keeping with student's specialization within major program. Topics will cover materials not usually presented in regular courses. (F, Sp, Su)  |
| ECON    | 3960   | Honors Reading                            | 1 to 3 hours. Prerequisite: admission to the Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| ECON    | 3980   | Honors Research                           | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| ECON    | 3990   | Independent Study                          | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| ECON    | 3999   | Upper Division Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| ECON    | 4223   | Econometric Analysis                       | Prerequisite: a grade of C or better in 1113, 1123, and 2843. Classical statistical inference; means, proportions, variances, analysis of variance and covariance; regression and correlation analysis; normal, binomial, chi-square, t, F, Poisson, exponential distributions. (F, Sp) [I-M]   |
| ECON    | 4233   | Introduction to Applied Econometrics       | Prerequisite: a grade of C or better in 1113, 1123, and 2843. Introduces students to the use of modern econometric techniques in economics. Topics include time series and dynamic emulation models, panel data, two stages least squares, simultaneous equation models, limited dependent variable models (logit, probit), and sample selection corrections. The course will have a strong orientation toward empirical applications. (Sp) |
| ECON    | 4313   | Industrial Organization                    | Prerequisite: ECON 1113 and ECON 1123 with a grade of C or better. Industrial organization studies the way firms interact and compete with each other. Covers pricing strategies (price discrimination, bundling and tie-in sales); product strategies (product variety, quality, advertising); and mergers and acquisitions. Can be taken for graduate credit. (Irreg.)  |
| ECON    | 4323   | Public Finance: Expenditures               | Prerequisite: A grade of C or better in ECON 1123. Topics covered include: tools of positive and normative analysis market failures, public goods, externalities, cost-benefit analysis and income redistribution. Focus on expenditures and public programs, such as education, health care and social security. (Irreg.)  |
| ECON    | 4353   | Public Finance: Issues and Taxation        | Prerequisite: a grade of C or better in 1113 and 1123. Public expenditures, their nature, cause of the increase, and classification; sources of public revenue; methods of distributing the tax burdens; public debts and debt management; introduction to fiscal theory and policy. (F, Sp)  |
| ECON    | 4413   | International Trade, Laws and Institutions | Prerequisite: a grade of C or better in ECON 3613. Explores the interface of the economics and legal professions' analysis of international trade. The class will explore some of the issues and topics of common interest from the perspective of each profession. (F)   |
| ECON    | 4453   | Urban Economics                            | Prerequisite: ECON 3113 with a grade of C or better. Study of economic models of urban location, including firm location and residential location models. Public policy topics of urban taxation, residential housing discrimination, urban renewal, etc., will also be discussed from an economic perspective. Can be taken for graduate credit. (Irreg.)  |
| ECON    | 4513   | The Economics of Discrimination            | Prerequisite: a grade of C or better in 1113 and 1123. This course will focus on discrimination in the labor market. Topics to be covered include wage discrimination, employment discrimination, and occupational segregation. Examples will be drawn frequently from current events and public policies. (F, Sp)  |
| ECON    | 4673   | Economics-Money & Banking                  | Prerequisite: ECON 3133 with a grade of C or better. Introduces the role of money, banks and financial institutions in the economy. Topics include banking and financial intermediation, financial market regulation, monetary economics and economic fluctuations, and monetary policy. Can be taken for graduate credit. (F)  |
| ECON    | 4713   | Latin American Economic Development        | Prerequisite: a grade of C or better in 1113 and 1123. Examine the major characteristics of Latin American economic development, from the evolution of economic policy in the region since independence, to the recent problems with industrialization policy, debt, inflation and stabilization, and economic reform. (F)  |
| ECON    | 4733   | Economic Development in the Middle East    | Prerequisites: ECON 1113 and ECON 1123 with a grade of C or higher; ECON 3133 and/or ECON 3633 recommended. An introduction to the existing debates on comparative economic development in the Middle East and North Africa region during the post-independence period. (Irreg.)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ECON    | 4753   | Analysis of Contemporary Economic Issues     | Prerequisite: a grade of C or better in 1113 and 1123. May be repeated with change of topic; maximum credit nine hours. An application of economic analysis to contemporary problems. Specific topics to be announced each time offered. (F, Sp)   |
| ECON    | 4773   | Economic Game Theory                         | Prerequisite: ECON 3113 with a grade of C or better, and Mathematics 2123 or Mathematics 2423. Develops the fundamental concept of the Nash equilibrium, advancing to refinements such as subgame perfection and Bayesian perfection. Applications include oligopoly, adverse selection in insurance markets, and moral hazard in agency. May be taken for graduate credit (Sp)  |
| ECON    | 4783   | Behavioral and Experimental Economics        | Prerequisite: ECON 1113, ECON 1123 and ECON 2843 with a grade of C or better. Analysis of behavioral economics models and factors using experimental approaches; investigation of where human behavior does not always fit standard economic models; experiments and theory covering game theory, market equilibrium, public choices, auctions, and bargaining. Can be taken for graduate credit. (Irreg.)                                     |
| ECON    | 4823   | Introduction to Comparative Economic Systems | Prerequisites: a grade of C or better in ECON 3113 and ECON 3133, or permission of instructor. Concerned principally with a comparative economic and institutional analysis of past and present systems. (Sp)  |
| ECON    | 4853   | World Economic Development                   | (Slashlisted with 5853) Prerequisite: a grade of C or better in 1113 and 1123. The economics of the developing nations; a review and analysis of common problems and issues. (Irreg.)  |
| ECON    | 4960   | Directed Readings                            | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| ECON    | 4970   | Special Topics/Seminar                       | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ECON    | 4983   | Economics as Social Science                  | Prerequisite: a grade of C or better in 2843, 3113 and 3133, or permission of instructor. Examination of selected topics in various subdisciplines within economics e.g., international trade and finance, econometrics, energy economics, public finance, labor economics, economic history and development, etc. [V]   |
| ECON    | 4990   | Independent Study                            | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| ECON    | 5023   | Statistics for Decision Making               | Prerequisite: admission to Master of Business Administration program or permission of instructor. Covers basic probability density functions, the parametric estimating techniques of linear multivariate regression analysis and the elements of statistical decision making under uncertainty. (F, Sp, Su)   |
| ECON    | 5033   | Managerial Economics I                       | Prerequisite: graduate standing. Practical applications of economic theory and techniques to business problems. Topics include: demand theory and estimation; production and cost theory; empirical cost analysis; pricing practices, market structure and antitrust policy; corporate strategies for dealing with risk; long-term investment decisions with emphasis on plant size, technological change and investment requirements. (F, Sp) |
| ECON    | 5043   | Managerial Economics II                      | Prerequisite: 5033, 5073. Emphasizes current topics in several areas including: regulation, business and government, antitrust economics, the economics of intellectual capital markets, and the economics of technological change. Strategies for management will also be discussed. (Irreg.)   |
| ECON    | 5073   | Contemporary Economic Methods and Analysis   | A review of contemporary economic methodology and theory and their application to the analysis of macroeconomic questions and problems in the American economy. Techniques of economic forecasting will also be covered. (F, Sp, Su)   |

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| Subject | Number | Title                                    | Course Description   |
|---------|--------|--|--|
| ECON    | 5123   | Advanced Price and Welfare Theory        | Prerequisite: 3113 or equivalent, senior standing or permission. An intensive study of the static and dynamic welfare and efficiency properties of the price and market system method of social organization. Topics include: theory of markets, game theory, capital theory and intertemporal equilibrium, general equilibrium and employment, welfare theory. (Sp)   |
| ECON    | 5153   | Mathematical Economics I                 | Prerequisite: 2843, 3113, 3133. Investigation of several important models of economic activity. Emphasis on methods of analysis and interpretation involving construction of mathematical models reflecting the economic substance of these models. Implications for economic policy considered.   |
| ECON    | 5163   | Advanced Macroeconomic and Growth Theory | Prerequisite: 3113, 3133. Comparison of static macroeconomic systems; introduction to dynamic macroeconomic systems; post-Keynesian and modern theories of economic growth. (F)  |
| ECON    | 5173   | Urban and Regional Analysis              | (Crosslisted with RCPL 5173) Prerequisite: Regional and City Planning 5113 or equivalent. A lecture-seminar-problems-oriented course designed to acquaint the student with the scientific techniques used to analyze urban and regional social, economic, political and environmental problems. Oriented to reflect requirements for studies leading to the preparation of goals, policies, and plans for urban and regional scale development. (Sp) |
| ECON    | 5213   | Advanced Econometrics                    | Prerequisite: graduate standing. Measurement of micro- and macro-economic relations, both static and dynamic. Comparative statics and dynamics; practical use of inference from non-experimental data. Identification and estimation problems. (Irreg.)  |
| ECON    | 5243   | Econometrics II                          | Prerequisite: 5213. Examines topics and techniques in applied econometric analysis. Course topics include limited dependent variables, sample selection bias, systems of equations and the use of econometric software. (Sp)   |
| ECON    | 5273   | Survey of International Economics        | Prerequisite: graduate standing. Examines topics in international trade and finance including and evaluation of economic policies and international institutions. Public policy topics such as the impact of tariffs, quotas and exchange rates will be discussed. (Irreg.)  |
| ECON    | 5313   | Advanced Industrial Organization         | Prerequisite: graduate standing. Examines the market structure, conduct and performance of various industries. Topics include: theory and empirical results regarding structure, conduct and performance; the structure of U.S. industry versus other countries; recent developments; and antitrust policy. (Irreg.)   |
| ECON    | 5353   | Public Finance II                        | Prerequisite: 4353 or permission of instructor. Teach advanced principles of public finance. The chief topics are market failure and public goods, public choice and principles of expenditure analysis.   |
| ECON    | 5453   | Advanced Urban Economics                 | Prerequisite: graduate standing. Study of economic models of urban location, including firm location and residential location models. Public policy topics of urban taxation, residential housing discrimination, urban renewal, etc. will also be discussed from an economic perspective. (Irreg.)  |
| ECON    | 5613   | International Economics-Trade            | Prerequisite: 3613 and Mathematics 1743 or permission of instructor. Causes and effects of international trade; gain from trade; theory of tariff and effective protection; economic growth and trade; intermediate products; optimal trade policies; factor market imperfections; theory of integration. (Sp)   |
| ECON    | 5633   | International Economics--Finance         | Prerequisite: 3613 and Mathematics 1743 or permission of instructor. Foreign exchange rates; balance of payments; alternative international monetary systems; international reserves. (F)  |
| ECON    | 5853   | World Economic Development               | (Slashlisted with 4853; Crosslisted with RCPL 5853) Prerequisite: graduate standing. The economics of the developing nations; a review and analysis of common problems and issues. (Irreg.)  |
| ECON    | 5940   | Research in Economic Problems            | 1 to 3 hours. May be repeated; maximum credit six hours. (F, Sp, Su)   |
| ECON    | 5960   | Readings in Selected Fields of Economics | 1 to 4 hours. May be repeated; maximum graduate credit eight hours. The only passing grade given in this course is the neutral grade of S. Directed readings under staff supervision for advanced students. A comprehensive report or examination is required. (F, Sp, Su)   |

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| Subject | Number | Title                               | Course Description  |
|---------|--------|-------------------------------------|---|
| ECON    | 5970   | Special Topics/Seminar              | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| ECON    | 5980   | Research for Master's Thesis        | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| ECON    | 5990   | Special Studies                     | 1 to 3 hours. May be repeated with change of topic; maximum credit twelve hours. Advanced studies in various areas of economics. Given under stated titles determined each semester by the instructor involved. (F, Sp)   |
| ECON    | 5999   | Graduate Level Transfer Credit      | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| ECON    | 6213   | Seminar in Price and Welfare Theory | Prerequisite: 5123 or equivalent, graduate standing. Current theoretical issues and research developments are explored. Attention is given to externalities, social welfare functions, market and nonmarket choice mechanisms, capital theory and analysis of intertemporal adjustments, general equilibrium under dynamic growth conditions. (F) |
| ECON    | 6313   | Seminar in Macro and Growth Theory  | Prerequisite: 5163. Detailed analysis of static and dynamic macroeconomic systems; macrostatic and macrodynamic policy issue. (Irreg.)  |
| ECON    | 6333   | Seminar in Industrial Organization  | Prerequisite: graduate standing or permission of instructor. Survey of recent industrial organization, public utility and regulation literature.  |
| ECON    | 6343   | Econometrics III                    | Prerequisite: 5243. Topics and techniques in advanced econometric methods including time-series analysis and/or panel data analysis. May include applications in time-series econometrics such as ARMA models and VAR techniques; and applications in panel data econometrics including fixed effects, random effects and dynamic models. (F)     |
| ECON    | 6373   | Econometrics IV                     | Prerequisite: 6343. Examines advanced topics in theoretical and applied econometrics. The course covers recent innovations in econometric techniques including general method of moments estimators, panel cointegration techniques, and other advanced topics. (Sp)  |
| ECON    | 6653   | Seminar in Growth                   | Prerequisite: graduate standing and permission of instructor. Endogenous growth theory, recent work on growth success and failures, regime switching models of growth, the effects of crises on long run performance, and the role of the IMF and World bank in development. Other topics may include financial crises, corruption, etc. (Irreg.) |
| ECON    | 6693   | Seminar in Economic Development     | Problems of economic development with special emphasis on the developing nations. Theoretical as well as policy issues concerning the process of economic development are examined. (Irreg.)  |
| ECON    | 6773   | Seminar in Public Economics         | Prerequisite: 5313 or permission of instructor. Survey of recent literature in the economics of public finance. Recent theoretical and empirical research will be examined. (Irreg.)  |
| ECON    | 6960   | Directed Readings                   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| ECON    | 6970   | Special Topics/Seminar              | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| ECON    | 6980   | Research for Doctoral Dissertation  | (F, Sp, Su)   |
| ECON    | 6990   | Independent Study                   | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)                              |
| EDAH    | 1999   | Lower Division Transfer Credit      | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| EDAH    | 2960   | Individual Study               | 1 to 4 hours. Prerequisite: good standing in University; fewer than 62 total hours; approval of instructor and dean. May be repeated; maximum credit four hours. Designed to provide an introduction to the study of education through a rigorous program of readings under the direction of a member of the faculty. (Irreg.)  |
| EDAH    | 2963   | R.A. Training                  | Introduces various theories and skills that aid the student in the performance of the duties of a resident advisor. Areas of study include student development theory, community development, programming, peer counseling, and policy enforcement. The class will review current issues confronting college students. (F, Sp)  |
| EDAH    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| EDAH    | 3960   | Honors Reading                 | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| EDAH    | 3970   | Honors Seminar                 | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| EDAH    | 3980   | Honors Research                | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| EDAH    | 3990   | Independent Study              | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| EDAH    | 3999   | Upper Division Transfer Credit | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| EDAH    | 4960   | Directed Readings in Education | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| EDAH    | 4970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDAH    | 4980   | Practicum in Education         | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)  |
| EDAH    | 4990   | Special Problems in Education  | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of title and subject. Variable as to subject and credit for areas of specialty and/or interest not otherwise provided in the standard offering of courses. (Irreg.)   |



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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| EDAH    | 4993   | R.A. Training Special Problems in Education                                   | Prerequisite: junior standing. Introduces various theories and skills that aid the student in the performance of the duties of a resident advisor. Areas of study include student development theory, community development, programming, peer counseling, and policy enforcement. The class will review current issues confronting college students. Students will also be involved in University community-building programs and special events which relate to the roll of resident advisor. (F, Sp) |
| EDAH    | 5013   | The Adult Learner   | Prerequisite: graduate standing. Course content includes: (a) recent history; (b) social, technological and economic factors associated with changes in educational philosophy with consequences for lifelong learning; (c) trend data on adult enrollments by socio-economic, racial, ethnic and other factors; (d) major providers; (e) research and issues concerning adult learning ability, adult development, stresses upon the adult learner, teaching adults, etc. (F)                          |
| EDAH    | 5023   | Administration of Adult and Higher Education                                  | Prerequisite: graduate standing. Organization and administration of adult and higher education from legislative, legal, structural-functional, power, political, bureaucratic and social perspectives. Topics considered include: governance, central office organization, administrative position analysis, faculty organization, faculty participation in policy formation and decision making, academic freedom, goals analysis, budgetary policies and methods, and decision strategies. (F)        |
| EDAH    | 5033   | Critical Literature in Adult and Higher Education (Crosslisted with EDS 5033) | (Crosslisted with EDS 5033) Prerequisite: graduate standing. Explores twentieth-century ideas and issues in adult and higher education. The majority of the literature and discussion concern the university. (F)   |
| EDAH    | 5043   | Introduction to Research in Adult and Higher Education                        | Prerequisite: graduate standing. Recommend specific prior enrollment -- see adviser. An introduction to data collection and analysis, research methods (experimental, quasi-experimental, qualitative), and statistics used in adult and higher education. (F, Sp, Su)  |
| EDAH    | 5103   | Instructional Strategies in Adult and Higher Education                        | Prerequisite: graduate standing. Encourages a rational consideration of the problems of college teaching. A problems-based course, requiring that each student be involved in an actual college teaching experience while taking it. Topics to be considered include: learning potentials of young adults; preparation of instructional objectives; evaluation of instruction; instructional techniques. (Su)   |
| EDAH    | 5123   | Decision-Making in Adult and Higher Education                                 | (Crosslisted with H R 5123) Prerequisite: graduate standing. Provide students with an understanding of various forces which influence the process of decision-making in adult and higher education, as well as provide an opportunity to examine how such decisions can be reached and implemented. The student will examine realistic examples of decision-making in such areas as budgeting, trustee relations, tenure decisions, faculty development, curriculum, etc. (F, Sp)                       |
| EDAH    | 5133   | American Community/Junior College   | A study of its purposes, functions, curriculum, organization and administration; exploring this uniquely American institution as an emerging factor and significant element in the structure of higher education in America today. (Sp)   |
| EDAH    | 5143   | Leadership Development in Adult and Higher Education                          | Prerequisite: graduate standing. Apply concepts from the behavioral and social sciences to the development of techniques and strategies specific to leadership development in adult and higher education. (Sp)  |
| EDAH    | 5153   | Legal Aspects Of Higher Education   | Prerequisite: graduate standing. Survey of principles, legislation, and court rulings in such areas as employment, affirmative action, dismissal, contracts, tenure, civil rights, due process, student rights, and other issues of concern to higher education administrators. (F)   |
| EDAH    | 5163   | Diversity Issues in Higher Education  | Prerequisite: graduate standing. Explores the educational participation of diverse groups in higher education. The student will gain a further understanding of issues of race, ethnicity, gender, and physical disability and their influence on colleges and universities. (F, Sp)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDAH    | 5173   | Leadership and Administration in Student Affairs   | Prerequisite: graduate standing. Designed to provide student foundational knowledge on topics related to leadership and administration of student affairs in collegiate settings. The course additionally exposes students to traditional and alternative leadership and administrative philosophies in college student affairs. Critical examination of how student affairs functions in the broader organizational structure and develop higher-ordered understanding of how institutional cultures (and a professional's role within those cultures) facilitate college student affairs administration. (F, Sp, Su) |
| EDAH    | 5213   | History of American Higher Education               | Prerequisite: graduate standing or permission of instructor. The history of American higher education during the twentieth century, with an examination of the major issues which have shaped, and are shaping, the development of American colleges and universities. (Sp)  |
| EDAH    | 5223   | Foundations of Student Affairs in Higher Education | Prerequisite: graduate standing. A comprehensive introduction to the field of student affairs and its role within the context of American higher education. Specifically, provides an introduction to the origin, history, philosophy, and current practices of the college student affairs profession. A related goal is the development of a broad foundation of knowledge to which subsequent study, practitioner skills, and research strategies may be added. (F)   |
| EDAH    | 5243   | Financial Management In Higher Education           | Financial Management In Higher Education. Prerequisite: Graduate Standing. Students Will Be Introduced To The Following Topics: Administrative Organization Function And Structure; Financial Management Of Sponsored Programs (Grants And Contracts); Fund Accounting And Basic Financial Statements; State Coordination Policies And Procedures; Basic Budgeting Concepts And Techniques; Cost Analysis And Comparisons. (Sp)  |
| EDAH    | 5253   | Institutional Research In Higher Education         | Institutional Research In Higher Education. Prerequisite: Graduate Standing. Recommend Specific Prior Enrollment--See Advisor. Covers The Roles And Functions Of Institutional Research, Student Information Systems, Faculty And Staff Analysis, Facilities Analysis, Capital And Financial Analysis, Environmental Scanning, Assessment Studies, Program Review, Student Outcomes Studies, And Quality Assessment. (F)   |
| EDAH    | 5263   | Planning In Higher Education                       | Planning In Higher Education. Prerequisite: Graduate Standing. Recommend Specific Prior Enrollment--See Advisor. Covers Concepts, Practices, Issues And Problems Related To Planning In Higher Education. (F)  |
| EDAH    | 5273   | Athletics In Higher Education                      | (Crosslisted With H R 5273) Prerequisite: Graduate Standing. Provide Students With An Understanding Of The History, Structure And Administration Of Intercollegiate Athletics, As Well As An Opportunity To Discuss A Wide Variety Of Related Contemporary Issues. (Irreg.)  |
| EDAH    | 5313   | Adult Learning Models                              | Prerequisite: Graduate Standing. Focuses Upon The Current Research Into The Practice Of Adult Education With Particular Attention To The Developing Models Of Learning. It Utilizes The Work Of Lindeman, Horton, Houle, Knox, Knowles, Freire And Brookfield. (Sp)  |
| EDAH    | 5333   | Program Planning For The Adult Learner             | Program Planning For The Adult Learner. Prerequisite: Graduate Standing. Recommend Specific Prior Enrollment--See Advisor. Designed To Develop An Understanding Of Institutional Roles And Institutional Differences; A Knowledge Of The Principles Of Program Planning In Relation To The Delivery Of Adult Education. Reviews The Elements Of Program Planning To Include Needs Assessment, Program Design And Delivery, And Evaluation. (F)   |
| EDAH    | 5353   | Adult Learning And Development                     | Adult Learning And Development. Prerequisite: Graduate Standing. Students Will Engage In Inquiry Into The Adult Development Process And Its Relationship To Learning And Change. Students Will Become Acquainted With A Wide Range Of Orientations To And Theories Of Adult Development. The Focus Will Be More Closely On Development That Takes An "Inside" View Of The Learner, And Correspondingly Participants Will Be Encouraged To Explore Their Own Development (As Learners) As An Instance Of Growth, Learning, And Change. (F, Sp)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| EDAH    | 5383   | Contemporary Issues In Student Personnel                               | Contemporary Issues In Student Personnel. Prerequisite: Graduate Standing. Designed To Provide Students An Opportunity To Synthesize Ideas From Previous Coursework And Practical Experiences In Student Affairs. An Integration Of Student Development Theories, Current Issues In The Field, And Analysis Of Case Studies Will Be The Focus Of The Course. (F, Sp)  |
| EDAH    | 5413   | Design And Delivery Of Distance Education Programs                     | Design And Delivery Of Distance Education Programs. Prerequisite: Graduate Standing. Designed To Prepare Student To Design Instruction For Distance Learning Systems. Topics Include The Distance Learner, Facilitating Learning At A Distance, Instructional Design For Distance Learning Systems, And Assessment Of Learning At A Distance. (Sp)  |
| EDAH    | 5433   | Organizational Design and Management of First Year Experience Programs | Prerequisite: graduate standing. Focuses on the first-year experience through exploring existing research and practice in organizational design and management. Based on readings, research, national guidelines, course discussion, and personal/professional experience, graduate students will design their own first-year experience program for un-traditional students within an institution of their choice. (F, Sp)   |
| EDAH    | 5443   | Organization Development and Change                                    | Prerequisite: graduate standing. Designed to provide an overview of the practical skill sets required to plan, develop, and conduct organizational development activities within public as well as private sector organizations. Topics will include concepts of OD models and theories, organizational assessment procedures, various OD interventions methods, and technological tools for effect OD. Trends and contemporary solutions for organizational development will be introduced through webinars and demonstrations. (F, Sp, Su)  |
| EDAH    | 5453   | Autobiography and Lifewriting in Adult Education                       | Prerequisite: graduate standing. Explores autobiography and other forms of life writing as an instructional method and research tool within the broader field of the study and education of adults. Reviews the historical and contemporary uses of autobiography, its related concepts and theories and major authors who have contributed to the field. These are explored in light of educational principles and how autobiography can lead to understanding of self and others. (F, Sp, Su)   |
| EDAH    | 5463   | Transformative Learning in Adult and Higher Education                  | Prerequisite: graduate standing. Study of the phenomenon of transformative learning as it applies to adults and relates to the process of human growth and development. It draws on the relationship between change, learning, and development, and examines contemporary theories, major contributing authors, and current issues related to the concept. Also, consideration of the personal, social, and global significance of transformative learning and its implications for educational practice with a learning public. (F, Sp, Su)  |
| EDAH    | 5473   | Race, Class, and Gender in Education                                   | Prerequisite: graduate standing. This course attempts to achieve congruence between common and differing oppressions, challenges, and successes according to race, class, and gender. The topics are restricted to maximize integration with studies in the various educational specialties. Analysis of the work of educational institutions in light of the relationships of these institutions to the broader society in which they are situated. Particular attention is paid to the complexities of identity and multiculturalism across educational institutions and in the educational pipeline. (F, Sp, Su) |
| EDAH    | 5483   | College Student Development  | Prerequisite: graduate standing. Designed to expose students to a variety of college student development theories as well as research that describes typical patterns of student growth and development during the college years. In addition, a primary objective of this course is to discuss how student affairs professionals, higher education administrators, and faculty may utilize student development theory to design programs, develop services, and create learning environments that support the academic and social development of students attending postsecondary institutions. (F, Sp, Su)        |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDAH    | 5493   | Innovation in Student Affairs  | Prerequisite: graduate standing. Designed to push students' thinking about student affairs work in college and university settings through innovative, contemporary solutions to ongoing problems, issues and trends concerning college students. Topics include but are not limited to: collaboration among student affairs and academic affairs in solving problems; the skills and theoretical perspectives undergirding change in student affairs; the evolving roles of student affairs professionals; creating inclusive educational communities; innovatively supporting institutional missions toward curricular and co-curricular development and student outcomes; and engaging students in active learning. (F, Sp, Su)   |
| EDAH    | 5503   | Introduction to Developing and Training Human Resources in Organizations | Prerequisite: graduate standing. An overview of the human resource development functions in business, industry, government and voluntary organizations. It is designed for those who are expected to be responsible for some aspect of training and development and for those interested in learning more about these functions. Introduces the competencies required to succeed as a training and development professional as identified in ASTD's Competency Model. Topics include strategic training, learning theories and program design, assessing training needs, transfer and evaluation of training, traditional and technological training methods, and employee, management, and career development. (F, Sp)  |
| EDAH    | 5513   | Management & Admin Of The Training Function                              | Prerequisite: Graduate Standing This Course Is Designed For Those Preparing For Or Having Oversight Responsibilities In The Training And Development Function. Topics Will Include The Management Function, Staffing, Ensuring The Quality Of Training, Legal Issues, Marketing And Financial Management.  |
| EDAH    | 5523   | Skills and Strategies in Designing, Developing, and Delivering Training  | Prerequisite: graduate standing. Addresses the core aspects of Instructional Systems Design (ISD) as applied to workforce learning, and performance. Learn and apply key principles involved in assessing, designing, developing, implementing, and evaluating face to face (traditional) training programs. Students select training topics identified as critical to success in the training and development field, and engage the ISD process in creating active training programs. (F, Sp)   |
| EDAH    | 5543   | Gender, Society, and Higher Education                                    | Prerequisite: graduate standing. Addresses issues of gender as set within the historical, economic and socio-political context of American higher and post-secondary higher education. Multiple feminist perspectives are explored including, but not limited to, liberal feminism, radical feminism, Black feminism, womanism, Chicana feminism, Native American feminism, Arab American feminism, multicultural feminism, eco- and global feminism. The connections between theory, practice, and reflection are emphasized. Social justice and ally development are strong components of this course. (F, Sp)   |
| EDAH    | 5553   | Evaluation Strategies for Learning and Performance                       | Prerequisite: graduate standing. Provides instruction and practices in evaluation strategies to improve learning and performance outcomes in educational and workplace settings. Major foci of the course will be on comparing various approaches of evaluation, planning and designing program evaluation, and managing evaluation project. Students will have opportunities to analyze evaluation data and develop evaluation report for instructional and organizational decision making. (F, Sp)   |
| EDAH    | 5613   | Ethical Decision Making in Intercollegiate Athletics Administration      | Prerequisite: graduate standing. Explores ethical decision-making and conduct in the contemporary 21st century intercollegiate athletics department. Specific issues related to the commercialization of college athletics that will be covered include: academic reform, diversity within intercollegiate athletics, pay-for-play, gender equity, fiscal management, compensation for student-athletes, and the recruiting process. Students will analyze current research and theoretical frameworks centering on ethical decision making, as well as utilize a theory to practice case-study pedagogical approach in order to evaluate their personal morals, values, and principles as they pertain to ethics in college sports to enhance future decision-making.(Sp) |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDAH    | 5623   | Marketing & Development in Intercollegiate Athletics Administration  | Prerequisite: graduate standing. The theoretical and practical foundations of sport marketing and fan development in 21st century intercollegiate athletics settings. Fundamental concepts that will be covered include: revenue generation, licensing, ticket sales, consumer marketing, and marketing matrix frameworks. Students will create an individual marketing proposal to develop an enhanced understanding of techniques and strategies used to successfully market large scale athletic events and enhance the consumer experience. (Sp)   |
| EDAH    | 5633   | Gender Issues in Intercollegiate Athletics                           | Prerequisite: graduate standing. A review of the historical role of women in intercollegiate athletics, the creation and implementation of Title IX, and the challenges institutions of higher education face with respect to Title IX compliance. Based in feminist and organizational behavior theory, this course critically examines the gender bias associated with intercollegiate athletics including a thorough analysis of case study examples. Topics for weekly discussion include: coaching disparities, equal pay, social equity, prior case law and NCAA legislature on gender issues, as well as the female student-athlete experience. (F)   |
| EDAH    | 5643   | Career Development in Intercollegiate Athletics and Higher Education | Prerequisite: graduate standing. This course is designed to provide students with a foundational understanding of various theories of career development, common methods of career development assessment, and an enhanced understanding of the process required to seek and obtain employment in the 21st century job market. As career development continues through various phases and in different forms into the latter stages of life, this course will utilize a lifespan perspective from birth to higher education. Students will be expected to examine and appreciate the role that environment and one's cultural contexts has in shaping the process of career development and impacting career trajectories. Class time will be devoted to lectures, demonstrations, discussion of the readings, small group activities, presentations, and workshop time to develop a personal career trajectory plan. (Sp) |
| EDAH    | 5653   | Academic Reform and Athletic Academic Advising                       | Prerequisite: graduate standing. Explores and provides an understanding of the National Collegiate Athletics Association's academic reform movement in the 21st century and the subsequent effects on student-athletes in higher education. The course focuses in-depth on methods currently utilized in academic advisement of the student-athlete higher education population subset. In addition, focuses on the changes made to the current NCAA governing rules as they apply to academic support and advisement of student-athletes. Students will learn to critically analyze current academic reform measures taken by the NCAA and wrestle with present day challenges faced by athletics advisers in practitioner settings. The course will utilize case studies to frame critical inquiry and discussion to prepare future higher education leaders who work with this special population of students. (Sp)     |
| EDAH    | 5663   | Governance of Intercollegiate Athletics                              | Prerequisite: graduate standing. Examines the governance systems of contemporary intercollegiate athletics departments nested within institutions higher education. This course focuses on the specific bylaws colleges and universities must abide by to ensure reporting structures internal to athletics and external to the greater campus environment are compliant with current national standards. Students will analyze the current governance structures of athletic departments situated with institutions of higher education at multiple levels (i.e. NCAA Division I, II and III) to understand the differences in governance models, hone critical thinking skills, and develop policy enforcement action plans.(Sp)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| EDAH    | 5673   | Organization & Administration of Intercollegiate Athletics Administration      | Prerequisite: graduate standing. Examines the organizational structure of intercollegiate athletics departments nested within NCAA Division I, II, and III institutions of higher education. Students will develop an understanding of the organizational structures of each administrative unit internal to a 21st century intercollegiate athletics departments. Students will enhance personal leadership, communication and academic writing skills through multiple reflective exercises and case studies. Culminates with the development of a formal literature review and presentation.(F)  |
| EDAH    | 5683   | Diversity in Sports  | Prerequisite: graduate standing. A critical critique of the diversity in sports, specifically in the collegiate environment. Addresses the many issues of diversity in the sports arena and the institutional systemic challenges and barriers that impact a diverse population of individuals in higher education. Intended to give students the ability to think beyond the typical student-athlete profile and seek to provide opportunities for others, reach out and recruit from other areas, and set up a program that fits their needs and allows them to succeed in sports and academics while attending the university. (Sp)  |
| EDAH    | 5693   | Professional Development in Intercollegiate Athletics                          | Prerequisite: graduate standing. Prepares students for impending job searches in a competitive 21st century sport industry. Students complete career and professional development activities in addition to a personalized service-learning experience in intercollegiate athletics practitioner settings. Class time centers on: reflection of individual service-learning experiences, leadership growth and development, and workshop time to develop professional development portfolio. Students develop a professional portfolio over the course of the semester to include a current resume, cover letter, personal leadership philosophy, and site supervisor service-learning evaluations. This class is intended for students who have little to no previous experience in intercollegiate athletics. (F, Sp) |
| EDAH    | 5713   | Leadership Issues in Athletic Administration                                   | Prerequisite: graduate standing. Explores and provides an understanding of the many of the crucial issues central to the leadership development of future higher education leaders focused in the niche area of intercollegiate athletics. Specific emphasis is placed on the mission and culture of intercollegiate athletics departments and the subsequent role of the organizational leader within each unique institution. Students will explore characteristics of successful leaders in such settings to define personal leadership style and philosophy. (Sp)   |
| EDAH    | 5743   | E-Learning and Blended Learning Approaches for Workforce Development           | Prerequisite: graduate standing. Provides students with an overview of instructional theories and principles for the design and delivery of e-learning and blended learning. Students learn how to incorporate learning theories and sound instructional design principles to design effective blended learning, how to use various instructional strategies, and how to utilize software tools to develop and deliver e-learning and blended learning. (Irreg.)  |
| EDAH    | 5753   | Technologies, Innovation, & Performance Systems for Human Resource Development | Prerequisite: graduate standing. Provides instruction and practices in evaluation strategies to improve learning and performance outcomes within workplace settings. Major foci of the course will be on comparing various approaches of evaluation, analyzing workplace issues hindering learning and performance transfer, and managing evaluation project. Students will have opportunities to plan an evaluation, analyze evaluation data, and report evaluation results for performance improvement and organizational decision making. (F, Sp, Su)  |
| EDAH    | 5813   | NCAA Compliance I  | Prerequisites: graduate standing. Examination of the structure of the National Collegiate Athletics Association ("NCAA") from a legal framework. Drawing on legal and organizational theory, this course will present an overview of NCAA regulations, research of NCAA interpretations, waivers and secondary violations. Students will examine specific cases to analyze NCAA, conference, institutional regulations and policies. Students will develop an enhanced understanding of NCAA compliance standards in college sport, a foundational skillset for aspiring athletics administrators and specifically those who wish to work in a compliance office at an NCAA institution. (F)  |

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|---------|--------|---|---|
| EDAH    | 5823   | NCAA Compliance II  | Prerequisite: EDAH 5813 and graduate standing. Examines the structure of the National Collegiate Athletics Association ("NCAA") from a legal framework. Provides aspiring athletics administrators with foundational knowledge on the NCAA Enforcement procedures, the new Enforcement Model and internal compliance investigation standards paramount to successfully operating the daily activities of an intercollegiate compliance office. Students will develop an enhanced understanding of NCAA compliance standards, NCAA regulations, NCAA enforcement procedures of institutional investigation to rules violations, reporting of violations and major infraction cases in college sport. (F) |
| EDAH    | 5833   | Evidence-Based Practices and Research Development in Intercollegiate Athletics    | Prerequisite: graduate standing. Fuses scholarship and practice, as it is designed to teach students various research approaches and have students practically apply those approaches to intercollegiate athletics administration-related issues. Students will engage in evidence-based examinations of contemporary topics in intercollegiate athletics. Students complete solution-driven assignments that are both rooted in research and applicable to the daily challenges of intercollegiate athletics administrators. The major assignment for this course will be a literature review that students can present at a national conference. (F)  |
| EDAH    | 5843   | Event and Facility Management in Intercollegiate Athletics Administration         | Prerequisite: graduate standing. Provides students with an enhanced understanding of the logistical and operations management skillsets that are imperative for contemporary intercollegiate athletics administrators to possess. Drawing on consumer motivation and marketing theories, students will participate in the planning and development of a specific intercollegiate athletics event. By pairing theoretical discussion and practical application, students will learn how to safely and efficiently plan large-scale intercollegiate athletics events. (F)   |
| EDAH    | 5853   | Best Practices in Contemporary Intercollegiate Athletics Student Support Services | Prerequisite: graduate standing. Designed to discuss different aspects of support services for student-athletes. Centers on developing an understanding of the role of student services units within intercollegiate athletics including athletic training, academics, nutrition, strength and condition, psychological support. Particular emphasis is placed on how these services interact with each other. Current research and perspectives from the field will be presented. Students will be expected to complete personal reflection exercises, case studies, and a culminating group project. (Sp)   |
| EDAH    | 5863   | Licensing, Trademark Law and Fundraising in IAA                                   | Prerequisite: graduate standing. Provide students with an introduction to the legal aspects of collegiate licensing and fundraising. Student will develop an enhanced understanding of the principles of intellectual property, trademark law and licensing. Explores the history and role that licensing plays in intercollegiate athletics. Culminates with the development of an athletic fundraising campaign group project. (Sp)   |
| EDAH    | 5910   | Practicum in Education--Master's  | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included.  |
| EDAH    | 5920   | Internship in Education--Master's   | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty.  |
| EDAH    | 5940   | Field Studies in Education  | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure.   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDAH    | 5960   | Directed Readings  | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours.  |
| EDAH    | 5970   | Special Topics/Seminar   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDAH    | 5972   | Pre-Master's Seminar   | Prerequisite: 12 hours of education, graduate standing, permission of instructor. May be repeated; maximum credit four hours. Enrollment limited to students who are in early post-baccalaureate curricula. (Irreg.)   |
| EDAH    | 5980   | Research for Master's Thesis                                   | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| EDAH    | 5990   | Independent Study  | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| EDAH    | 5999   | Graduate Level Transfer Credit                                 | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| EDAH    | 6193   | Foundations of Qualitative Inquiry in Adult & Higher Education | Prerequisite: graduate standing. An introduction to qualitative inquiry specific to the field of adult and higher education. The first half of the class will focus on learning about various qualitative approaches and the differences between philosophical paradigms, theoretical frameworks, methodology, and methods in adult and higher education. In order to provide needed context, this section includes information about the specific history of qualitative research outside of and within adult and higher education. Further, it consists of reading assignments, lectures, and in-class exercises that uncover the nuances of various approaches to qualitative research. At this point, each student will have a deep understanding of their own epistemological approach to research. An emphasis will be placed on research congruence and researcher positionality as students conceptualize their own research project. The second half of class will focus on the student's individual research project as s/he works within communities of practice -- a theoretical learning mode important to adult and higher education. Students should be prepared each class period to discuss reading assignments and the status of their individual research projects. This half of class will be heavy on research projects and discussion. (F, Sp) |
| EDAH    | 6213   | Theory And Practice Of Continuing Higher Education             | Theory And Practice Of Continuing Higher Education. Prerequisite: Graduate Standing. Defines Continuing Higher Education And Traces Its Development In The United States From The 18th Century. Examines The Range Of Institutions, Kinds Of Programs, Emerging Issues, Organizational Structure, Budgeting, Administration And Relationship To The Larger Institution In Which Continuing Higher Education Operates.  |
| EDAH    | 6713   | Pro Seminar  | (Crosslisted with EACS 6713 and EDS 6713) Prerequisite: graduate standing. The purpose of the Pro Seminar is to introduce beginning doctoral students to the concept and process of research. Included are issues related to the role of philosophical frameworks, theory, research conceptualization, scholarly writing, and rudimentary research methods. (F, Sp, Su)  |
| EDAH    | 6813   | Prospectus   | Prerequisites: Departmental permission; graduate standing. This Prospectus Development Seminar is designed for advanced doctoral students/candidates and is a formal venue for developing a sample dissertation prospectus as a starting point to work from and further develop with your dissertation chair and committee. (Sp)   |
| EDAH    | 6902   | Pre-Doctoral Seminar   | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)   |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| EDAH    | 6910   | Practicum in Education--Doctoral                                   | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)  |
| EDAH    | 6920   | Internship in Education--Doctoral                                  | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EDAH    | 6930   | Intensive Studies in Education                                     | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)   |
| EDAH    | 6943   | In-Depth Approaches to Qualitative Inquiry in Educational Research | Prerequisite: graduate standing. Graduate students should produce a presentable conference paper and/or publishable article. Explores the various assumptions that are found across the array of epistemological and paradigmatic approaches to educational research. Students will become familiar with terminology, methodology, methods, tools for analysis (or lack-thereof) across such approaches. The initial research or inquiry paper will most likely need more related theory, description of methodology, and substantially enhanced data collection and analysis. Students must identify a potential journal outlet, a sample article, and critique the sample article to inform their own research processes. In addition, students will teach their selected methodology while applying this methodology to their own study. (F, Sp) |
| EDAH    | 6960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| EDAH    | 6970   | Post-Master's Seminar  | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)  |
| EDAH    | 6980   | Research for Doctoral Dissertation                                 | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)   |
| EDAH    | 6990   | Individual Study in Education                                      | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)   |
| EDEC    | 1999   | Lower Division Transfer Credit                                     | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| EDEC    | 2203   | Creative Expression in Early Childhood                             | Characteristics and processes of creativity as expressed by children from age two to eight are reviewed. Planning and production of materials that enhance creativity in self-expressive thought and play are emphasized. (Sp)  |
| EDEC    | 2960   | Individual Study   | 1 to 4 hours. Prerequisite: good standing in University; fewer than 62 total hours; approval of instructor and dean. May be repeated; maximum credit four hours. Designed to provide an introduction to the study of education through a rigorous program of readings under the direction of a member of the faculty. (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EDEC    | 3001   | Mentoring I   | Prerequisite: EDEC 2203 and admission to Teacher Education program. Corequisite: EDEC 3213, EDEC 3211, and EDLT 3183. Fosters professional development of early childhood education students and facilitates their successful participation in the Teacher Education program. Professional opportunities in the field and professional organizations will be identified. Students will continue development of their portfolio documenting their development in the Teacher Education program. (F) |
| EDEC    | 3211   | Laboratory Placement I  | Prerequisite: admission to Teacher Education program; Corequisite: EDEC 3333. Designed to provide students with the opportunity to implement what they are learning in other courses as they interact with children in a classroom setting. Students will carry out assignments during this lab that have been assigned in EDEC 3333 as well as other specialization classes. (F)  |
| EDEC    | 3213   | Fundamentals of Instruction of the Preschool Child I: Social/Emotional Skills           | Prerequisite: EDEC 2203 and admission to Teacher Education program; corequisite: EDEC 3001, EDEC 3211 and EDLT 3183. Links theory and research to preschool teaching. Includes materials on ways to foster social and emotional well-being and enhance creativity in children. Effective methods of discipline and a multiethnic approach to curriculum are emphasized. Includes weekly participation in an approved preschool program. (F)  |
| EDEC    | 3221   | Laboratory Placement II   | Prerequisite: admission to Teacher Education program; Corequisite: EDEC 3513 and EDEC 3233. Designed to provide students with the opportunity to implement what they are learning in other courses as they interact with children in a classroom setting. Students will carry out assignments during this lab that have been assigned in EDEC 3513 as well as other specialization classes. (Sp)   |
| EDEC    | 3223   | Fundamentals of Instruction of the Preschool Child II: Language and Cognitive Processes | Prerequisite: EDEC 3213 and admission to Teacher Education program; corequisite: EDEC 3221 and EDLT 4303. Links theory and research to practical preschool teaching. The development of mental ability and reasoning skills is stressed as are effective strategies for encouraging language development and prereading skills. Special attention is given to the needs of children from low income families. Weekly participation in an approved preschool program is required. (Sp)              |
| EDEC    | 3233   | Family Engagement in Early Childhood Education  | Prerequisite: Admission into the ECE Norman/Tulsa Program; Junior Standing; EDEC 3333; corequisite: EDEC 3221, EDEC 3513, and EDLT 4303. Includes techniques for parent conferencing and referrals, planning and presenting effective parent education meetings, parent involvement in the classroom and experience in making home visits. Focuses on family needs when children are aged two to eight. (Sp)   |
| EDEC    | 3333   | Social Emotional Learning and Child Guidance  | Prerequisites: EDEC 3413; EDEC 2203; EDEC 3543. Teaching strategies to promote prosocial skills in young children. Principles and practices of positive child guidance and facilitating an effective classroom community. How to enhance children's social and emotional learning. (F)   |
| EDEC    | 3413   | Early Childhood Development   | Social, physical and cognitive influences on behavior during the preschool years are described and explained. The developmental implications of changing from caregiver to peer relationships are examined. (Sp)   |
| EDEC    | 3440   | Mentored Research Experience  | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)                      |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDEC    | 3513   | Integrated Curriculum (Birth-5)                    | Prerequisite: junior standing and admission to OU Norman/Tulsa early childhood education program. Explores early childhood development domains (social, emotional, cognitive, language, fine motor, large motor, and creative development) and concepts associated with the subject areas of math, science, social studies, language, arts, music, and physical education. The course will focus on integrating the curriculum through teaching strategies, methods, and concepts that are appropriate learning experiences for young children, emphasizing ages birth through five years of age. (F Tulsa; Sp Norman)   |
| EDEC    | 3523   | Field Experience with Seminar                      | Prerequisite: junior standing and admission to OU-Tulsa early childhood education program. This course will focus on connections between developmental theory and practice. Emphasis will be placed on planning developmentally appropriate environments for infant-toddler growth and learning. This course includes 45 hours of field experience and a seminar that meets 90 minutes each week. (Sp)   |
| EDEC    | 3533   | Infant-Toddler Development and Care                | Prerequisite: junior standing and admission to OU-Tulsa early childhood education program. Designed to provide the student with knowledge and understanding of the importance of the developmental processes that occur in infants from conception to their third birthday. Environmental influences on each of the important stages of development (prenatal, neonatal, young, mobile and older infancy) will be explored. Theories of development, philosophies of care, and techniques for the promotion of optimal physical, motor, cognitive and social-emotional development will be shared. Cultural difference in caregiving strategies will be examined as well as the importance of a mutual supportive partnership between parents and substitute caregivers in caring for children with and without special needs. (F) |
| EDEC    | 3541   | Field Placement I                                  | Prerequisite: admission to teacher preparation program. Co-requisite: EDEC 3543. Birth - three field placement where students will observe and interact with children. (F)   |
| EDEC    | 3543   | Teaching and Learning in Early Childhood Education | Prerequisite: admission to OU Norman/Tulsa early childhood education program. Includes theoretical and practical aspects of the four domains of development for children ages birth to age eight. A major focus will be on the theoretical dispositions of Piaget and Vygotsky and major topics of study will include: autonomy, play, children's thinking, peer interactions, and child guidance. (Sp)  |
| EDEC    | 3553   | Field Experience with Seminar                      | Prerequisite: admission to OU Norman/Tulsa early childhood education program. Focuses on implementing the theoretical aspects of the development of the whole child focusing primarily on ages 3-5. Emphasis will be placed on planning developmentally appropriate teaching and learning. (F Norman, Sp Tulsa)  |
| EDEC    | 3563   | Family and Community Connections                   | Prerequisite: junior standing and admission to OU-Tulsa early childhood education program. Focuses on the importance of family and community connections in the education and development of young children (0-8 years). Strategies for strengthening family and community connections in early childhood classrooms will be discussed including techniques for communicating effectively with families, promoting parent involvement, engaging community agencies and members, and making home visits. (Sp)   |
| EDEC    | 3573   | Diverse Learners                                   | Prerequisite: junior standing and admission to OU Norman/Tulsa early childhood education program. Focuses on strategies for providing individualized, inclusive, and developmentally appropriate instruction for children 0-8. Topics addressed include cultural diversity, teaching in contexts of poverty, individualizing instruction according to learning styles, supporting dual language learners, and modifying/adapting instruction and environments for children with special needs. (F Norman, Su Tulsa)  |
| EDEC    | 3960   | Honors Reading                                     | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EDEC    | 3970   | Honors Seminar  | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)   |
| EDEC    | 3980   | Honors Research   | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)  |
| EDEC    | 3990   | Independent Study   | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)   |
| EDEC    | 3999   | Upper Division Transfer Credit                              | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| EDEC    | 4001   | Mentoring II  | Prerequisite: EDEC 3001 and admission to Teacher Education program. Fosters continued professional development of early childhood education majors and facilitates their successful participation in the Teacher Education program. Professional development opportunities outside the classroom are discussed. Students continue work on a portfolio showing their continued development as future teachers. (F)  |
| EDEC    | 4121   | Curriculum Laboratory                                       | Prerequisite: admission to Teacher Education program; Corequisite: EDEC 4123. Designed to provide students with the opportunity to implement what they are learning in other courses as they interact with children in a classroom setting. Students will carry out assignments during this lab that have been assigned in EDEC 4123 as well as other specialization classes. (F)  |
| EDEC    | 4123   | Curriculum of Early Childhood Education                     | Prerequisite: EDEC 4513; Admission to the ECE Norman program and senior standing. Co-requisite: EDUC 4050. A comprehensive study of the scope of early childhood education with specific concern for curriculum foundation and organization. (Sp) [V]  |
| EDEC    | 4203   | Program Planning and Leadership in Early Childhood Programs | Prerequisite: EDEC 3223; corequisite: EDEC 4001, EDEC 4121, and EDEC 4123. Focuses on administrative aspects of early childhood programs outside the realm of the elementary school. Leadership and professional development issues are examined. Staff supervision, financial management, program policies, health and safety, and the physical environment are addressed. Unique initiatives and features of the early childhood profession are explored. (F)  |
| EDEC    | 4513   | Integrated Curriculum (K-3)                                 | Prerequisite: Admission to the OU Norman/Tulsa early childhood education program; EDEC 3513; senior standing. Explores concepts associated with the major subject areas of math, science, social studies, language arts, music, and physical education. Focus is placed on integrating the curriculum through teaching strategies, methods, and concepts that are appropriate learning experiences for young children, emphasizing grades K-3. (F)   |
| EDEC    | 4523   | Field Experience with Seminar                               | Prerequisite: senior standing and admission to OU-Norman/Tulsa early childhood education program. Focuses on implementing the theoretical aspects of the development of the whole child focusing primarily on grades K-3. Emphasis will be placed on planning developmentally appropriate teaching and learning. (F)   |
| EDEC    | 4533   | Assessment in Early Childhood Education                     | Prerequisite: Senior Standing and admission to the OU Norman/Tulsa early childhood education program. A survey of the multiple purposes and types of assessment in early childhood including classroom assessment, standardized child assessment, and program evaluation. Addresses consideration of the various forms of assessment, evaluation of assessment techniques, and examination of current trends and practices. An overview of common assessment tools and techniques used with young children birth through age 8 will be included. (F) |
| EDEC    | 4543   | Senior Seminar in Early Childhood Education (Capstone)      | Prerequisite: Senior standing and admission to OU-Tulsa early childhood education program. Focuses on being a professional in the field of early childhood education. This includes dissecting what it means to be a leader, advocate, collaborator, researcher, mentor, and a life-long learner. (Sp)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDEC    | 4960   | Directed Readings in Education                 | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| EDEC    | 4970   | Special Topics/Seminar                         | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EDEC    | 4980   | Practicum in Early Childhood Education         | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)   |
| EDEC    | 4990   | Special Problems in Education                  | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of title and subject. Variable as to subject and credit for areas of specialty and/or interest not otherwise provided in the standard offering of courses. (Irreg.)  |
| EDEC    | 5203   | Creative Curriculum in Education               | Prerequisite: graduate standing. Characteristics and processes of creativity as expressed by children from age two to eight are reviewed. Planning and production of materials that enhance creativity in self-expressive thought and play are emphasized. (Irreg)   |
| EDEC    | 5233   | Family Engagement in Education                 | Prerequisite: graduate standing. This course includes techniques of parent conferences and referrals, planning and presenting effective parent meetings, fostering parent involvement in the classroom, and experience in making home visits. The focus is on family needs of children aged two to eight years. (Irreg)  |
| EDEC    | 5333   | Social and Emotional Learning                  | Prerequisite: graduate standing. This course is designed to address the social and emotional development of young children and how development influences learning. This course links theory and research to the preschool early learning environment. It includes materials on ways to foster social and emotional well-being and enhance creativity in children. Effective methods of discipline and a multiethnic approach to curriculum are emphasized. (Irreg)  |
| EDEC    | 5413   | Early Childhood Development                    | Prerequisite: graduate standing. Social, emotional, physical and cognitive influences on development from prebirth to age eight are identified. Issues associated with child development are discussed. The role of the early childhood professional is defined and examined. (Irreg)  |
| EDEC    | 5533   | Advanced Studies in Infant-Toddler Development | Prerequisite: graduate standing or permission of instructor. This course will be an in-depth exploration of issues related to infant-toddler development and learning, especially as it relates to the care of infants and toddlers in non-parental care settings such as childcare centers and family childcare homes. Topics include an exploration of the multiple contexts in which infants and toddlers develop, and the influences of the caregiving environment on the children's physical, emotional, and cognitive development, with a special focus on attachment and on brain development. (Irreg.) |
| EDEC    | 5910   | Practicum in Education--Master's               | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)  |
| EDEC    | 5920   | Internship in Education--Master's              | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDEC    | 5930   | Early Childhood Instructional Coaching               | 1 to 2 hours. Prerequisite: graduate standing and member of the EC coaching cohort. May be repeated; maximum credit three hours. Develops skills and knowledge for effective and appropriate early childhood leadership. This course concentrates on strategies for transformational coaching or mentoring other teaching professionals; designing coaching/mentoring programs based on specific curriculum models or approaches; and examining personal mindsets in order to create positive coaching/mentoring relationships. (Su) |
| EDEC    | 5940   | Field Studies in Education                           | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.)                     |
| EDEC    | 5960   | Directed Readings                                    | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)   |
| EDEC    | 5970   | Special Topics/Seminar                               | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDEC    | 5972   | Pre-Master's Seminar                                 | Prerequisite: 12 hours of education, graduate standing, permission of instructor. May be repeated; maximum credit four hours. Enrollment limited to students who are in early post-baccalaureate curricula. (Irreg.)   |
| EDEC    | 5980   | Research for Master's Thesis                         | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| EDEC    | 5990   | Independent Study                                    | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| EDEC    | 5999   | Graduate Level Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| EDEC    | 6033   | Theory and Research in Early Childhood Education     | Prerequisite: graduate standing or permission of instructor. Designed to facilitate student's understanding of various theories relevant to early childhood education. In-depth analysis of various theories will be accompanied by examination of research guided by these theoretical perspectives. Discussion will include how these theoretical views and the research associated with them influences the field. (Irreg.)   |
| EDEC    | 6303   | Parent Involvement and Parent Education              | Prerequisite: graduate standing. This seminar explores current developments in parent involvement and parent education. Research on parent education programs and parent involvement will be discussed as well as the effects of each on children and families. Interventions designed for various populations of children and families are examined. (Irreg.)   |
| EDEC    | 6403   | Advocacy and Leadership in Early Childhood Education | Prerequisite: graduate standing. Focuses on developing the skills and knowledge necessary to help individuals build coalitions and design effective public policy/advocacy initiatives. (Sp)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDEC    | 6433   | Methods in Qualitative Research with Young Children                              | Prerequisite: graduate standing. The purpose of this course is to expand student's knowledge of qualitative methods in educational research, more specifically addressing the unique methods required when children are involved in the research process. The course has both a theoretical and applied focus. First, we examine how qualitative research is used in educational research. We will discuss qualitative methods as an interpretive inquiry focusing on topics such as the development and use of theory, kinds and interpretation of data, and issues of reliability. We will compare the different methods and methodologies used by researchers. Students will analyze and critique research articles using ideas and concepts discussed in the required texts and in class. Second, students will engage in a pilot study of their own in which they apply and experience qualitative research for themselves. Here students will develop a question, examine their own theoretical position, conduct a review of the literature, collect data, and produce a research paper. Together, these two approaches will introduce students to the main questions, concerns and goals of qualitative research. (Irreg.) |
| EDEC    | 6533   | Assessment and Program Evaluation in Early Childhood Education: Advanced Seminar | Prerequisites: graduate standing or permission of instructor. An in-depth exploration of the multiple purposes and types of assessment in early childhood education including classroom assessment, standardized child assessment, program evaluation, and accountability assessment. Also focuses on the various forms of assessment, evaluation of assessment techniques and practices, and examination of current trends and practices. A special focus will be placed on program evaluation and accountability assessments and approaches. (F)   |
| EDEC    | 6833   | Advanced Qualitative Analysis  | Prerequisite: graduate standing. This course is designed to provide doctoral students with an in-depth understanding of the variety of ways to theory build, analyze & interpret qualitative research, write up findings, and synthesize information for interpretation. It is assumed that students enrolling in this class have already completed an introductory qualitative research methods course. (Irreg.)  |
| EDEC    | 6902   | Pre-Doctoral Seminar   | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)   |
| EDEC    | 6910   | Practicum in Educ--Doctoral  | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)   |
| EDEC    | 6920   | Internship in Education--Doctoral  | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)   |
| EDEC    | 6930   | Intensive Studies in Education   | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)  |
| EDEC    | 6960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| EDEC    | 6970   | Post-Master's Seminar  | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)   |
| EDEC    | 6980   | Research for Doctoral Dissertation   | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDEC    | 6990   | Individual Study in Education                        | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)  |
| EDEL    | 1999   | Lower Division Transfer Credit                       | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| EDEL    | 3002   | Promoting Healthy Lifestyles for Elementary Students | Prerequisite: admission to the teacher education program. Students explore models for teaching that transform research on human movement, physical activity and health education into effective classroom teaching practice. Students gain understanding of teaching strategies that foster active, healthy lifestyles, the practice of skills for good health and enhanced quality of life for elementary students. (F, Sp)   |
| EDEL    | 3243   | Integrated Arts Education                            | Prerequisite: admission to the teacher education program. Promotes literacy and skills involving art principles and processes in education and life. Explores arts integration across the curriculum as a means of expressing beauty/aesthetics, self-identification, social criticism, and critical reflection. (F, Sp, Su)   |
| EDEL    | 3440   | Mentored Research Experience                         | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| EDEL    | 3960   | Honors Reading                                       | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.)  |
| EDEL    | 3970   | Honors Seminar                                       | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)   |
| EDEL    | 3980   | Honors Research                                      | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)  |
| EDEL    | 3990   | Independent Study                                    | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)   |
| EDEL    | 3999   | Upper Division Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| EDEL    | 4063   | Critical Inquiry and Integrated Instruction          | Prerequisite: EDMA 4353, EDLT 4813, EDSC 4193, EDSS 4323, EDEL 4980; corequisite: EDUC 4050. Course for teacher candidates to understand how to support critical inquiry across the disciplines. Teacher candidates will also understand how to integrate and apply what they have learned throughout their coursework to organize a classroom to create a community of learners. (F, Sp) [V]  |
| EDEL    | 4101   | Mentoring  | Prerequisite: admission to Teacher Education program and permission of adviser. This course should be taken in the semester which precedes enrollment in EDLT 4813, EDMA 4353, EDSC 4193, EDSS 4323, EDEL 4980. Students will study and analyze current education practices existing in today's elementary classrooms. Selected readings, significant discussion, hands-on activities and practical experiences will enable students to think critically about the challenges and rewards of becoming an elementary educator. The course also guides students in preparing program portfolios. (F, Sp) |



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| Subject | Number | Title                                    | Course Description   |
|---------|--------|--|--|
| EDEL    | 4960   | Directed Readings in Education           | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| EDEL    | 4970   | Special Topics/Seminar                   | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EDEL    | 4980   | Practicum in Elementary Education        | Prerequisite: EDEL 4101; corequisite: EDMA 4353, EDLT 4813, EDSC 4193, EDSS 4323. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (F, Sp)   |
| EDEL    | 5593   | Issues in Teaching in Elementary Schools | Prerequisite: graduate standing. Interdisciplinary seminar focusing on critical analysis of issues related to teaching and learning in elementary schools. (Irreg.)  |
| EDEL    | 5910   | Practicum in Education--Master's         | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)  |
| EDEL    | 5920   | Internship in Education--Master's        | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EDEL    | 5940   | Field Studies in Education               | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.) |
| EDEL    | 5960   | Directed Readings                        | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)   |
| EDEL    | 5970   | Special Topics/Seminar                   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDEL    | 5980   | Research for Master's Thesis             | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| EDEL    | 5990   | Independent Study                        | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| EDEL    | 5999   | Graduate Level Transfer Credit           | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| EDEL    | 6902   | Pre-Doctoral Seminar                     | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| EDEL    | 6910   | Practicum in Education--Doctoral                            | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)  |
| EDEL    | 6920   | Internship in Education--Doctoral                           | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EDEL    | 6930   | Intensive Studies in Education                              | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)   |
| EDEL    | 6960   | Directed Readings   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| EDEL    | 6980   | Research for Doctoral Dissertation                          | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)   |
| EDEL    | 6990   | Individual Study in Education                               | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)   |
| EDEN    | 1999   | Lower Division Transfer Credit                              | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| EDEN    | 2960   | Individual Study  | 1 to 4 hours. Prerequisite: good standing in University; fewer than 62 total hours; approval of instructor and dean. May be repeated; maximum credit four hours. Designed to provide an introduction to the study of education through a rigorous program of readings under the direction of a member of the faculty. (Irreg.)  |
| EDEN    | 3223   | Teaching Grammar and Composition in Middle/Secondary School | Prerequisite: admission to teacher preparation program. Emphasizes the centrality of writing in the language arts, the teaching of grammar, and socio-cultural influences on learning. (F)  |
| EDEN    | 3440   | Mentored Research Experience                                | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| EDEN    | 3960   | Honors Reading  | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| EDEN    | 3970   | Honors Seminar  | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDEN    | 3980   | Honors Research                                  | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)  |
| EDEN    | 3990   | Independent Study                                | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)   |
| EDEN    | 3999   | Upper Division Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| EDEN    | 4273   | Creativity in Teaching Composition               | (Slashlisted with 5273) Prerequisite: junior standing or permission of instructor. Features visual-verbal arts integration and teaching composition at primarily middle and secondary school levels. Students will paint, write, and otherwise practice the arts as well as consider current teaching implications. No student may earn credit for both 4273 and 5273 (Su) |
| EDEN    | 4283   | Mediacy and the Pop Culture                      | Prerequisite: admission to the Teacher Education program. Examines the significance of youth media cultures as they intersect with literacy and learning in school settings. (Sp)  |
| EDEN    | 4914   | The Teaching of English                          | Prerequisite: EDEN 3223, senior standing. Development of expertise in teaching the language arts at the secondary level, including classroom management, planning, data-based decision-making, and delivery of great lessons. 35 hours of field work in local schools. Written reports. (Sp) [V]   |
| EDEN    | 4923   | Literature for Adolescents and Young Adults      | Prerequisite: EDEN 3223. A survey of literature written for adolescents and young adults and affiliated, contemporary pedagogies. (F)  |
| EDEN    | 4960   | Directed Readings in Education                   | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| EDEN    | 4970   | Special Topics/Seminar                           | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EDEN    | 4980   | Practicum in Education                           | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)   |
| EDEN    | 4990   | Special Problems in Education                    | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of title and subject. Variable as to subject and credit for areas of specialty and/or interest not otherwise provided in the standard offering of courses. (Irreg.)  |
| EDEN    | 5203   | Action Research in English Education             | Prerequisite: graduate standing; co-requisite: 5920 (Internship). Nature and methodology of teacher research. Students will conduct a field research project with EDUC 5920, Internship in Education, to demonstrate understanding of fundamental field research design and practice, including writing the teacher research report. (F, Sp)                               |
| EDEN    | 5213   | Secondary English Curriculum                     | Prerequisite: graduate standing. General principles of curriculum development and particular problems with planning literature curricula. Evaluation and revision of school curricula based on theories of curriculum planning.  |
| EDEN    | 5223   | The Teaching of Composition: Theory and Practice | Prerequisite: graduate standing. Analysis of competing theories of composition instruction. Study of issues related to planning writing activities, and consider problems related to writing about literature, informal writing, writing apprehension, teaching basic writers, and teaching syntax.  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EDEN    | 5233   | The Teaching of Literature: Theory and Practice | Prerequisite: graduate standing. Research and methodology important to teaching literature to young people and adults with particular focus on developing reading and responding abilities to poetry and fiction. Other emphases include reading-writing interactions, creative approaches to teaching traditional literature, uses of young adult literature, and developing middle/secondary literature curricula. (Sp)  |
| EDEN    | 5243   | The Teaching of Language: Theory and Practice   | Prerequisite: graduate standing. Research and teaching methodology important to providing language instruction for young people with particular focus on oral and written language development in a culturally diverse society. Topics include grammar, usage, dialect, semantics, vocabulary instruction and curriculum design. (F)   |
| EDEN    | 5253   | Research in English Education                   | Prerequisite: graduate standing. Study of issues and methods involved with research in English education. May include experience in the collection and analysis of data. (Irreg.)  |
| EDEN    | 5263   | Special Topics in Literacy I                    | Special Topics In Literacy I. Prerequisite: Permission Of Department. Possible Topics Include Students In And Out Of School, Culture And Literacy, Socio-Historical Perspectives On Learning, And Other Analysis Of Literate Activity. (F)   |
| EDEN    | 5273   | Creativity in Teaching Composition              | (Slashlisted with 4273) Prerequisite: graduate standing or permission of instructor. This course features visual-verbal arts integration and teaching composition at primarily middle and secondary school levels. Students will paint, write, and otherwise practice the arts as well as consider current teaching implications. No student may earn credit for both 4273 and 5273 (Su)   |
| EDEN    | 5283   | Mediacy and the Pop Culture                     | Prerequisite: graduate standing. Admission to the Teacher Education program. Examines the significance of youth media cultures as they intersect with literacy and learning in school settings. (Sp)   |
| EDEN    | 5303   | Oklahoma Writing Project                        | Prerequisite: graduate standing and permission of instructor. Course is offered at summer institute. Focus is on improvement of personal writing and classroom writing instruction. Participants completing course become teacher consultants with Oklahoma Writing Project. (Su)  |
| EDEN    | 5910   | Practicum in Education--Master's                | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)  |
| EDEN    | 5920   | Internship in Education--Master's               | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EDEN    | 5940   | Field Studies in Education                      | 1 to 4 hours. Prerequisite: twelve hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.) |
| EDEN    | 5960   | Directed Readings                               | 1 to 4 hours. Prerequisite: twelve hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)   |
| EDEN    | 5970   | Special Topics/Seminar                          | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |

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| Subject | Number | Title                              | Course Description   |
|---------|--------|------------------------------------|--|
| EDEN    | 5972   | Pre-Master's Seminar               | Prerequisite: twelve hours of education, graduate standing, permission of instructor. May be repeated; maximum credit four hours. Enrollment limited to students who are in early post-baccalaureate curricula. (Irreg.)   |
| EDEN    | 5980   | Research for Master's Thesis       | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| EDEN    | 5990   | Independent Study                  | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| EDEN    | 5999   | Graduate Level Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| EDEN    | 6263   | Special Topics in Literacy II      | Prerequisite: enrollment in doctoral program. Topics explore the definition and practice of literacy, with a focus on their applicability to doctoral research. The analysis of the topics will include a stress on the relationship between research problems and research methodology. (F)   |
| EDEN    | 6902   | Pre-Doctoral Seminar               | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)   |
| EDEN    | 6910   | Practicum in Education--Doctoral   | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)   |
| EDEN    | 6920   | Internship in Education--Doctoral  | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit twelve hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.) |
| EDEN    | 6930   | Intensive Studies in Education     | 1 to 6 hours. Prerequisite: twelve hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)                      |
| EDEN    | 6960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| EDEN    | 6970   | Post-Master's Seminar              | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)   |
| EDEN    | 6980   | Research for Doctoral Dissertation | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)  |
| EDEN    | 6990   | Individual Study in Education      | 1 to 4 hours. Prerequisite: twelve hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)  |
| EDFN    | 1999   | Lower Division Transfer Credit     | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EDFN    | 3003   | Schools In American Cultures                        | Schools In American Cultures. Prerequisite: Admission To Teacher Education. An Overview Of Education As A Profession Based Upon Historical And Philosophical Principles Including A Treatment Of Current Problems And Affairs With Specific Attention Given To Multi-Cultural Phenomena. (F, Sp, Su)   |
| EDFN    | 3999   | Upper Division Transfer Credit                      | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| EDFN    | 5513   | Comparative Education                               | Comparative Education. Prerequisite: Graduate Standing. Introduction To The Field Of Comparative Education. Primary Objective Is To Develop An Understanding Of The Field Of Comparative, International And Development Education, Its Primary Focus And Assumptions, And The Intellectual Frameworks. Theories And Paradigms It Draws Upon In Inquiry. (F)  |
| EDFN    | 5523   | Education And Poverty                               | Education And Poverty. Prerequisite: Graduate Standing. Examination Of Issues At The Intersection Of Education And Poverty Including Theories, Principles, Beliefs And Values Underlying The Existence And Analysis Of Poverty. Procedural And Policy Alternatives Which May Tend To Ameliorate The Educational Consequences Of Poverty Will Be Analyzed. (Sp)   |
| EDFN    | 5533   | Comparative Educational Policy                      | Comparative Educational Policy. Prerequisite: Graduate Standing. Overview Of Issues In Comparative Policy Study Within Education, Including Various Basic Understandings Regarding The Nature Of Policy And The Manners In Which Beliefs And Values Are Institutionally Or Organizationally Codified. The Student Will Explore A Selected Topic By Contrasting Similarities And Differences As They Exist Across Varying Sociopolitical/Cultural Contexts. (F)   |
| EDFN    | 5543   | Education And National Development                  | Education And National Development. Prerequisite: Graduate Standing. Through Interdisciplinary Readings Students Will Develop An Understanding Of The Possibilities And Limits Of Education As An Instrument Of Social Change Within Varying National Contexts. Also Addresses Challenges Surrounding Issues Of Gender, Class, Culture, Race, Language, Ethnicity, And Religion And How They Are Impacted By The Provision, Form And Content Of Education. (Sp)  |
| EDFN    | 5753   | The Educational Philosophy Of John Dewey            | The Educational Philosophy Of John Dewey. Prerequisite: Graduate Standing. Close Critical Study Of Educational Thought By John Dewey, His Recent Critics, His Contemporaries, And Others Who Influenced Or Were Influenced By Him In A Multicultural, Gendered, And Techno- Logically Developing Context. Intensive Oral And Written Work Will Aim At Developing Continuity Between Theory And Practice In Various Formal And Informal Educational Settings. (Sp)  |
| EDFN    | 5783   | Classics In Educational Thought                     | Classics In Educational Thought. Prerequisite: Graduate Standing Or Permission Of Instructor. Close Critical Study Of Selected "Classics" In Educational Thought By Plato, Rousseau, Du Bois, Dewey, Woolf, Or Others Of Comparable Historical Significance For Multicultural Coeducation Throughout The Human Life-Span, In A Context Of Social Inequalities. Intensive Written And Oral Practice In Basic Conceptual Skills And Informal Logic Will Require Independent Inquiries On Topics Of Special Interest To Students. (F)                                 |
| EDFN    | 5823   | Contemporary Critical Thought And Education Studies | Contemporary Critical Thought And Educational Studies. Prerequisite: Graduate Standing Or Permission Of Instructor. Close Study Of Contemporary Critical Thought That Has Profoundly Transformed Recent Theorizing About Education And Its Various Social, Cultural, And Economic Contexts. Major Texts Selected From Philosophical Movements Such As Analysis, Existentialism, Marxism, Feminism, Post-Structuralism, Neo-Pragmatism. Intensive Oral And Written Practice In Educational Criticism And Theory, Developing Case Studies From Primary Sources. (Sp) |
| EDFN    | 5913   | Cultural Pluralism And Education                    | Cultural Pluralism And Education. Prerequisite: Graduate Standing Or Permission Of Instructor. Investigates The Role Of The Schools From An Interdisciplinary Perspective Using The Philosophy, History, Anthropology, And Sociology Of Education, And Cross-Cultural Analysis, In Fostering A Climate Of Ethnic, Racial, And Gender Inclusiveness.  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDFN    | 5933   | Girls, Women, And Educational Studies                        | Girls, Women And Educational Studies. Prerequisite: Graduate Standing Or Permission Of Instructor. History, Sociology, And/Or Philosophy Of Girls' And Women's Education In A Multicultural Context That Includes Family, Work, And Community Life As Well As Coeducational Public Schooling And Higher Education In The U.S. Oral And Written Critical Inquiry Concerning Selected Primary Sources Will Introduce Students To The Activity Of Interdisciplinary Theorizing About Gender And Sexuality In Education. (F)   |
| EDFN    | 5940   | Field Studies in Education                                   | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.)   |
| EDFN    | 5943   | American Social & Education Issues In Historical Perspective | American Social And Education Issues In Historical Perspective. Prerequisite: Graduate Standing. May Be Repeated; Maximum Credit Six Hours. Acquaints Students With Several Diverse Culture Groups Which Constitute Society In The United States And Their Placement Within The Historical Context Of American Education. Educational Experience Of These Groups Will Be Discussed. Class Members Will Integrate Their Personal Narratives Into An Understanding Of Education In American Culture. (F)   |
| EDFN    | 5980   | Research for Master's Thesis                                 | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| EDFN    | 5999   | Graduate Level Transfer Credit                               | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| EDFN    | 6033   | Inquiry Design   | Inquiry Design. Prerequisite: Graduate Standing Or Permission Of Instructor. May Be Repeated; Maximum Credit Six Hours. An Individual Or Small Group Tutorial Focused Exclusively On Preparation Of The Dissertation Or Prospectus For Interdisciplinary Critical Or Theoretical Inquiry In Historical, Philosophical, And Social Foundations Of Education. (F)  |
| EDFN    | 6703   | Advanced Studies In The History Of Educational Thought       | Advanced Studies In The History Of Educational Thought. Prerequisite: 5753 And 5783, Or Equivalent And Permission Of Instructor. May Be Repeated For Credit, Maximum Credit Nine Hours. Topical Focus Will Vary. An Individual Or Group Tutorial In Which Students Pursue Original Inquiries With Close Guidance And Contribute To The Delivery Of Edfn 5753 Or 5783. A Final Paper Suitable For Public Presentation Or Publication Is Required. (Sp)  |
| EDFN    | 6763   | Issues In Contemporary American Education                    | Issues In Contemporary American Education. Prerequisite: Graduate Standing. Backgrounds Of The Contemporary American Social Scene With Such Issues As Extension Of Educational Opportunity; Interrelationships Between Church, State And School; Changing Economic Concepts In The Age Of Technology; Purposes Of Education To Social Policy; Federal Aid To Education; Academic Freedom. (F, Sp, Su)  |
| EDFN    | 6793   | History Of American Education                                | History Of American Education. Prerequisite: Graduate Standing. Development Of Schools In American Society From Colonial Times To The Present As Set Against The Background Of Intellectual Movements And Changes From The Colonial Period To The Present. Attention Is Given To The Development Of The Organization, Administration, Finance And Curriculum In The American Public School System. Major Concepts Relating To The Maintenance Of A School In American Society Are Considered; Historical Treatment Of Nativism, Populism, Empiricism, Associationism, A Person's Relation To Spiritual And National Self, As These Topics Relate To The Development Of Educational Ideals And Practices In American Society. |
| EDFN    | 6902   | Pre-Doctoral Seminar   | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EDFN    | 6903   | Colloquium In Contemporary Educational Thought      | Colloquium In Contemporary Educational Thought. Prerequisite: 5823 And 5933, Or Equivalents And Permission Of Instructor. May Be Repeated For Credit, Maximum Credit Nine Hours. Topical Focus On Selected Conceptual Problems Will Vary. A Colloquium In Which Students Share And Practice Mutual Critique Of Original Inquiries They Are Pursuing With Close Guidance. Participation In The Delivery Of Edfn 5823 Or 5933 And A Final Paper Suitable For Public Presentation Or Publication Is Required. (F) |
| EDFN    | 6933   | Naturalistic & Qualitative Research In Education    | Naturalistic & Qualitative Research In Education. Prerequisite: Graduate Standing And Pro-Seminar. Designed To Familiarize Graduate Students In Education With Naturalistic Research And Qualitative Methodologies.  |
| EDFN    | 6970   | Post-Master's Seminar                               | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)   |
| EDFN    | 6973   | Documentary And Narrative Research                  | Documentary And Narrative Research. Prerequisite: Graduate Standing Or Permission Of Instructor. Examines Problems And Methods Of Non-Empirical Research In Education. Use Of Primary And Secondary Sources, Evidence, Generalization, Interpretation, Documentation, Citation, And Oral History Are Discussed. (F)  |
| EDFN    | 6980   | Research for Doctoral Dissertation                  | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)  |
| EDLT    | 1999   | Lower Division Transfer Credit                      | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| EDLT    | 2960   | Individual Study                                    | 1 to 4 hours. Prerequisite: good standing in University; fewer than 62 total hours; approval of instructor and dean. May be repeated; maximum credit four hours. Designed to provide an introduction to the study of education through a rigorous program of readings under the direction of a member of the faculty. (Irreg.)   |
| EDLT    | 3143   | Language and Literacy Development Birth through 5   | Prerequisite: junior standing and admission to OU-Tulsa early childhood education program. Acquaints early childhood preservice teachers with theories of language and emergent literacy development, including key precursors to conventional reading and writing, developmentally appropriate assessment practices, evidence-based curriculum and instructional practices, and materials to support language and literacy learning in early childhood settings for children from birth through age 5. (Sp)   |
| EDLT    | 3183   | Theories of Literacy Development for Young Children | Prerequisite: admission to Teacher Education program. Introduction to the essential concepts of language and literacy learning and teaching from birth through third grade. Topics include theories of language and literacy development, components of a literacy-rich environment, and evaluation of literacy activity. (F)  |
| EDLT    | 3253   | Understanding and Teaching Children's Literature    | Prerequisite: admission to Teacher Education program. Introduction to children's literature from infancy to middle school, elements of literature, and how to encourage children's responses to literature. Topics include understanding literary genre, the history of children's literature, book selection, literary response theory, and the development of a literature curriculum. (F, Sp, Su)   |
| EDLT    | 3440   | Mentored Research Experience                        | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)                                  |
| EDLT    | 3711   | Language and Literacy Practicum I                   | Prerequisite: admission to Teacher Education program; EDLT 3253 or concurrent enrollment; corequisite: EDLT 3713. Support preservice teachers in making connections between theories of language and literacy development/assessment and children's actual literacy learning processes and products. (F, Sp, Su)   |



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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| EDLT    | 3713   | Foundations of Language and Literacy Development and Assessment       | Prerequisite: admission to Teacher Education program; EDLT 3253 or concurrent enrollment; corequisite: EDLT 3711. Introduce theoretical and practical information related to language acquisition and development. Develop foundational knowledge about literacy assessment. (F, Sp, Su)  |
| EDLT    | 3911   | Language and Literacy Practicum                                       | Prerequisite: admission to Teacher Education program. Support pre-service teachers in making connections between theories of language and literacy evaluation and instruction and literacy learning processes and behaviors of children in primary grades.  |
| EDLT    | 3913   | Literacy in the Primary Grades  | Prerequisite: admission to Teacher Education program. Explore issues and factors related to language and literacy development in primary grades; examine how to develop proficiency in supporting children's language development; learn literacy assessment activities, interpret findings and identify children's strengths and needs; and choose instructional strategies to help children become strategic readers and writers. (F, Sp, Su)   |
| EDLT    | 3960   | Honors Reading  | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.)   |
| EDLT    | 3970   | Honors Seminar  | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| EDLT    | 3980   | Honors Research   | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| EDLT    | 3990   | Independent Study   | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| EDLT    | 3999   | Upper Division Transfer Credit  | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| EDLT    | 4113   | Literacy in the Intermediate Grades                                   | Prerequisite: EDLT 3913. Understand how to support students in the intermediate grades (4th through 6th) with a wide variety of instructional strategies and procedures to implement a balanced, comprehensive literacy program, including differentiating literacy instruction, using assessment to plan instruction, and emphasizing content area literacy. (F, Sp, Su)   |
| EDLT    | 4123   | Language and Literacy Development in Kindergarten through 3rd. grade  | Prerequisite: senior standing and admission to OU-Tulsa early childhood education program. Acquaints early childhood preservice teachers with foundations of reading and writing development in kindergarten and the primary grades, including a comprehensive literacy curriculum for reading, writing, and oral language learning how to assess literacy understandings, use data to plan instruction, evidence based developmentally appropriate instructional practices and materials to support children becoming independent conventional readers, writers, and language users by the end of third grade. (F) |
| EDLT    | 4303   | Methods, Materials & Organization of Literacy Prog for Young Children | Prerequisite: EDLT 3183. Focuses on supporting literacy learning in a variety of learning environments for children from birth through third grade. Emphasis includes developmentally appropriate teaching strategies and activities, instructional planning, organizing and managing instruction, planning the overall literacy program, integration of literacy across the curriculum, and evaluating literacy materials. (Sp)  |
| EDLT    | 4713   | Data Driven Instruction in Language and Literacy                      | Prerequisite: EDLT 3713, EDLT 3711, EDEL 4101; corequisite: EDMA 4353, EDSC 4193, EDSS 4323, EDEL 4980. Issues and factors related to language and literacy assessment, evaluation, and instruction, and best practices for developing proficiency in supporting children's language and literacy development in K-8. Administration and interpretation of assessments and use of the data to inform instructional decisions and select appropriate strategies to help children become strategic readers and writers. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDLT    | 4813   | Literature and Writing Across the Curriculum | Prerequisite: EDLT 4113. Provides pre-service teachers with the knowledge and skills needed to provide writing instruction in the elementary classroom. Students will explore children's literature as a tool for language and literacy development and writing instruction. (F, Sp)   |
| EDLT    | 4960   | Directed Readings in Education               | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| EDLT    | 4970   | Special Topics/Seminar                       | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EDLT    | 4980   | Practicum in Education                       | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)   |
| EDLT    | 4990   | Special Problems in Education                | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of title and subject. Variable as to subject and credit for areas of specialty and/or interest not otherwise provided in the standard offering of courses. (Irreg.)  |
| EDLT    | 5910   | Practicum in Education--Master's             | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)  |
| EDLT    | 5920   | Internship in Education--Master's            | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EDLT    | 5940   | Field Studies in Education                   | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.) |
| EDLT    | 5960   | Directed Readings                            | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)   |
| EDLT    | 5970   | Special Topics/Seminar                       | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDLT    | 5972   | Pre-Master's Seminar                         | Prerequisite: 12 hours of education, graduate standing, permission of instructor. May be repeated; maximum credit four hours. Enrollment limited to students who are in early post-baccalaureate curricula. (Irreg.)   |
| EDLT    | 5980   | Research for Master's Thesis                 | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| EDLT    | 5990   | Independent Study                            | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |

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| Subject | Number | Title                              | Course Description  |
|---------|--------|------------------------------------|---|
| EDLT    | 5999   | Graduate Level Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| EDLT    | 6902   | Pre-Doctoral Seminar               | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)  |
| EDLT    | 6910   | Practicum in Educ--Doctoral        | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)  |
| EDLT    | 6920   | Internship in Education--Doctoral  | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)              |
| EDLT    | 6930   | Intensive Studies in Education     | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)                                   |
| EDLT    | 6960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| EDLT    | 6970   | Post-Master's Seminar              | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)  |
| EDLT    | 6980   | Research for Doctoral Dissertation | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)   |
| EDLT    | 6990   | Individual Study in Education      | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)   |
| EDMA    | 1999   | Lower Division Transfer Credit     | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| EDMA    | 2960   | Individual Study                   | 1 to 4 hours. Prerequisite: good standing in University; fewer than 62 total hours; approval of instructor and dean. May be repeated; maximum credit four hours. Designed to provide an introduction to the study of education through a rigorous program of readings under the direction of a member of the faculty. (Irreg.)  |
| EDMA    | 3353   | PK-3 Mathematics Concepts          | Prerequisite: admission to the teacher education program and 1000-level Gen Ed approved Math, MATH 2213. Addresses the important "big" ideas in mathematics that are appropriate for pk-3rd grade students to learn. How research, theory and practice facilitate young children's learning will be explored. Will also be emphasis on inquiry based/problem centered curriculum, instructional strategies and assessment. (F, Sp, Su)  |
| EDMA    | 3440   | Mentored Research Experience       | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| EDMA    | 3960   | Honors Reading   | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.)   |
| EDMA    | 3970   | Honors Seminar   | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| EDMA    | 3980   | Honors Research  | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| EDMA    | 3990   | Independent Study  | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| EDMA    | 3999   | Upper Division Transfer Credit                                 | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| EDMA    | 4233   | Developing Problem-Solving Environ for Secondary Math Learning | Prerequisite: Mathematics 2433 or Mathematics 2924, and full admission to the Mathematics Education Program. The development of problem-solving environments for middle and high school mathematics learning. Emphasizes student characteristics, issues of equity and diversity, theories of teaching and learning, and current best practices from research into mathematics teaching and learning. Areas of focus will include problem-centered learning, appropriate uses of technology, and inclusion of historical and interdisciplinary topics in teaching mathematics for all students. (F) |
| EDMA    | 4243   | Fundamental Concepts of Secondary Math Learning                | Prerequisite: EIPT 3473, and senior standing. Fundamental concepts of mathematics relevant to the secondary school mathematics curriculum. Development of secondary mathematics curriculum and appropriate instructional methods for the teaching of Algebra, relations and functions. This course will serve as the senior capstone. (Sp) [V]  |
| EDMA    | 4253   | Teaching and Learning of Mathematics Reasoning and Proof       | Prerequisite: full admission to Mathematics Education Program; recommend completion of EDMA 4233. This course focuses on the content and methodology of teaching middle and high school mathematics including geometry and trigonometry generally defined as reasoning and proof. (F)   |
| EDMA    | 4353   | 4-8 Grade Mathematics Concepts                                 | Prerequisite: MATH 2213; MATH 2223; EDMA 3353; EDEL 4101; corequisite: EDLT 4813; EDSC 4193; EDSS 4323; EDEL 4980. Students will be engaged in planning, implementing, and evaluating mathematics curriculum and instruction in the elementary school grades 4 - 8. Materials and discussions relevant to learner diversity, the appropriate use of technology, and how to integrate mathematics with other subjects will be infused throughout the course. (F, Sp)   |
| EDMA    | 4960   | Directed Readings in Education                                 | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| EDMA    | 4970   | Special Topics/Seminar   | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDMA    | 4980   | Practicum in Mathematics Education                             | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDMA    | 4990   | Special Problems in Education  | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of title and subject. Variable as to subject and credit for areas of specialty and/or interest not otherwise provided in the standard offering of courses. (Irreg.)  |
| EDMA    | 5013   | Algebra and Mathematical Tasks at the Elementary Level (PK-6)  | Prerequisite: graduate standing. This course will focus on early algebra concepts of functional thinking and generalized arithmetic. Additionally, attention will be given to the analysis and construction of effective mathematical tasks in the teaching of algebra. (Irreg)  |
| EDMA    | 5023   | Geometry, Spatial Visualization, and Learning Trajectories at the Elementary Level (PK-8)            | Prerequisite: graduate standing. Focuses on geometric concept development at the PK-8 level and an understanding of spatial visualization. Attention will be given to the understanding of learning trajectories for elementary grades. (Irreg.)   |
| EDMA    | 5033   | Data Analysis, Measurement and Instructional Technology at the Elementary Level (PK-6)               | Prerequisite: graduate standing. Focus on statistical literacy of elementary teachers and the teaching of data analysis and measurement to PK-8 students. Additional emphasis will be placed on the use of technology to enhance student learning of mathematics. (Irreg.)   |
| EDMA    | 5043   | Number Concepts and Assessment at the Elementary Level (PK-6)  | Prerequisite: graduate standing. Focus on the analysis and construction of effective mathematical tasks in teaching number systems and operations at the PK-6 level. In addition, attention will also be given to the expansion of content knowledge and issues related to assessment. (Irreg.)  |
| EDMA    | 5053   | Rational Number Concepts, Proportional Reasoning & Classroom Interactions at Elementary Level (PK-6) | Prerequisite: graduate standing and EDMA 5043. This course will focus on teaching rational number concepts and developing proportional reasoning skills for PK-6 classrooms. Additional attention will be given to learning methods which facilitate appropriate classroom interactions. (Irreg)   |
| EDMA    | 5063   | Mathematics Leadership and Coaching  | Prerequisite: graduate standing and 9 hours of the following: EDMA 5013; EDMA 5023; EDMA 5033; EDMA 5043; EDMA 5053. This course develops skills and knowledge for school mathematics program design and leadership, and for coaching other teaching professionals in mathematics teaching. (Irreg.)   |
| EDMA    | 5153   | Problem Centered Learning in Mathematics   | Prerequisite: graduate standing. Intended for mathematics teachers at any level, the course is designed so participants can engage in non-routine problem solving as a basis for examining and reflecting on such an approach to the teaching and learning of mathematics. (Irreg.)  |
| EDMA    | 5523   | Elementary School Mathematics Curriculum   | Prerequisite: graduate standing. Analysis of research, trends, and issues in elementary mathematics teaching. Special attention is given to the research and theoretical bases underpinning curricula. (Irreg.)  |
| EDMA    | 5533   | The Middle School/High School Math Curriculum  | Prerequisite: graduate standing. Analysis of research, trends, and issues in middle school and high school mathematics teaching. Special attention is given to the research and theoretical bases underpinning curricula. (Irreg.)   |
| EDMA    | 5753   | Theory and Research in Mathematics Education   | Prerequisite: graduate standing. Designed to enhance appreciation for and understanding of research methods and findings in mathematics education. Students explore the history of research in mathematics education, discuss various theories of mathematics learning and understanding, evaluate, synthesize, and critique mathematics education research, understand a variety of research methodologies, and conduct original research. (Irreg.) |
| EDMA    | 5763   | History of Mathematics for Educators   | Prerequisite: graduate standing. Designed to offer a sense of the rich history of mathematics as an intellectual pursuit as well as for its practical significance. Will include presentation of methods and materials historical in nature that can be utilized by practicing classroom teachers to motivate and understanding of and appreciation for mathematics. (Irreg.)  |
| EDMA    | 5910   | Practicum in Education--Master's   | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)                  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EDMA    | 5920   | Internship in Education--Master's             | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EDMA    | 5940   | Field Studies in Mathematics Education        | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.) |
| EDMA    | 5960   | Directed Readings                             | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)   |
| EDMA    | 5970   | Special Topics/Seminar                        | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDMA    | 5972   | Pre-Master's Seminar                          | Prerequisite: 12 hours of education, graduate standing, permission of instructor. May be repeated; maximum credit four hours. Enrollment limited to students who are in early post-baccalaureate curricula. (Irreg.)   |
| EDMA    | 5973   | The Use of Technology in Teaching Mathematics | Prerequisite: graduate standing. Examination of relevant technologies and their uses in and implications for the teaching and learning of mathematics. Special attention is given to developing critical reflective practice and providing perspectives on current trends and issues in mathematics education research. (Irreg.)   |
| EDMA    | 5980   | Research for Master's Thesis                  | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| EDMA    | 5990   | Independent Study                             | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| EDMA    | 5999   | Graduate Level Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| EDMA    | 6163   | Systems Theory & Learning Organizations       | Prerequisite: graduate standing, permission of instructor. Examines system theories, including the development and significance of complex adaptive systems, complexity analyses, and paradigms associated with new science, especially related to the educational context. (Irreg.)   |
| EDMA    | 6902   | Pre-Doctoral Seminar                          | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)   |
| EDMA    | 6910   | Practicum in Education--Doctoral              | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)   |
| EDMA    | 6920   | Internship in Education--Doctoral             | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)   |

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| Subject | Number | Title                              | Course Description  |
|---------|--------|------------------------------------|---|
| EDMA    | 6930   | Intensive Studies in Education     | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)   |
| EDMA    | 6960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| EDMA    | 6970   | Post-Master's Seminar              | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)  |
| EDMA    | 6980   | Research for Doctoral Dissertation | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)   |
| EDMA    | 6990   | Individual Study in Education      | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)   |
| EDPC    | 2970   | Special Topics/Seminar             | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)  |
| EDPC    | 3440   | Mentored Research Experience       | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| EDPC    | 3960   | Honors Reading                     | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| EDPC    | 3970   | Honors Seminar                     | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| EDPC    | 3980   | Honors Research                    | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| EDPC    | 4970   | Special Topics/Seminar             | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDPC    | 5113   | Human Development                  | Prerequisite: Admission to Professional Counseling M.Ed. program or permission of instructor. An introductory survey of current theory and research as it applies to human development across the lifespan. Emphases include cognitive and language development, self and social development, and contextual influences on development. Particular focus will be on human development as related to counseling. (F)   |
| EDPC    | 5234   | Individual Intelligence Testing    | Prerequisite: admission to Professional Counseling, M.Ed. program or Counseling Psychology, Ph.D. program, or permission of instructor. Classroom experience dealing with the rationale, purpose, and ethics involved in individual intelligence testing, plus laboratory experience in the administration, scoring, and interpretation of the Stanford-Binet and Wechsler scales with an emphasis on the Wechsler scales. (Sp)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| EDPC    | 5253   | Assessment in Counseling                                  | Prerequisite: admission to Professional Counseling, M.Ed. program or permission of instructor. Theories of personality and intelligence testing will be discussed. Students will gain knowledge and experience in administering, scoring, and interpreting personality tests and in interpreting intelligence tests with an emphasis on the Wechsler scales. (F)  |
| EDPC    | 5263   | Professional Issues and Ethics in Counseling              | Prerequisite: Must be admitted to masters program in Professional Counseling. This course introduces graduate students in counseling to professional, legal and ethical issues in professional counseling. The course reviews literature and covers topics pertaining to counseling, supervision, teaching, and research, with special focus on areas that are most important and most current in the field. (Sp)   |
| EDPC    | 5413   | Occupational Information--Career Development              | Prerequisite: admission to Professional Counseling, M.Ed. program or Counseling Psychology, Ph.D. program, or permission of instructor. Methods of preparing informational files for student use; nature of educational and occupational information, job classification, sources of information, and occupational surveys and trends. Theories of career development; techniques of job and occupational analysis; individual experiences of reporting client career development. (F)  |
| EDPC    | 5423   | Methods and Techniques of Counseling                      | Prerequisite: admission to Professional Counseling, M.Ed. program or Counseling Psychology, Ph.D. program, or permission of instructor. Introduction to stages in the counseling process; interviewing skills; counseling objectives; appropriate strategies. Common theories of counseling and psychotherapy and ethical considerations are considered. (Su)   |
| EDPC    | 5433   | Theories and Techniques of Group Counseling               | Prerequisite: admission to Professional Counseling, M.Ed. program or Counseling Psychology, Ph.D. program. Introduction to types of groups, group development, group leadership, and group dynamics with an emphasis on counseling groups. Includes experiential training in group work. (Su)   |
| EDPC    | 5443   | Family Systems Theory                                     | Prerequisite: Admission to Professional Counseling M.Ed. program (M216). An introduction to family counseling and therapy as one of the approaches to dealing with interpersonal conflict. The focus of the course is to introduce a scientific paradigm for family systems and counseling and to use a competency-based approach to intervention that is consistent with current guidelines. Assessment approaches are also discussed. (F)   |
| EDPC    | 5453   | Social & Cultural Diversity                               | Prerequisite: Admission to Professional Counseling M.Ed. program (M216). Focuses on increasing understanding of and sensitivity regarding cognitive aspects, discourses, political realities, and issues of awareness in various minority groups, including issues related to cultural values and spirituality. Methods for increasing multicultural communication and social justice research in counseling are discussed. (F)   |
| EDPC    | 5473   | Counseling Theories                                       | Prerequisite: admission to Professional Counseling, M.Ed. program or Counseling Psychology, Ph.D. program, or permission of instructor. Surveys prevalent counseling theories within the overarching categories of psychodynamic, humanistic, behavioral and cognitive-behavioral, and contextual and constructivist approaches. In addition, multicultural counseling competencies will be reviewed. Theories presented will be discussed in terms of counseling goals, central concepts and techniques, diversity applications, and research support. (F) |
| EDPC    | 5483   | Behavior Disorders  | Prerequisite: admission to Professional Counseling, M.Ed. program or Counseling Psychology, Ph.D. program, or permission of instructor. Diagnostically oriented course in abnormal behavior stressing standard nosology exemplified by the Diagnostic and Statistical Manual of the American Psychiatric Association (DSM). (Sp)  |
| EDPC    | 5513   | Introduction to Abuse and Addictions Theory and Treatment | Prerequisite: Admission to Professional Counseling M.Ed. program or permission of instructor. An overview of various abuse and addiction theories, treatment and stages of change, including substance use disorders, gambling addictions and sex addictions. (Su)  |
| EDPC    | 5523   | Addictions and Family Theory                              | Prerequisite: Admission to Professional Counseling M.Ed. program or permission of instructor. An overview of various addictions with emphasis on substance use disorders and their effect on individuals, families, and communities. The course will focus on prevention and treatment. (Sp)  |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| EDPC    | 5533   | Psychopharmacology/Neurobiology of Addiction                             | Prerequisite: Admission to Professional Counseling M.Ed. program or permission of instructor. In this course, alcohol and drug dependency is explored through the study of brain chemistry and related causal factors and pathophysiological processes. The role of psychopharmacology is addressed as an agent frequently used in the management and resolution of withdrawal symptoms. (Sp)   |
| EDPC    | 5543   | Addictions Counseling: Theoretical Approaches and Co-Occurring Disorders | Prerequisite: Admission to Professional Counseling M.Ed. program or permission of instructor. Examines major theoretical approaches to the treatment of substance abuse. Diagnosis of co-occurring disorders will also be addressed. (F)  |
| EDPC    | 5553   | Addictions in Family Counseling  | Prerequisite: Admission to Professional Counseling M.Ed. program or permission of instructor. Examines major Family Counseling Treatment approaches to substance abuse and addiction. Various assessment instruments will be examined and family dynamics will be studied. Multicultural issues will also be examined. (Sp)   |
| EDPC    | 5623   | Advanced Counseling Techniques   | Prerequisite: Admission to Professional Counseling M.Ed. program (M216). This course is for students with advanced standing in Professional Counseling with a focus on deepening understanding of counseling theory and honing applied therapeutic skill. It is designed to facilitate exploration of advanced counseling theory and technique, with an emphasis on applied procedures. (Sp)  |
| EDPC    | 5633   | Clinical Supervision   | Prerequisite: Admission to Professional Counseling M.Ed. program (M216). The purpose of this course is to begin to familiarize students in counseling with the research and applied literature on clinical supervision. The primary model examined is the developmental approach to supervision. Consultation will also be discussed. (Sp)  |
| EDPC    | 5653   | Crisis Counseling  | Prerequisite: Admission to Professional Counseling M.Ed. program (M216) or permission of instructor. An overview of methods and techniques used in assessing and implementing effective interventions in crisis counseling settings. (Su)   |
| EDPC    | 5910   | Practicum in Counseling--Master's  | 1 to 4 hours. Prerequisite: admission to Professional Counseling, M.Ed. program or Counseling Psychology, Ph.D. program. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (F, Sp)     |
| EDPC    | 5923   | Internship in Professional Counseling                                    | Prerequisite: Admission to Professional Counseling M.Ed. program (M216). Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EDPC    | 5960   | Directed Readings  | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)  |
| EDPC    | 5970   | Special Topics/Seminar   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EDPC    | 5980   | Research for Master's Thesis   | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. Laboratory (F, Sp, Su)   |
| EDPR    | 2960   | Individual Study   | 1 to 4 hours. Prerequisite: good standing in University; fewer than 62 total hours; approval of instructor and dean. May be repeated; maximum credit four hours. Designed to provide an introduction to the study of education through a rigorous program of readings under the direction of a member of the faculty. (Irreg.)  |
| EDPR    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |

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| Subject | Number | Title                             | Course Description  |
|---------|--------|-----------------------------------|---|
| EDPR    | 3960   | Honors Reading                    | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| EDPR    | 3970   | Honors Seminar                    | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| EDPR    | 3980   | Honors Research                   | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| EDPR    | 3990   | Independent Study                 | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| EDPR    | 4970   | Special Topics/Seminar            | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDPR    | 4980   | Practicum in Education            | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)  |
| EDPR    | 5910   | Practicum in Education--Master's  | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)   |
| EDPR    | 5920   | Internship in Education--Master's | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)   |
| EDPR    | 5940   | Field Studies in Education        | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.)                |
| EDPR    | 5960   | Directed Readings                 | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)  |
| EDPR    | 5970   | Special Topics/Seminar            | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EDPR    | 5972   | Pre-Master's Seminar              | Prerequisite: 12 hours of education, graduate standing, permission of instructor. May be repeated; maximum credit four hours. Enrollment limited to students who are in early post-baccalaureate curricula. (Irreg.)  |
| EDPR    | 5980   | Research for Master's Thesis      | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |

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| Subject | Number | Title                              | Course Description  |
|---------|--------|------------------------------------|---|
| EDPR    | 5990   | Independent Study                  | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| EDPR    | 6902   | Pre-Doctoral Seminar               | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)  |
| EDPR    | 6910   | Practicum in Education--Doctoral   | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)  |
| EDPR    | 6920   | Internship in Education--Doctoral  | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)              |
| EDPR    | 6930   | Intensive Studies in Education     | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)                                   |
| EDPR    | 6960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| EDPR    | 6970   | Post-Master's Seminar              | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)  |
| EDPR    | 6980   | Research for Doctoral Dissertation | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)   |
| EDPR    | 6990   | Individual Study in Education      | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)   |
| EDPY    | 1999   | Lower Division Transfer Credit     | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| EDPY    | 2960   | Individual Study                   | 1 to 4 hours. Prerequisite: good standing in University; fewer than 62 total hours; approval of instructor and dean. May be repeated; maximum credit four hours. Designed to provide an introduction to the study of education through a rigorous program of readings under the direction of a member of the faculty. (Irreg.)  |
| EDPY    | 3440   | Mentored Research Experience       | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |

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| Subject | Number | Title                               | Course Description  |
|---------|--------|-------------------------------------|---|
| EDPY    | 3960   | Honors Reading                      | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| EDPY    | 3970   | Honors Seminar                      | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| EDPY    | 3980   | Honors Research                     | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| EDPY    | 3990   | Independent Study                   | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| EDPY    | 3999   | Upper Division Transfer Credit      | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| EDPY    | 4413   | Introduction to Counseling          | Prerequisite: senior standing or permission of instructor. Development of the counseling and guidance profession. Various approaches and techniques employed in counseling. Work of the counselor in various settings. Introduction to basic theoretical and philosophical positions in counseling and guidance.  |
| EDPY    | 4493   | Family Psychology                   | (Slashlisted with 5493) Prerequisites: PSY 1113 and junior or senior standing, or permission of instructor. Examine relationships in families from a psychological perspective including issues such as attachment, intimacy, communication, conflict, and cultural considerations. In addition, a variety of family forms and challenges will be presented. The primary focus will be on healthy family functioning within a multicultural world. No student may earn credit for both 4493 and 5493. (Sp)                      |
| EDPY    | 4960   | Directed Readings in Education      | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| EDPY    | 4970   | Special Topics/Seminar              | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDPY    | 4980   | Practicum in Educational Psychology | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)  |
| EDPY    | 4990   | Special Problems in Education       | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of title and subject. Variable as to subject and credit for areas of specialty and/or interest not otherwise provided in the standard offering of courses. (Irreg.)   |
| EDPY    | 5234   | Individual Intelligence Testing     | Prerequisite: admission to Community Counseling, M.Ed. program or Counseling Psychology, Ph.D. program, or permission of instructor. Classroom experience dealing with the rationale, purpose, and ethics involved in individual intelligence testing, plus laboratory experience in the administration, scoring, and interpretation of the Stanford-Binet and Wechsler scales with an emphasis on the Wechsler scales. (Sp)  |

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| Subject | Number | Title                          | Course Description   |
|---------|--------|--------------------------------|--|
| EDPY    | 5253   | Personality Assessment         | Prerequisite: admission to Community Counseling, M.Ed. program or Counseling Psychology, Ph.D. program, or permission of instructor. Theories of personality testing and of personality. Students will acquire the skills requisite to administer a variety of personality tests used in community agencies and be able to interpret and write reports on findings. (F)  |
| EDPY    | 5293   | Psychoneuropharmacology        | Prerequisite: admission to Community Counseling, M.Ed. program or Counseling Psychology, Ph.D. program, or permission of instructor. Focuses on two aspects of psychoneuropharmacology: (a) relevant neurobiological topics ranging from receptor functioning to the actions of neural mechanisms thought to produce phenomena such as fear and anxiety, mood disorders, and so on; and (b) the application of psychopharmacological tools, including pharmacodynamics and pharmacokinetics, in treating mental disorders. Diagnosis as it relates to treatment with psychotropic medications; general psychodynamics, effects, and side effects of the major medications will be explored. Pharmacodynamics and pharmacokinetics in racially and ethnically diverse populations will be discussed. (Irreg.) |
| EDPY    | 5463   | Multicultural Counseling       | Prerequisite: admission to Community Counseling, M.Ed. program or Counseling Psychology, Ph.D. program. Consideration of the effects of cultural, ethnic, and/or language differences between counselor and counselee in the helping process. Sensitization to minority cultural values. Methods for enhancing multicultural communication. (F)  |
| EDPY    | 5493   | Family Psychology              | (Slashlisted with 4493) Prerequisite: major in Community Counseling, graduate standing. Examine relationships in families from a psychological perspective including issues such as attachment, intimacy, communication, conflict, and cultural considerations. In addition, a variety of family forms and challenges will be presented. The primary focus will be on healthy family functioning within a multicultural world. No student may earn credit for both 4493 and 5493. (Sp)   |
| EDPY    | 5940   | Field Studies in Education     | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.)   |
| EDPY    | 5980   | Research for Master's Thesis   | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| EDPY    | 5990   | Independent Study              | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| EDPY    | 5999   | Graduate Level Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| EDPY    | 6050   | Individual Research            | 1 to 4 hours. Prerequisite: admission to doctoral program in Educational and Counseling Psychology. May be repeated; maximum credit six hours. A seminar to initiate and conduct research projects on current topics in educational and counseling psychology. Funding sources and dissemination procedures will be presented.   |
| EDPY    | 6063   | Counseling Psychology Research | Prerequisite: admission to Counseling Psychology program, or permission of instructor. Designed to further acquaint students with the use of measurement and statistics in research, to provide students with a basic vocabulary of experimental design, to enable them to design and evaluate research pertinent to counseling and to enable them to review and critique current research in counseling.  |

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| Subject | Number | Title                                       | Course Description  |
|---------|--------|---|---|
| EDPY    | 6103   | Individual Intelligence Testing             | Prerequisite: admission to Counseling Psychology, Ph.D. program (D255). Classroom experience dealing with the rationale, purpose, and ethics involved in individual intelligence testing, plus laboratory experience in the administration, scoring, and interpretation of the Stanford-Binet and Wechsler scales with an emphasis on the Wechsler scales. (F)  |
| EDPY    | 6203   | Personality Assessment                      | Prerequisite: admission to Counseling Psychology, Ph.D. program (D255). Theories of personality testing and of personality. Students will acquire the skills requisite to administer a variety of personality tests used in community agencies and be able to interpret and write reports on findings. (Sp)   |
| EDPY    | 6403   | Issues and Ethics in Counseling Psychology  | Prerequisite: admission to Counseling Psychology, Ph.D. program. Orientation to counseling psychology as a profession. Provides a thorough exploration of important professional, ethical, and legal issues in the practice of psychology. (F)  |
| EDPY    | 6413   | Theories of Counseling and Psychotherapy    | Prerequisite: admission to Counseling Psychology, Ph.D. program. An advanced course covering the formal aspects of counseling theory as well as selective content of the major counseling/therapy and vocational theories. Major focus is on assisting the student to critically compare various theoretical positions and evolve a personally meaningful approach to counseling and therapy. (Sp)                        |
| EDPY    | 6423   | Advanced Counseling Procedures              | Prerequisite: admission to Counseling Psychology, Ph.D. program. Reviews the current literature on evidence-based practice in psychology (EBPP), including exposure to manualized treatments and common factors. (Sp)   |
| EDPY    | 6433   | Advanced Group Counseling and Psychotherapy | Prerequisite: admission to Counseling Psychology, Ph.D. program. Designed to examine in-depth the theoretical, empirical, and applied dimensions of group counseling and psychotherapy, with an emphasis on process-oriented groups. (Su)   |
| EDPY    | 6443   | Advanced Counseling and Therapy: Children   | Prerequisite: admission to Counseling Psychology, Ph.D. program. Focuses on specialized counseling skills needed for working with children, with particular attention to diagnosis, interventions, and working with parents. (F)  |
| EDPY    | 6463   | Couples and Family Therapy                  | Prerequisite: admission to Counseling doctoral program or permission of instructor. Focus on evidence-based counseling approaches for working with couples and families. Emphasis on relevant multicultural competencies and research specific to couples and families. (Sp-odd years)  |
| EDPY    | 6473   | Biopsychosocial Bases of Health Psychology  | Prerequisite: admission to Counseling Psychology, Ph.D. program. Designed to provide an integrative framework for examining biological, psychological, and social influences on behavior and health from the applied perspective of counseling psychology. (F)  |
| EDPY    | 6483   | Advanced Career Counseling                  | Prerequisite: admission to Counseling Psychology, Ph.D. program. Designed to prepare students in the area of career counseling and acquaint them with current theoretical and empirical literature as a basis for clinical practice. (Su)   |
| EDPY    | 6503   | Counseling Psychology--Supervision          | Prerequisite: admission to counseling psychology program or permission of instructor. Develops skills and cognitive knowledge in the area of supervision. Various approaches to supervision will be considered. Practice in supervising master's level or paraprofessional counselors will be required. (F)   |
| EDPY    | 6910   | Practicum in Counseling-Doctoral            | 0 to 6 hours. Prerequisite: admission to Counseling Psychology, Ph.D. program. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (F, Sp, Su) |
| EDPY    | 6913   | Counseling Psychology Practicum             | Prerequisite: admission to Counseling Psychology Ph.D. program. May be repeated; maximum credit 15 hours. Designed to facilitate acquisition and development of clinical skills (diagnostic, conceptual, relationship) through combined didactic instruction, experiential training, and individual and group supervision. (F, Sp)  |

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| Subject | Number | Title                              | Course Description  |
|---------|--------|------------------------------------|---|
| EDPY    | 6920   | Internship in Education--Doctoral  | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EDPY    | 6930   | Intensive Studies in Education     | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)   |
| EDPY    | 6960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| EDPY    | 6970   | Post-Master's Seminar              | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)  |
| EDPY    | 6980   | Research for Doctoral Dissertation | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)   |
| EDPY    | 6990   | Individual Study in Education      | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)   |
| EDRG    | 0999   | Remedial Reading                   |   |
| EDRG    | 1999   | Lower Division Transfer Credit     | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| EDRG    | 2960   | Individual Study                   | 1 to 4 hours. Prerequisite: good standing in University; fewer than 62 total hours; approval of instructor and dean. May be repeated; maximum credit four hours. Designed to provide an introduction to the study of education through a rigorous program of readings under the direction of a member of the faculty. (Irreg.)  |
| EDRG    | 3440   | Mentored Research Experience       | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| EDRG    | 3960   | Honors Reading                     | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| EDRG    | 3970   | Honors Seminar                     | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| EDRG    | 3980   | Honors Research                    | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| EDRG    | 3990   | Independent Study                  | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |

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| Subject | Number | Title                                   | Course Description   |
|---------|--------|---|--|
| EDRG    | 3999   | Upper Division Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| EDRG    | 4960   | Directed Readings in Education          | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| EDRG    | 4970   | Special Topics/Seminar                  | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EDRG    | 4980   | Practicum in Reading Education          | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)   |
| EDRG    | 5103   | New Literacies in 21st Century Learning | Prerequisite: graduate standing. This course will explore new definitions of what it means to be literate across the disciplines and the social practices around literacy that are necessary for understanding and creating a wide range of texts in multimodal and digital contexts. Research and theory in New Literacies/new literacies will be examined along with best practices to take advantage of new literacies in all classrooms (elementary/secondary; language arts, social studies, STEM/STEAM: vocational fields). (Irreg.) |
| EDRG    | 5444   | Practicum in Reading Education          | Prerequisite: graduate standing and 5613. Students will practice assessment and instructional skills with struggling readers in one-on-one and small group settings. Students will also practice observation, coaching, and feedback skills as literacy mentors and coaches to pre-service teachers. (Sp)  |
| EDRG    | 5553   | Issues and Research in Reading/Literacy | Prerequisite: graduate standing. Exploration of current issues in reading and literacy. Examination and critique of different paradigms of research. Students will plan and conduct a research project on one of the issues using one of the research paradigms. (Irreg.)  |
| EDRG    | 5573   | Culture, Language and Literacy          | Prerequisite: graduate standing. Study of cultural diversity through the lenses of language and literacy. Information presented is woven through these strands: language and learning, second language learning, culture and identity. (Irreg.)  |
| EDRG    | 5723   | Emergent and Beginning Literacy         | Prerequisite: graduate standing. Discuss and explore topics related to how young children develop emergent and beginning literacy skills and knowledge, and how teachers effectively support that literacy learning. (Irreg.)  |
| EDRG    | 5733   | Adolescent Literacy                     | Prerequisite: graduate standing. May be repeated; maximum credit 6 hours. Explore theoretical and practical base for adolescent literacy, including school and community content for adolescent literacy instruction, integration of literacy with content instruction, transition across grades. (Irreg.)   |
| EDRG    | 5753   | Literacy and Technology                 | Prerequisite: graduate standing. Survey of role of technology in literacy curriculum, including issues of effective technology integration to support literacy teaching and learning. Use of literacy technology applications. (Irreg.)  |
| EDRG    | 5803   | Theories of Reading & Literacy          | Prerequisite: graduate standing, 5613. Explores the theoretical basis of the reading, writing, and learning process. Topics to be discussed include the importance of language, social content, and culture; the meaning construction process; the role of perception, word recognition, metacognition, and affect on literacy and learning; and, how different models of the reading/writing process suggest different classroom learning environments. (Sp)  |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| EDRG    | 5813   | Applications of Literacy Assessment and Evaluation | Prerequisite: graduate standing. Focus is on group and individual classroom assessment strategies for the areas of literacy competence including emergent literacy, reading comprehension, automatic word recognition, vocabulary knowledge, fluency, spelling, and composition. Students will be supervised in the administration and interpretation of a variety of formal and informal assessments including standardized measures (both norm- and criterion-referenced), screening and diagnostic tests, and anecdotal observations. (Sp) |
| EDRG    | 5821   | Clinic: Diagnostic Case Study                      | Clinic: Diagnostic Case Study. Prerequisite: Edrg 5613; Corequisite: 5812. Practice Administering And Interpreting A Variety Of Assessments. Assessment Of A Student With Reading Difficulties And Writing A Case Study. (F)  |
| EDRG    | 5843   | Teaching Writing in Elementary Classrooms          | Prerequisite: Admission to the Graduate Program in Reading Education. Surveys the theory and practice of teaching writing. The focus is on writing instruction across the curriculum in elementary classrooms. Topics addressed include research on the writing process, trends and issues related to writing instruction, and teacher efficacy for teaching writing. (Irreg.)  |
| EDRG    | 5903   | Literacy Leadership and Coaching                   | Prerequisite: graduate standing. Explore role of reading specialist and literacy coach as leader in an educational setting. Develop understanding of how to coach teachers to support effective literacy instruction. (Irreg.)  |
| EDRG    | 5910   | Practicum in Education--Master's                   | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)   |
| EDRG    | 5920   | Internship in Education--Master's                  | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)   |
| EDRG    | 5921   | Clinic: Correcting Reading Problems                | Prerequisite: graduate standing, 5613; corequisite: 5912. Practice implementing teaching strategies to promote strategic engaged readers with a small group of students having difficulty reading. (Sp)   |
| EDRG    | 5933   | Applications of Literacy Instructional Strategies  | Prerequisite: graduate standing. Focus is on group and individual classroom instructional strategies for the areas of literacy competence including emergent literacy, reading comprehension, automatic word recognition, vocabulary knowledge, fluency, and spelling. Students will be supervised in the application of these strategies in a clinic setting with children and young adults learners.(F)   |
| EDRG    | 5940   | Field Studies in Education                         | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.)                              |
| EDRG    | 5960   | Directed Readings                                  | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)  |
| EDRG    | 5970   | Special Topics/Seminar                             | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EDRG    | 5972   | Pre-Master's Seminar                               | Prerequisite: 12 hours of education, graduate standing, permission of instructor. May be repeated; maximum credit four hours. Enrollment limited to students who are in early post-baccalaureate curricula. (Irreg.)  |

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| Subject | Number | Title                              | Course Description  |
|---------|--------|------------------------------------|---|
| EDRG    | 5980   | Research for Master's Thesis       | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| EDRG    | 5990   | Independent Study                  | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| EDRG    | 5999   | Graduate Level Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| EDRG    | 6902   | Pre-Doctoral Seminar               | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)  |
| EDRG    | 6910   | Practicum in Education--Doctoral   | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)  |
| EDRG    | 6930   | Intensive Studies in Education     | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)   |
| EDRG    | 6960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| EDRG    | 6970   | Post-Master's Seminar              | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)  |
| EDRG    | 6980   | Research for Doctoral Dissertation | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)   |
| EDRG    | 6990   | Individual Study in Education      | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)   |
| EDS     | 1999   | Lower Division Transfer Credit     | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| EDS     | 3440   | Mentored Research Experience       | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| EDS     | 3960   | Honors Reading                     | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| EDS     | 3970   | Honors Seminar                     | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EDS     | 3980   | Honors Research                                   | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)  |
| EDS     | 3990   | Independent Study                                 | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)   |
| EDS     | 3999   | Upper Division Transfer Credit                    | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| EDS     | 4003   | Schools in American Cultures                      | Prerequisite: admission to Teacher Education program; EIPT 3473 or EDEC 3413. An overview of education as a profession based upon historical and philosophical principles including a treatment of current problems and affairs with specific attention given to multicultural phenomena. (F, Sp)  |
| EDS     | 4960   | Directed Readings in Education                    | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| EDS     | 4970   | Special Topics/Seminar                            | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EDS     | 4980   | Practicum in Educational Studies                  | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)   |
| EDS     | 4990   | Special Problems in Education                     | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of title and subject. Variable as to subject and credit for areas of specialty and/or interest not otherwise provided in the standard offering of courses. (Irreg.)  |
| EDS     | 5003   | School and Society                                | Prerequisite: graduate standing. Presents overview of education as a profession based upon historical, sociological, and philosophical principles, including a treatment of current problems and affairs with specific attention given to multicultural phenomena. (Sp)  |
| EDS     | 5033   | Critical Literature in Adult and Higher Education | (Crosslisted with EDAH 5033) Prerequisite: graduate standing. Explores twentieth-century ideas and issues in adult and higher education. The majority of the literature an discussion concern the university. (Sp)   |
| EDS     | 5043   | Membership and Moral Formation                    | Prerequisite: graduate standing. Course is rooted in a social-philosophical understanding of moral formation, and specifically the philosophy of moral education, not moral philosophy. Examines the ways one can become a "good person." (F)  |
| EDS     | 5663   | Religion, Public Discourse and Education          | Prerequisite: graduate standing. Examines the relationship between secular and religious world views in a liberal-democratic state. Examines the connections between religious and secular-civil morality, public and private religious belief and practice, and the relationship between church and state, especially as these conflicts intersect in public schools. (F)   |
| EDS     | 5703   | Sociology of Education                            | (Crosslisted with SOC 5703) Prerequisite: eight hours of education or permission. Social structure in the community wherein the school must operate and the nature of human relations within the school; social processes and patterns involved in the educational system relative to other aspects of our society; and the effect of the school on the behavior and personality of its participants. Lectures, class discussions, audiovisual materials and outside readings, both scientific and literary, portraying the American social scene. |

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| Subject | Number | Title                                    | Course Description   |
|---------|--------|--|--|
| EDS     | 5753   | The Educational Philosophy of John Dewey | Prerequisite: graduate standing. Close critical study of educational thought by John Dewey, his recent critics, his contemporaries, and others who influenced or were influenced by him in a multicultural, gendered, and technologically developing context. Intensive oral and written work will aim at developing continuity between theory and practice in various formal and informal educational settings. (Sp)  |
| EDS     | 5783   | Classics in Educational Thought          | Prerequisite: graduate standing or permission of instructor. Close critical study of selected "classics" in educational thought by Plato, Rousseau, DuBois, Dewey, Woolf, or others of comparable historical significance for multicultural co-education throughout the human lifespan, in a context of social inequalities. Intensive written and oral practice in basic conceptual skills and informal logic will require independent inquiries on topics of special interest to students. (F)                     |
| EDS     | 5833   | Gender, Values, and Education            | (Crosslisted with PHIL 5833) Prerequisite: graduate standing or permission of instructor. May be repeated with change of topic; maximum credit six hours. Topics vary each semester, but are developed from philosophical studies in and about education, politics, ethics, aesthetics, law and religion that address the issues of gender and sexuality. Intensive oral and written theoretical inquiry. (Irreg.)   |
| EDS     | 5910   | Practicum in Education--Master's         | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)  |
| EDS     | 5913   | Cultural Pluralism and Education         | Prerequisite: graduate standing or permission of instructor. Investigates the role of the schools from an interdisciplinary perspective using the philosophy, history, anthropology and sociology of education and cross-cultural analysis, in fostering a climate of ethnic, racial, and gender inclusiveness.  |
| EDS     | 5920   | Internship in Education--Master's        | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EDS     | 5933   | Girls, Women, and Educational Studies    | Prerequisite: graduate standing or permission of instructor. History, sociology, and/or philosophy of girls' and women's education in a multicultural context that includes family, work, and community life as well as coeducational public schooling and higher education in the U.S. Oral and written critical inquiry concerning selected primary sources will introduce students to the activity of interdisciplinary theorizing about gender and sexuality in education. (F)                                   |
| EDS     | 5940   | Field Studies in Education               | 1 to 4 hours. Prerequisite: twelve hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.) |
| EDS     | 5943   | Topics in History of Education           | Prerequisite: graduate standing. May be repeated; maximum credit six hours. Acquaints students with several diverse culture groups which constitute society in the United States and their placement within the historical context of American education. Educational experience of these groups will be discussed. Class members will integrate their personal narratives into an understanding of education in American culture. (F)   |
| EDS     | 5960   | Directed Readings                        | 1 to 4 hours. Prerequisite: twelve hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDS     | 5970   | Special Topics/Seminar                                 | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDS     | 5980   | Research for Master's Thesis                           | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| EDS     | 5990   | Independent Study                                      | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| EDS     | 5999   | Graduate Level Transfer Credit                         | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| EDS     | 6010   | Writing Educational Inquiry                            | (Crosslisted with PHIL 6010) 1 to 3 hours. Prerequisite: graduate standing, enrollment in Educational Studies graduate course, and permission based on review of writing samples. May be repeated; maximum credit nine hours. Individual or group tutorial study of informal logic and rhetorical theory concerning academic writing as a social practice. Emphasis on contextually appropriate documentation practices, philosophical moves, and rhetorical devices; development of clarity and grace in written formulations of educational concepts and values. Address various scholarly and professional situations. Aimed toward public presentation or publication. (F, Sp)                     |
| EDS     | 6033   | Inquiry Design   | Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. An individual or small group tutorial focused exclusively on preparation of the dissertation or prospectus for interdisciplinary critical or theoretical inquiry in Historical, Philosophical, and Social Foundations in Education. (F)  |
| EDS     | 6703   | Advanced Studies in the History of Educational Thought | Prerequisite: 5753 and 5783, or equivalent and permission of instructor. May be repeated for credit, maximum credit 9 hours. Topical focus will vary. An individual or group tutorial in which students pursue original inquiries with close guidance and contribute to the delivery of EDS 5753 or 5783. A final paper suitable for public presentation or publication is required. (Sp)  |
| EDS     | 6713   | Pro Seminar  | (Crosslisted with EACS 6713 and EDAH 6713) Prerequisite: graduate standing. The purpose of the Pro Seminar is to introduce beginning doctoral students to the concept and process of research. Included are issues related to the role of philosophical frameworks, theory, research conceptualization, scholarly writing, and rudimentary research methods. (F, Sp, Su)   |
| EDS     | 6763   | Issues in Contemporary American Education              | Prerequisite: graduate standing. Backgrounds of the contemporary American social scene with such issues as extension of educational opportunity; interrelationships between church, state, and school; changing economic concepts in the age of technology; purposes of education to social policy; federal aid to education; academic freedom.  |
| EDS     | 6793   | History of U.S. Education                              | Prerequisite: graduate standing. Development of schools in American society from colonial times to the present as set against the background of intellectual movements and changes from the colonial period to the present. Attention is given to the development of the organization, administration, finance and curriculum in the American public school system. Major concepts relating to the maintenance of a school in American society are considered; historical treatment of nativism, populism, empiricism, associationism, a person's relation to spiritual and national self, as these topics relate to the development of educational ideals and practices in American society. (Irreg.) |
| EDS     | 6902   | Pre-Doctoral Seminar                                   | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)   |

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|---------|--------|--|--|
| EDS     | 6910   | Practicum in Education--Doctoral                                   | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)   |
| EDS     | 6920   | Internship in Education--Doctoral                                  | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit twelve hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)   |
| EDS     | 6930   | Intensive Studies in Education                                     | 1 to 6 hours. Prerequisite: twelve hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)                        |
| EDS     | 6933   | Naturalistic and Qualitative Research in Education                 | Prerequisite: graduate standing. Designed to familiarize graduate students in education with naturalistic research and qualitative methodologies. (Irreg.)   |
| EDS     | 6943   | In-Depth Approaches to Qualitative Inquiry in Educational Research | Prerequisite: graduate standing. Students should have had some introduction to qualitative inquiry and research. Graduate students should produce a presentable conference paper and/or publishable article. In addition, students will teach their selected methodology while applying this methodology to their own study. Students will develop a deeper understanding of the philosophical congruence of students and other classmates' research projects. (F, Sp) |
| EDS     | 6960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| EDS     | 6970   | Post-Master's Seminar  | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)   |
| EDS     | 6973   | Documentary and Narrative Research                                 | Prerequisite: graduate standing or permission of instructor. Examines problems and methods of non-empirical research in education. Use of primary and secondary sources, evidence, generalization, interpretation, documentation, citation, and oral history are discussed. (F)  |
| EDS     | 6980   | Research for Doctoral Dissertation                                 | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)  |
| EDS     | 6990   | Individual Study in Education                                      | 1 to 4 hours. Prerequisite: twelve hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)  |
| EDSC    | 1999   | Lower Division Transfer Credit                                     | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| EDSC    | 3233   | Environmental Issues in the Community                              | Prerequisite: 8 to 9 hours in the natural sciences and sophomore standing. Designed for students to explore environmental issues in the surrounding community while utilizing scientific and engineering practices, which will lead to the development of interdisciplinary core ideas in the sciences. (F)  |

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| Subject | Number | Title                                  | Course Description  |
|---------|--------|--|---|
| EDSC    | 3440   | Mentored Research Experience           | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| EDSC    | 3960   | Honors Reading                         | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| EDSC    | 3970   | Honors Seminar                         | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| EDSC    | 3980   | Honors Research                        | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| EDSC    | 3990   | Independent Study                      | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| EDSC    | 3999   | Upper Division Transfer Credit         | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| EDSC    | 4093   | Inquiry-Based Science Teaching         | Prerequisite: admission to Teacher Education program. Elementary education students will be introduced to the nature of science and to concepts fundamental to science education at all grade levels including the central purpose of American education, developmental model of learning, and the teaching procedure known as the learning cycle. (F, Sp)  |
| EDSC    | 4193   | Teaching Science in Elementary Schools | Prerequisite: admission to Teacher Education program, EDSC 4093, EDEL 4101; corequisites: EDMA 4353, EDLT 4813, EDSS 4323, EDEL 4980. Experiences are provided, following the position that science is the quest for knowledge, and that this position is compatible with modern educational theory. (F, Sp)  |
| EDSC    | 4513   | Teaching Science in Secondary Schools  | (Slashlisted with 5513) Prerequisite: EIPT 3473, and senior standing. Review of the purpose of education, the nature and structure of science, review of the characteristics of the secondary school-age learner, elements of inquiry, learning in an inquiry-centered laboratory, analysis of curricula, evaluation of inquiry teaching and learning, and organization of a science laboratory for inquiry teaching. No student may earn credit for both 4513 and 5513. (F)  |
| EDSC    | 4533   | Advanced Methods in Science Teaching   | (Slashlisted with 5533) Prerequisite: EDSC 4513 and senior standing; corequisite: EDUC 4060. This course follows the position that science is the quest for knowledge. Experiences with advanced science content, technology, laboratory investigations, and modern educational theory are provided. This course will serve as the senior capstone. No student may earn credit for both EDSC 4533 and EDSC 5533. (Sp) V   |
| EDSC    | 4960   | Directed Readings in Education         | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| EDSC    | 4970   | Special Topics/Seminar                 | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EDSC    | 4980   | Practicum in Science Education                | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)   |
| EDSC    | 5513   | Teaching Science in Secondary Schools         | (Slashlisted with 4513) Prerequisite: nine hours of education, a teaching field in science. Review of the purpose of education; the nature and structure of science; review of the characteristics of the secondary school learner; elements of inquiry, learning in an inquiry-centered laboratory; analysis of curricula; evaluation of inquiry teaching and learning, organization of secondary science laboratory for inquiry teaching. No student may earn credit for both 4513 and 5513. (F, Sp)           |
| EDSC    | 5514   | Research and Development of Science Curricula | Prerequisite: EDSC 4513 or EDSC 5513. Provides the following experiences: teaching existing learning cycles to peer groups; developing new learning cycles; and teach these newly developed learning cycles to peers and/or secondary school students. (Su)  |
| EDSC    | 5523   | The Science of Learning Theories              | Prerequisite: twelve hours of education or permission of instructor. The mental functioning model of Piaget is developed through experience. The characteristics of persons at each stage of development are identified and compared. A teaching theory is drawn from the functioning model and a curriculum organization and planning theory are derived from the stage model. These theories are put into practice. (Irreg.)   |
| EDSC    | 5533   | Advanced Methods in Science Teaching          | (Slashlisted with 4533) Prerequisite: EDSC 5513 and graduate standing; corequisite: EDUC 5920 or permission of instructor. This course follows the position that science is the quest for knowledge. Experiences with advanced science content, technology, laboratory investigations, and modern educational theory are provided. No student may earn credit for both EDSC 4533 and EDSC 5533. (Sp)   |
| EDSC    | 5543   | The Elementary School Science Curriculum      | Prerequisite: twelve hours of education, graduate standing. Elementary school science curricula are examined from a theory-based perspective which includes: the nature of science, purpose of schools, developmental learning theory, and the teaching procedure known as the learning cycle. Students trace the development of American science education from 1700 to present. (Alt. F)   |
| EDSC    | 5910   | Practicum in Education--Master's              | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)  |
| EDSC    | 5920   | Internship in Education--Master's             | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EDSC    | 5940   | Field Studies in Education                    | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.) |
| EDSC    | 5960   | Directed Readings                             | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)   |
| EDSC    | 5970   | Special Topics/Seminar                        | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| EDSC    | 5972   | Pre-Master's Seminar                             | Prerequisite: 12 hours of education, graduate standing, permission of instructor. May be repeated; maximum credit four hours. Enrollment limited to students who are in early post-baccalaureate curricula. (Irreg.)  |
| EDSC    | 5980   | Research for Master's Thesis                     | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| EDSC    | 5990   | Independent Study                                | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| EDSC    | 5999   | Graduate Level Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| EDSC    | 6333   | Research Paradigms For Scientific Investigations | Prerequisite: graduate standing. Current research paradigms in science education will be constructed through readings, discussions and presentations. In the context of these research paradigms, research designs and research methods will also be explored. A thorough review of the literature will include the use of professional journals, theses, and dissertations and be used to develop a sound understanding of the different approaches to research. (Irreg.)    |
| EDSC    | 6902   | Pre-Doctoral Seminar                             | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)  |
| EDSC    | 6910   | Practicum in Education--Doctoral                 | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)  |
| EDSC    | 6920   | Internship in Education--Doctoral                | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)              |
| EDSC    | 6960   | Directed Readings                                | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| EDSC    | 6980   | Research for Doctoral Dissertation               | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)   |
| EDSC    | 6990   | Individual Study in Education                    | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)   |
| EDSE    | 1999   | Lower Division Transfer Credit                   | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| EDSE    | 3440   | Mentored Research Experience                     | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |

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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| EDSE    | 3960   | Honors Reading                            | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| EDSE    | 3970   | Honors Seminar                            | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| EDSE    | 3980   | Honors Research                           | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| EDSE    | 3990   | Independent Study                         | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| EDSE    | 3999   | Upper Division Transfer Credit            | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| EDSE    | 4960   | Directed Readings in Education            | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| EDSE    | 4970   | Special Topics/Seminar                    | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDSE    | 4980   | Practicum in Secondary Education          | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)  |
| EDSE    | 5653   | Problems of Teaching in Secondary Schools | Prerequisite: 12 hours of education, graduate standing. Place of the teacher with reference to teacher-pupil, teacher-teacher, teacher-administrator, and teacher-community relations. Problems of teaching related to criticisms of present-day secondary education; the task of secondary schools; the adolescent learner; planning for learning; appraising learning and growth; human relations; guidance; the teacher and school organization; trends in teaching. (Sp)  |
| EDSE    | 5920   | Internship in Education--Master's         | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)   |
| EDSE    | 5960   | Directed Readings                         | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)  |
| EDSE    | 5970   | Special Topics/Seminar                    | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EDSE    | 5980   | Research for Master's Thesis              | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDSE    | 5990   | Independent Study  | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| EDSE    | 5999   | Graduate Level Transfer Credit                                 | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| EDSE    | 6902   | Pre-Doctoral Seminar   | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)   |
| EDSE    | 6910   | Practicum in Education--Doctoral                               | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)   |
| EDSE    | 6920   | Internship in Education--Doctoral                              | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)       |
| EDSE    | 6960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| EDSE    | 6980   | Research for Doctoral Dissertation                             | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)  |
| EDSE    | 6990   | Individual Study in Education                                  | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)  |
| EDSP    | 1115   | American Sign Language I                                       | Prerequisite: permission of the department. This is the beginning course for American Sign Language (ASL) as a foreign language. It introduces the language, culture and traditions of Deaf people who live in the United States. Basic receptive skills, expressive skills, conceptual accuracy, and finger spelling along with Deaf Culture will be taught to help students interact with this community. (F, Sp, Su)[I-FL]  |
| EDSP    | 1225   | American Sign Language II                                      | Prerequisite: EDSP 1115 and permission of the department. This is the intermediate course for American Sign Language (ASL) as a foreign language. Students continue learning the language, culture and traditions of Deaf people that live in the United States. Intermediate receptive skills, expressive skills, conceptual accuracy, and fingerspelling along with Deaf Culture will be taught to help students interact with this community. (F, Sp)[I-FL]         |
| EDSP    | 1999   | Lower Division Transfer Credit                                 | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| EDSP    | 2113   | American Sign Language III                                     | Prerequisite: EDSP 1115, EDSP 1225, and permission of the department. This is the advanced course for American Sign Language (ASL) as a foreign language. Students continue learning the language, culture and traditions of Deaf people that live in the United States. Advanced receptive skills, expressive skills, conceptual accuracy, and fingerspelling along with Deaf Culture will be taught to help students interact with this community. (F, Sp, Su)[I-FL] |
| EDSP    | 3054   | Understanding and Accommodating Students with Exceptionalities | Prerequisite: admission to Teacher Education program, EIPT 3473 or EDEC 3413, or concurrent enrollment. Introduces pre-service educators to the federally-mandated policies and procedures for educating children and youth with exceptionalities. (F, Sp, Su)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| EDSP    | 3440   | Mentored Research Experience                          | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| EDSP    | 3960   | Honors Reading  | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| EDSP    | 3970   | Honors Seminar  | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| EDSP    | 3980   | Honors Research                                       | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| EDSP    | 3990   | Independent Study                                     | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| EDSP    | 3999   | Upper Division Transfer Credit                        | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| EDSP    | 4013   | Fundamental Academic Instructional Strategies         | Prerequisite: 3054. Instructional strategies and effective techniques for teaching students with mild to moderate disabilities in a variety of general and special education settings. Class objectives target remediation and progression of skills focused around an academic curriculum for students with mild/moderate disabilities. (Sp)   |
| EDSP    | 4023   | Assessment for Eligibility and Program Planning       | Prerequisite: 3054 and 4013; corequisite: 4033. Study of assessment instruments, interpretation and use in eligibility, placement and program planning for individuals with mild to moderate disabilities. Competencies addressed include: response to intervention, pre-referral, student assistance teams, administration of curriculum-based assessment and adaptive behavior scales, interpreting functional assessment results into IEPs and individual case studies. (F)  |
| EDSP    | 4033   | Families and Young Children with Developmental Delays | Prerequisite: 3054, 4013; corequisite: 4023. Providing family directed services; cultural competence; interagency and multidisciplinary collaboration; and research based services in natural settings for children 0-9 years with developmental delays. Students analyze model EIEC programs; developmental domains; federal/state/local policies and procedures family and center-based case studies; systemic transitions; community-based resources; and current research and issues. (F)                                   |
| EDSP    | 4043   | Classroom Management in Special Education             | Prerequisite: 3054 and 4013 and 4023 and 4033; corequisite: 4053 and 4063 and 4072. Philosophical perspectives supported by management strategies based on sound theoretical foundations and best practice. Preservice educators develop a personal plan for creating a well-managed classroom, identifying and documenting behavior concerns and developing intervention plans that remediate difficulties and increase appropriate behavior in general and special education environments. (Sp)                               |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EDSP    | 4053   | Language, Literacy, and Communication Strategies          | Prerequisite: EDSP 3054 and EDSP 4013 and EDSP 4023 and EDSP 4033; corequisite: EDSP 4043 and EDSP 4063 and EDSP 4072. Competencies developed include: understanding language and literacy development; 32 hours tutoring; formal/informal literacy assessments; implementation of guided reading lesson plans; data collection monitoring; phonics/decoding; literal/inferential/prediction comprehension; fluency and written expression; research to practice; development of learning strategies enhancing content and literacy. (Sp)        |
| EDSP    | 4063   | Issues and Strategies in a Functional Curriculum          | Prerequisite: 3054 and 4013 and 4023 and 4033; corequisite: 4043 and 4053 and 4072. Examines how low-incidence disabilities and other moderate to severe disabilities, including intellectual disabilities, autism, physical disabilities, traumatic brain injury, deafness, blindness, multiple disabilities, and other health impairments, affect academic and job performance. Students will learn and demonstrate current methods for teaching individuals with such disabilities. (Sp)  |
| EDSP    | 4072   | Introductory Practicum in Special Education               | Prerequisite: EDSP 3054 and EDSP 4013 and EDSP 4023 and EDSP 4033; corequisite: EDSP 4043 and EDSP 4053 and EDSP 4063. Two hundred hours of special education field placement with supervision by master public school teachers and OU professionals. Weekly seminars based on reflections, discussion of course assignments implemented at school sites, competencies such as IEPS ecological assessments, parent interviews, and development of original lesson plans with articulated accommodations and modification. (F, Sp)                |
| EDSP    | 4083   | Individual Behavior Supports                              | Individual Behavior Supports. Prerequisite: 3054 and 4013 and 4023 and 4033 and 4043 and 4053 and 4063 and 4072. Corequisite: 4093 and 4103 and 4112. Special techniques and materials used in the instruction and behavioral modification of students who have significant behavioral disorders. Content includes proactive classroom strategies, effective instruction, and planned behavior interventions. (F)  |
| EDSP    | 4093   | Transition and Self-Determination                         | Prerequisite: 3054, 4013, 4023, 4033, 4043, 4053, 4063, 4072; corequisite: 4083, 4103, 4112. Transition education practices including assessment, transition planning, and instructional methods to facilitate post-school outcomes for students with disabilities. IDEA laws along with best practice methodology, assessment, transition planning, self-determination instruction, multicultural issues, interagency collaboration, resources, and instruction will be discussed to facilitate a successful transition. (F)                    |
| EDSP    | 4103   | Technology Applications and Universal Design for Learning | Prerequisite: 3054, 4013, 4023, 4033, 4043, 4053, 4063, 4072, EPIT 3043; corequisite: 4083, 4093, 4112. Knowledge, skills, and issues pertaining to the use of computers, technology, and universal design with exceptional individuals. Student's prior knowledge of instructional strategies and principles of learning from general and special education courses are applied in the context of technology applications for persons with disabilities. (F)  |
| EDSP    | 4112   | Advanced Practicum in Special Education                   | Prerequisite: 3054, 4013, 4023, 4033, 4043, 4053, 4063, 4072; corequisite: 4093, 4093, 4103. Two hundred hours of supervised field experience with instruction and behavior management provided to students with disabilities. Weekly seminars focus on self-evaluations and reflections on evidence-based practice, development, and implementation of curriculum unit with modifications and accommodations, and discrepancy analysis of past and current IEPS. (F, Sp)  |
| EDSP    | 4121   | Applied Research in Special Education                     | Prerequisite: EDSP 3054, EDSP 4013, EDSP 4023, EDSP 4033, EDSP 4043, EDSP 4053, EDSP 4063, EDSP 4072, EDSP 4083, EDSP 4093, EDSP 4103, EDSP 4112. Corequisite: EDSP 4144 and EDSP 4134. Designed to enhance understanding of research related to the education of children and youth with disabilities. Students will demonstrate a comprehension of legal and ethical aspects of research in special education. Students will improve their ability to critically review research literature and conduct applied research projects. (F, Sp) [V] |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDSP    | 4134   | Internship in Special Education I - Elementary       | Prerequisite: 3054, 4013, 4023, 4033, 4043, 4053, 4063, 4072, 4083, 4093, 4103, 4112; corequisite: 4121, 4144. The Special Education Internship is designed to allow students to practice teaching under the supervision and guidance of master special educators and University clinical supervisors. Special education interns learn to apply the knowledge and skills they acquired throughout the program coursework and field experiences in an authentic, extended situation. (F, Sp) [V]                      |
| EDSP    | 4144   | Internship in Special Education II - Secondary       | Prerequisites: 3054, 4013, 4023, 4033, 4043, 4053, 4063, 4072, 4083, 4093, 4103, 4112; corequisites: 4121, 4134. The Special Education Internship is designed to allow students to practice teaching under the supervision and guidance of master special educators and University clinical supervisors. Special education interns learn to apply the knowledge and skills they acquired throughout the program coursework and field experiences in an authentic, extended situation. (F, Sp) [V]                    |
| EDSP    | 4960   | Directed Readings in Education                       | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| EDSP    | 4970   | Special Topics/Seminar                               | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EDSP    | 4980   | Practicum in Special Education                       | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)   |
| EDSP    | 4990   | Special Problems in Education                        | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of title and subject. Variable as to subject and credit for areas of specialty and/or interest not otherwise provided in the standard offering of courses. (Irreg.)  |
| EDSP    | 5013   | Special Education Instructional Methods and Programs | Prerequisite: Graduate standing. This course will provide students with an overview of primary instructional methods and explicit instructional programs in English language arts, math, and content areas for learners at-risk for school failure and those with special needs. Information on empirically validated differentiated instruction and effective teaching approaches for children whose needs may not be met with traditional classroom instruction. (Su)  |
| EDSP    | 5063   | Issues and Strategies in a Functional Curriculum     | Prerequisite: graduate standing. Examines how low-incidence disabilities and other moderate to severe disabilities, including intellectual disabilities, autism, physical disabilities, traumatic brain injury, deafness, blindness, multiple disabilities, and other health impairments, affect academic and job performance. Students will learn and demonstrate current methods for teaching individuals with such disabilities. No student may earn credit for both 4063 and 5063. (Sp)                          |
| EDSP    | 5093   | Transition and Self-Determination                    | Prerequisite: graduate standing. Transition education practices including assessment, transition planning, and instructional methods to facilitate post-school outcomes for students with disabilities. IDEA laws along with best practice methodology, assessment, transition planning, self-determination instruction, multicultural issues, interagency collaboration, resources, and instruction will be discussed to facilitate a successful transition. No student may earn credit for both 4093 and 5093. (F) |
| EDSP    | 5143   | Applied Behavior Analysis in School Settings         | Prerequisite: graduate standing. Applied behavior analysis principles and techniques, including observational analysis, data-based instruction, and social validity to increase students' social and task related behavior. Students learn procedures to increase or decrease target behavior, to facilitate behavior maintenance and generalization, and to evaluate effectiveness of instruction. (F)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EDSP    | 5163   | Collaboration, Accommodations, and Modifications      | Prerequisite: graduate standing in the College of Education. Explores development and delivery of effective instructional and supportive strategies through modification and adaptation along with models for improving student performance through collaboration with colleagues, families, related service providers and agencies. Addresses integration into educational settings and communities of individuals with exceptionalities from birth through adulthood. (Sp) |
| EDSP    | 5183   | Advanced Assessment                                   | Prerequisite: EDSP 5173 or equivalent. Focus will be on innovative approaches to assessment and education of students with mild to moderate learning and/or behavior problems. Techniques, methods and materials will be presented within a career/ecological framework and will be research-based. (F)  |
| EDSP    | 5193   | Post-Secondary Education and Employment               | Prerequisite: graduate standing and EDSP 5093. Examines options for students with disabilities in terms of post-secondary education and post-secondary employment. Learning is focused on research-based best practices. (Sp)  |
| EDSP    | 5243   | Applied Behavior Analysis II                          | Prerequisite: EDSP 5143. This course focuses on the basic principles, procedures and underlying philosophy of applied behavior analysis (ABA) (Sp)   |
| EDSP    | 5293   | Transition-Based Assessment                           | Prerequisite: graduate standing and EDSP 5093. Presents the three-part transition assessment model and the means to enable students to answer long and short term questions to assist in developing good annual transition goals. (F)  |
| EDSP    | 5343   | Applied Behavior Analysis III                         | Prerequisite: EDSP 5143 & EDSP 5243. This course focuses on the identification of factors that contribute to behavioral challenges and improved performance; and on procedures that minimize behavioral challenges, improve performance, teach new behaviors and increase probability of behaviors occurring under appropriate circumstances. (F)  |
| EDSP    | 5393   | Practicum in Transition Education                     | Prerequisite: graduate standing, and EDSP 5093, and EDSP 5193, and EDSP 5293. Transition practicum is designed to work in conjunction with the transition education course sequence to solidify knowledge and skills in transition education. Students will complete 200 contact hours of practicum. (Sp)  |
| EDSP    | 5403   | Families and Young Children with Developmental Delays | Prerequisite: graduate standing in the College of Education. Providing family-directed services, cultural competence, interagency and multidisciplinary collaboration, and research-based services in natural settings for children 0-9 years with developmental delays. Students analyze model EIEC programs, developmental domains, federal/state/local policies and procedures, family and center-based resources, and current research and issues. (F)                   |
| EDSP    | 5413   | Theories in the Education of Exceptional Children     | Prerequisite: admission to a graduate program in College of Education or permission of instructor. Corequisite: student must be concurrently enrolled in zero credit discussion/lab. Introduces pre-service educators to the federally-mandated policies and procedures for educating children and youth with exceptionalities. (F, Sp, Su)  |
| EDSP    | 5443   | Ethical & Professional Conduct of Behavior Analysts   | Prerequisite: EDSP 5143. This course will familiarize the student with ethical issues and responsibilities of special educators and behavior analysts. Informed consent, due process, protection of confidentiality, and selection of least intrusive and restrictive behavior change procedures will be discussed within the context of case method. Ethical decision-making processes and the relationship between ethics and law will be discussed. (Su)                  |
| EDSP    | 5910   | Practicum in Education--Master's                      | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EDSP    | 5920   | Internship in Education--Master's                                 | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EDSP    | 5940   | Field Studies in Education  | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.) |
| EDSP    | 5960   | Directed Readings   | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)   |
| EDSP    | 5970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDSP    | 5972   | Pre-Master's Seminar  | Prerequisite: 12 hours of education, graduate standing, permission of instructor. May be repeated; maximum credit four hours. Enrollment limited to students who are in early post-baccalaureate curricula. (Irreg.)   |
| EDSP    | 5980   | Research for Master's Thesis                                      | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| EDSP    | 5983   | Directed Project in Special Education                             | Prerequisite: graduate standing and permission of instructor. Under the direct supervision of the student's adviser, the student conducts an applied project on a topic or challenge in special education related to the student's interest. (F, Sp, Su)   |
| EDSP    | 5990   | Independent Study   | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| EDSP    | 5999   | Graduate Level Transfer Credit                                    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| EDSP    | 6003   | Developing Critical Thinking Skills in Special Education Research | Prerequisite: graduate standing. Examines self-determination assessment, instruction, and infusion into secondary IEPs as a method to improve post-school outcomes for students with disabilities and those at high risk of school failure. Implementation issues and effective practice will be examined in light of efficacy research. (Irreg.)  |
| EDSP    | 6023   | Single-Case Research Design                                       | Prerequisite: graduate standing in College of Education. Examines development and implementation of single-case research designs, APA writing style for publication, and single-case data and visual analysis. Students will read both primary and secondary literature to support ideas discussed in class, provide reviews/critiques of single-case research studies, and design own original single-case research study. (Irreg.)   |
| EDSP    | 6033   | Effective Transition, Instruction, & Research                     | Prerequisite: graduate standing. Examines transition assessment, instruction, and infusion into secondary IEPs as a method to improve post-school outcomes for students with disabilities and those at high risk of school failure. Implementation issues and effective practice will be examined in light of efficacy research. (Irreg.)  |
| EDSP    | 6113   | Grant Writing   | Prerequisites: Admission to the Graduate College and the Special Education doctoral program D855. This core course in the special education doctoral sequence will prepare students to write competitive funding proposals and will provide opportunities to prepare funding proposals. Focus will be upon federal personnel preparation, demonstration proposal preparation and grant administration for funded proposals. (Sp)   |



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| Subject | Number | Title                              | Course Description   |
|---------|--------|------------------------------------|--|
| EDSP    | 6123   | Contemporary Issues/Research       | Prerequisite: 5173, graduate standing, and permission of instructor. Examines critical issues influencing the field of special education and services for persons with disabilities. (Sp)  |
| EDSP    | 6203   | Professional Seminar 1             | Prerequisite: graduate standing or permission of instructor. Designed for post-master's student who has been accepted into the Ph.D. program. Covers review and synthesis of a current research area, professional writing and dissemination. (F)  |
| EDSP    | 6902   | Pre-Doctoral Seminar               | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)   |
| EDSP    | 6910   | Practicum in Education--Doctoral   | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)   |
| EDSP    | 6920   | Internship in Education--Doctoral  | 1 to 6 hours. Prerequisite: must be a student in the Special Education Ph.D. program. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.) |
| EDSP    | 6930   | Intensive Studies in Education     | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)  |
| EDSP    | 6960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| EDSP    | 6970   | Post-Master's Seminar              | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)   |
| EDSP    | 6980   | Research for Doctoral Dissertation | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)  |
| EDSP    | 6990   | Individual Study in Education      | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)  |
| EDSS    | 1999   | Lower Division Transfer Credit     | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| EDSS    | 2960   | Individual Study                   | 1 to 4 hours. Prerequisite: good standing in University; fewer than 62 total hours; approval of instructor and dean. May be repeated; maximum credit four hours. Designed to provide an introduction to the study of education through a rigorous program of readings under the direction of a member of the faculty. (Irreg.)   |
| EDSS    | 3440   | Mentored Research Experience       | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)        |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| EDSS    | 3553   | Foundations to Social Studies Education              | Prerequisite: admission to Teacher Education program. Designed as a way to view social studies as an integrated body of knowledge while focusing on the various subject matter areas. (F, Sp)   |
| EDSS    | 3960   | Honors Reading                                       | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| EDSS    | 3970   | Honors Seminar                                       | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| EDSS    | 3980   | Honors Research (HONORS)                             | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| EDSS    | 3990   | Independent Study                                    | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| EDSS    | 3999   | Upper Division Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| EDSS    | 4323   | Teaching Social Studies in Elementary/Middle Schools | Prerequisite: admission to Teacher Education program, EDEL 4101; corequisite: EDLT 4813, EDMA 4353, EDSC 4193, EDEL 4980. Promotes knowledge, skills, attitudes, and actions required for effective planning, implementation, and evaluation of social studies curriculum and instruction in elementary and middle schools. (F, Sp)   |
| EDSS    | 4553   | Foundations and Mentoring in Social Studies          | Prerequisite: Full admission to the secondary social studies education program. Provides an opportunity to explore the main themes of the social sciences with limited teaching opportunities. (Sp)   |
| EDSS    | 4563   | Teaching Secondary School Social Studies             | Prerequisite: EDSS 4553. Curriculum and instructional strategies for teaching secondary school social studies with a focus on (a) appropriate methodologies, and (b) matching these methods to content and learners. The students will study a variety of classroom techniques and the assessment of such techniques for social studies teaching. (F) [V]   |
| EDSS    | 4960   | Directed Readings in Education                       | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| EDSS    | 4970   | Special Topics/Seminar                               | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDSS    | 4980   | Practicum in Education                               | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)  |
| EDSS    | 4990   | Special Problems in Education                        | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of title and subject. Variable as to subject and credit for areas of specialty and/or interest not otherwise provided in the standard offering of courses. (Irreg.)   |
| EDSS    | 5043   | Analysis of Teaching and Learning                    | Prerequisite: graduate standing; Corequisite: Must be enrolled in EDUC 5920, Internship. An understanding of how to analyze teaching and learning using a variety of reflective techniques including journals, oral inquiries, classroom/school studies, and theoretical analysis. (F, Sp)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EDSS    | 5313   | Research in Social Studies  | Prerequisite: admission to Teacher Education program. Pre-service teachers and teacher practitioners will be given the opportunity to participate and/or conduct a major investigation into the problems, techniques, history, philosophy and other special issues of social studies. (Irreg.)   |
| EDSS    | 5323   | Microteaching Practicum in Social Studies                         | Prerequisite: 5313. Pre-service teachers and teacher practitioners will be given the opportunity to strengthen their classroom techniques through the use of micro-teaching media (videotaped, reviewed, assessed presentations).  |
| EDSS    | 5333   | Seminar in Social Studies   | Prerequisite: graduate standing. May be repeated; maximum credit 9 hours. Attend to special issues in social studies theory and practice. Focus on social studies/citizenship educational problems and possibilities in schools and society. (Irreg.)  |
| EDSS    | 5343   | Global Education  | Prerequisite: Graduate standing. Explores critical issues in global education across subject areas and teaching concepts. Implications for citizenship education are examined in depth. (Irreg.)   |
| EDSS    | 5503   | Social Studies Curriculum, Instruction, Technology and Assessment | Prerequisite: Graduate standing. Analysis of K-12 social studies curriculum, instruction, technology and assessment to achieve knowledge, skills, valuing, and action capabilities in the social studies curriculum. (Irreg.)  |
| EDSS    | 5910   | Practicum in Education--Master's                                  | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)  |
| EDSS    | 5920   | Internship in Education--Master's                                 | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EDSS    | 5940   | Field Studies in Education  | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.) |
| EDSS    | 5960   | Directed Readings   | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)   |
| EDSS    | 5970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDSS    | 5972   | Pre-Master's Seminar  | Prerequisite: 12 hours of education, graduate standing, permission of instructor. May be repeated; maximum credit four hours. Enrollment limited to students who are in early post-baccalaureate curricula. (Irreg.)   |
| EDSS    | 5980   | Research for Master's Thesis                                      | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| EDSS    | 5990   | Independent Study   | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| EDSS    | 5999   | Graduate Level Transfer Credit                                    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                              | Course Description  |
|---------|--------|------------------------------------|---|
| EDSS    | 6902   | Pre-Doctoral Seminar               | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)  |
| EDSS    | 6910   | Practicum in Education--Doctoral   | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)  |
| EDSS    | 6920   | Internship in Education--Doctoral  | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)              |
| EDSS    | 6930   | Intensive Studies in Education     | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)                                   |
| EDSS    | 6960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| EDSS    | 6970   | Post-Master's Seminar              | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)  |
| EDSS    | 6980   | Research for Doctoral Dissertation | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)   |
| EDSS    | 6990   | Individual Study in Education      | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)   |
| EDUC    | 1999   |                                    | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| EDUC    | 2400   | Field Experiences in Education     | (Also listed under Professional Studies in Education.) 1 to 3 hours. Introduction to education as a profession based upon assignment to public schools and other educational agencies. Students will be expected to observe the schools in action, interact with students and professionals and participate in the instructional process. (F, Sp, Su)   |
| EDUC    | 2960   | Individual Study                   | 1 to 4 hours. Prerequisite: good standing in University; fewer than 62 total hours; approval of instructor and dean. May be repeated; maximum credit four hours. Designed to provide an introduction to the study of education through a rigorous program of readings under the direction of a member of the faculty.   |
| EDUC    | 2970   | Special Topics/Seminar             | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |
| EDUC    | 3440   | Mentored Research Experience       | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EDUC    | 3960   | Honors Reading                                | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.)  |
| EDUC    | 3970   | Honors Seminar                                | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)   |
| EDUC    | 3980   | Honors Research                               | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)  |
| EDUC    | 3990   | Independent Study                             | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)   |
| EDUC    | 3999   | Upper Division Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| EDUC    | 4013   | History, Culture and Education in Costa Rica  | Prerequisite: approval for study abroad; permission of instructor or department. May be repeated; maximum credit 6 hours. This field-based course will concentrate on the history, culture and customs of the host country: Costa Rica. Course content will be directed toward cultural analysis of the host country with special focus on the exploration of the students' multicultural consciousness. (Su)  |
| EDUC    | 4050   | Teaching Experiences in the Elementary School | 4 to 10 hours. Prerequisite: EDMA 4353, EDLT 4713, EDSC 4193, EDSS 4323, EDUC 4980. Corequisite: EDEL 4063. Enrollment requires a signed recommendation form by the student's counselor. Laboratory activities under competent direction and supervision: orientation, observation, and classroom teaching experiences supported by seminars and conferences which focus upon the problems of teaching. Prospective teachers receive instruction, aid, and constructive supervision in classroom management, evaluation of pupil behavior, methods of teaching, selection of teaching materials and school-home-community relations. (F, Sp) |
| EDUC    | 4060   | Teaching Experiences in the Secondary School  | 4 to 10 hours. Prerequisite: permission of College of Education Undergraduate Academic Advising Office. Enrollment for fewer than eight hours requires special recommendation by the student's counselor. Correlation of theory and instructional practices in secondary education; supervised observation, teaching, classroom management, and evaluation; acquaintance with the administration of a school and the school program; selection and use of appropriate instructional materials; conferences with supervisors; seminar on problems of teaching; methodology, professional problems, and placement. (F, Sp)                     |
| EDUC    | 4960   | Directed Readings in Education                | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| EDUC    | 4970   | Special Topics/Seminar                        | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EDUC    | 4980   | Practicum in Education                        | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| EDUC    | 4990   | Special Problems in Education                    | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of title and subject. Variable as to subject and credit for areas of specialty and/or interest not otherwise provided in the standard offering of courses. (Irreg.)  |
| EDUC    | 5106   | Culture and Communication Techniques for ESL/ELL | Prerequisite: 12 hours of Education and admission to Graduate Certificate program. Provides educators tools to work with ESL/ELL learners, addresses issues particular to culturally diverse students, schools, and community. Provides opportunities to compare cultural differences between U.S. and non-U.S. schools. Introduces communication techniques focusing on: school content, conversation in the target language, practical vocabulary, on-the-job situations and cultural information. (Sp)        |
| EDUC    | 5114   | Immersion in Language, Culture and Pedagogy      | Prerequisite: 5106 and graduate standing. Collaboratively-developed summer immersion program in education takes place in Mexico. Combines classroom instruction and cultural experiences to provide educators opportunities for authentic language use and insights into Hispanic students' cultural backgrounds. Understanding different cultures equips educators to organize classrooms and programs to help students learn, communicate, and engage. (Su)  |
| EDUC    | 5126   | Application and Pedagogy                         | Prerequisite: 5106, 5114, and graduate standing. Course focuses on developing, enhancing and improving instructional expertise and culturally-relevant knowledge of practicing educators and administrators who work with ELS/ELL students. With faculty support, teachers will engage in action research that utilizes language and cultural understanding to directly address needs of ESL/ELL students in their classrooms and schools. (F)   |
| EDUC    | 5910   | Practicum in Education--Master's                 | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)  |
| EDUC    | 5920   | Internship in Education--Master's                | 1 to 6 hours. Prerequisite: permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| EDUC    | 5940   | Field Studies in Education                       | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.) |
| EDUC    | 5960   | Directed Readings                                | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)   |
| EDUC    | 5970   | Special Topics/Seminar                           | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EDUC    | 5972   | Pre-Master's Seminar                             | Prerequisite: 12 hours of education, graduate standing, permission of instructor. May be repeated; maximum credit four hours. Enrollment limited to students who are in early post-baccalaureate curricula. (Irreg.)   |
| EDUC    | 5980   | Research for Master's Thesis                     | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |

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| Subject | Number | Title                                  | Course Description   |
|---------|--------|--|--|
| EDUC    | 5990   | Independent Study                      | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| EDUC    | 5999   | Graduate Level Transfer Credit         | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| EDUC    | 6910   | Practicum in Education--Doctoral       | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)                                     |
| EDUC    | 6920   | Internship in Education--Doctoral      | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.) |
| EDUC    | 6930   | Intensive Studies in Education         | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)                      |
| EDUC    | 6960   | Directed Readings                      | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| EDUC    | 6970   | Post-Master's Seminar                  | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)   |
| EDUC    | 6980   | Research for Doctoral Dissertation     | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)  |
| EDUC    | 6990   | Individual Study in Education          | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)  |
| EIPT    | 1999   |  | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| EIPT    | 2960   | Individual Study                       | 1 to 4 hours. Prerequisite: good standing in University; fewer than 62 total hours; approval of instructor and dean. May be repeated; maximum credit four hours. Designed to provide an introduction to the study of education through a rigorous program of readings under the direction of a member of the faculty. (Irreg.)   |
| EIPT    | 3011   | Productivity Tools for Education       | Operation in both Mac and Windows environments. Use of word processing, database, spreadsheet, and telecommunications software to solve educational information communication and management problems. Laboratory (F, Sp, Su)  |
| EIPT    | 3043   | Learning with Educational Technologies | Prerequisite: EIPT 3473 or EDEC 3413; EDSP 3054 or concurrent enrollment. Designed to familiarize students with alternative instructional approaches using both cognitive and hardware technologies. Development of practical skills for using technology to solve instructional problems and accomplish educational goals. (F, Sp, Su)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| EIPT    | 3440   | Mentored Research Experience                       | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| EIPT    | 3473   | Learning, Development, and Assessment for Teachers | Prerequisite: Admission to Teacher Education program. Classroom implications from the study of cognition, learning, and development are presented. Topics include various perspectives on human development and learning, factors influencing individual variations in cognition, and an introduction to the assessment of educational outcomes. (F, Sp, Su)  |
| EIPT    | 3483   | Motivation and Classroom Management for Teachers   | Prerequisite: EIPT 3473 or EDEC 3413; Admission to Teacher Education program. Classroom implications from the study of motivation and classroom management are presented. Topics include various perspectives on motivation processes in achievement settings and holistic approaches to classroom management. (F, Sp)  |
| EIPT    | 3960   | Honors Reading                                     | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| EIPT    | 3970   | Honors Seminar                                     | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| EIPT    | 3980   | Honors Research                                    | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| EIPT    | 3990   | Independent Study                                  | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| EIPT    | 3999   | Upper Division Transfer Credit                     | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| EIPT    | 4960   | Directed Readings in Education                     | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| EIPT    | 4970   | Special Topics/Seminar                             | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EIPT    | 4980   | Practicum in Education                             | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)  |
| EIPT    | 4990   | Special Problems in Education                      | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of title and subject. Variable as to subject and credit for areas of specialty and/or interest not otherwise provided in the standard offering of courses. (Irreg.)   |



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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EIPT    | 5023   | Analysis of Quantitative Data I                       | Prerequisite: graduate standing in the College of Education, or permission of instructor. A brief review of descriptive statistics, introduction to basic inferential statistics, and analysis of variance. Topics covered include data screening and cleaning, correlation, simple regression, oneway ANOVA, factorial ANOVA, analysis of covariance, repeated-measures designs, and nonparametric techniques. Focus is on computer-based data analysis, and substantive conceptualization and interpretation of results. (F, Su) |
| EIPT    | 5033   | Introduction to Research and Evaluation in Education  | Prerequisite: graduate standing. An introduction to major methods of scholarship and research in education. The main goal of the class is to help students develop the knowledge and skills required for critical reading of research. (F, Su-Irreg.)  |
| EIPT    | 5113   | Educational Psychology of Human Development           | Prerequisite: graduate standing. An introductory survey of current theory and research as it applies to human development across the lifespan. Emphases include cognitive and language development, self and social development, and contextual influences on development. (Sp)  |
| EIPT    | 5163   | Educational Psychology of Childhood                   | Prerequisite: graduate standing. A survey of child physical, cognitive, social, and personality development emphasizing current theory and research. Families, peer groups, and societies as contexts for development are also examined. (F)   |
| EIPT    | 5173   | Educational Psychology of Adolescence                 | Prerequisite: graduate standing. A survey of adolescent physical, cognitive, social, and personality development emphasizing current theory and research. Families, peer groups, and societies as contexts for development are also examined. (F)  |
| EIPT    | 5183   | Motivation and Learning in the Classroom              | Prerequisite: graduate standing. Introductory course covering contemporary theories of cognition, learning, and motivation as they apply to the classroom. (Irreg.)  |
| EIPT    | 5203   | Assessment and Evaluation in Education and Counseling | Prerequisite: graduate standing. An introduction to basic concepts of assessment, measurement, and evaluation in education and counseling with a focus on the study of assessment concepts and instruments, procedures, methods, and techniques that may be used to assess knowledge, strengths, limitations, and behaviors. Students will study basic principles of measurement and statistics. Scaling metrics, reliability, and validity are emphasized. (F, Sp, Su)  |
| EIPT    | 5513   | Teaching with Technology                              | Prerequisite: graduate standing. Students will explore current technologies used in schools to assist learners of varying abilities succeed in educational settings. Relevant learning theory will be used to evaluate the ways in which technologies are being used with students. This course will assist students in meeting the ISTE National Educational Technology Standards for Teachers (NETS-T). (F)  |
| EIPT    | 5523   | Technology Advocacy in Schools                        | Prerequisite: graduate standing. Students explore state and federal laws and local policies influencing how schools obtain and use technology, and receive practical experience in grant development and needs analysis. (Sp)  |
| EIPT    | 5533   | Introduction to Instructional Technology              | (Crosslisted with LIS 5533) Prerequisite: graduate standing or permission of instructor. Examination of theoretical and critical issues regarding educational technologies. Practical application and development of skills utilizing technology tools. (F)  |
| EIPT    | 5601   | Orientation and Introduction to 21st Century Learning | Prerequisite: graduate standing and departmental permission. In this course students will be oriented to the online masters program and begin to explore the concept of 21st century learning. They will delve into the literature related to the framework and apply it to their teaching and learning contexts. (Sp)   |
| EIPT    | 5613   | Classroom Management in the 21st Century              | Prerequisite: graduate standing and departmental permission. Classroom management is one of the most important skills for the success of a teacher. It is based on a keen understanding of fundamental educational psychology concepts including motivation theory, child/teen development, and human learning. This course will guide students in the exploration of these topics. (Sp)   |
| EIPT    | 5623   | Research into Practice                                | Prerequisite: graduate standing and departmental permission. This course focuses on how teachers, administrators, and future scholars can integrate research into their practice. This course will be project based and students will design venues (blogs, websites, Facebook pages, coffee house discussions) for other educators to discover beneficial research. (Sp)  |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| EIPT    | 5631   | Open Educational Resources for Teaching    | Prerequisite: graduate standing and departmental permission. Introduction to the theory and application of Open Educational Resources (OER) for teaching practices. This course will address the concept of OERs and open licensing, including the history of the OER movement, Creative Commons licensing, public domain, and copyright, as well as provide practical experience in finding, creating, sharing, and attributing open content. (Su)   |
| EIPT    | 5643   | Motivated Change                           | Prerequisite: graduate standing and departmental permission. Change is an essential aspect of education. In this course we will discuss many types of motivated change that can occur in the classroom as well as interventions for generating change. Types of change that we will discuss include: conceptual change, attitude change, emotion change, motivational change (attributions, goals, and mindsets), and transformational learning. (Su)   |
| EIPT    | 5653   | Technology and Social Media in Education   | Prerequisite: graduate standing and departmental permission. Technology and Social Media in Education is a class that serves two purposes. In this course you will learn how to critique, use and create materials using different technologies. It also helps to make you aware of the effect of social media on schooling and how you can harness it to promote learning and community connections. (Su)  |
| EIPT    | 5663   | Assessment in the 21st Century             | Prerequisite: graduate standing and departmental permission. When teachers use instructional methods including problem-based learning, project-based learning, and group projects, assessment often becomes a challenge. This challenge is heightened by governmental regulations mandating high-stakes testing. In this course, students will examine a history of the standards movement and associated testing requirements, purposes for assessment, and ways to assess students when using modern instructional techniques that will also effectively prepare students for high-stakes testing situations. Students will gain experience designing these types of assessments. (F) |
| EIPT    | 5671   | Reflection for the 21st Century            | Prerequisite: graduate standing and departmental permission. An important part of being an effective teacher is being a reflective practitioner. In this course students will reflect on their learning in the program and the application of 21st Century learning principles to teaching and learning. Students will begin to organize a reflective portfolio of their work. (F)  |
| EIPT    | 5683   | Technology-Enhanced Problem-Based Learning | Prerequisite: graduate standing and departmental permission. The goal of this course is two-fold: (1) to develop collaborative problem-solving skills through problem-based or project-based learning using advanced learning technologies as tools; and (2) to design a collaborative problem-based /project-based learning environment supported with advanced learning technologies. Students in the course will learn important 21st century skills, including critical thinking, problem solving, communication, collaboration, self-regulation, and use of information and communication technology to support collaborative problem solving. (Sp)                                |
| EIPT    | 5693   | Critical Literacy                          | Prerequisite: graduate standing and departmental permission. The impact and pervasiveness of media in its many forms - both in and out of formal education settings -requires development of critical awareness, discernment, and engagement by educators. This course explores the intersections of (a) media and its influences; (b) social and cross-cultural skills and perspectives; and (c) personal and pedagogical (and andragogical) responsibility. (Sp)  |
| EIPT    | 5703   | Building Capacity for STEM                 | Prerequisite: graduate standing and departmental permission. Science Technology Engineering and Math is an area of great need of development in the United States and the world. In this course students will explore the current status of STEM education and the STEM pipeline, the need for STEM development and current barriers that exist in education for all students from a variety of backgrounds that wish to pursue STEM careers. (Su)  |

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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| EIPT    | 5712   | School and Community Relations        | Prerequisite: graduate standing and departmental permission. The course is organized around concerns that are central to the development of a thoughtful and pragmatic community relations policy for the 21st century. Particular foci include: a) public confidence in American schools; b) leadership, development, and key mediation of school mission and capacity; c) communication with external and internal publics; d) collaboration with multiple stakeholders e) understanding the challenge and impact of high quality community relations. (Su) |
| EIPT    | 5910   | Practicum in Education--Master's      | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)   |
| EIPT    | 5920   | Internship in Education--Master's     | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)   |
| EIPT    | 5940   | Field Studies in Education            | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education selected by the students and approved by the instructor. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.)                           |
| EIPT    | 5960   | Directed Readings                     | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)  |
| EIPT    | 5970   | Special Topics/Seminar                | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EIPT    | 5972   | Pre-Master's Seminar                  | Prerequisite: 12 hours of education, graduate standing, permission of instructor. May be repeated; maximum credit four hours. Enrollment limited to students who are in early post-baccalaureate curricula. (Irreg.)  |
| EIPT    | 5973   | Classroom Research and Implementation | Prerequisite: 5033, 5513, 5203. Students develop and implement an action research project to explore the impact of a technological tool on learning in a classroom. (Sp)  |
| EIPT    | 5980   | Research for Master's Thesis          | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| EIPT    | 5990   | Independent Study                     | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| EIPT    | 5999   | Graduate Level Transfer Credit        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| EIPT    | 6023   | Analysis of Quantitative Data II      | Prerequisite: 5023. A continuation of 5023. Topics include power analysis, multiple linear regression, analysis of variance models, and an introduction to non-parametric statistics. (Sp)  |
| EIPT    | 6043   | Qualitative Research Methods          | Prerequisite: EIPT 5033 or permission of instructor. Topics include qualitative research traditions, qualitative designs, data collection techniques, qualitative data analysis. Students design, conduct, and analyze their own qualitative study during the course. (F, Sp - even years)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EIPT    | 6063   | Applied Multivariate Statistics in Educational Research | Prerequisite: 5023 and 6023, or equivalent. Covers selected multivariate techniques with an emphasis on detecting and correcting violations of assumptions, applications, and interpreting results from popular computer statistics packages. (Sp)   |
| EIPT    | 6073   | Program Evaluation                                      | Prerequisite: graduate standing. This course is designed to develop understanding and experience in systematically evaluating outcomes related to program goals and standards. Topics will include: purposes and uses of evaluation, role of concepts and constructs, planning, standard setting, selecting methods, developing measures, analyzing and interpreting outcomes, reporting findings, ethics and organization, and utilization. Prior coursework recommended: at least one prior course in research design or methods and one prior course in measurement or assessment. (F)      |
| EIPT    | 6083   | Qualitative Research Methods II                         | Prerequisite: EIPT 6043 or permission of instructor. Topics include qualitative research design, data analysis, data interpretation, theory building, and write-up. Students should have qualitative data ready to analyze before enrolling in the course. (Sp)  |
| EIPT    | 6101   | Propaedeutic Seminar                                    | Prerequisite: admission to Instructional Psychology and Technology doctoral program. Summarizes the history of the field of instructional psychology and technology and introduce research typical of field and specific to interests of program faculty. Also discusses expectations for scholarship in the program and field and how students meet those expectations. (F)   |
| EIPT    | 6143   | Instructional Development                               | Prerequisite: graduate standing. This course is designed to develop understanding and experience in systematically designing and developing instruction and instructional systems. Topics will include: task, context, and learner analysis, assessment design, principles of educational psychology, instructional design principles and strategies, development and production techniques, formative and summative evaluation methods, and flexibly adaptive approaches to implementation. (F)   |
| EIPT    | 6153   | Motivation and Emotion in Education                     | Prerequisite: graduate standing or permission of instructor. Survey and analysis of historically significant and current theories of motivation and emotion. This course examines basic and applied issues related to motivation and emotion from a general perspective as well as motivation to learn. (F)  |
| EIPT    | 6163   | Instructional Design                                    | Prerequisite: 6143. This course is designed to develop understanding and experience in systematically designing instruction, building on the principles, processes and skills of EIPT 6143. Topics will include: strategies of instruction for specific learning outcomes, formative and summative evaluation, learning assessment design, designing jobs aids and performance support systems, rapid application development and knowledge management. (Sp)   |
| EIPT    | 6173   | Management of Instructional Technology Programs         | Prerequisite: graduate standing. This course is designed to introduce the core principles of project management, and then develop understanding of how those principles and practices are subject to adaptation. topics include: defining the field, contexts and influences, strategic analysis, managing risk, managing people, managing time, managing budget and other resources, managing evaluation, problem-solving, and project reporting. (F)   |
| EIPT    | 6183   | Cognition and Instruction                               | Prerequisite: graduate standing. Examines the contributions of cognitive psychology to issues of instruction. Surveys basic issues in cognition and examines applied issues in greater depth. (Sp)   |
| EIPT    | 6203   | Instrument Development                                  | Prerequisite: 5203 or permission of instructor. Students in this course will have the opportunity to design items for assessments, collect data, and develop them into items that will produce reliable and valid scores. Measures and procedures in affective (e.g., Likert-type, semantic differential) and cognitive (e.g., true/false, multiple choice) instrument development will be covered. Topics including scaling techniques, methods of obtaining score reliability, use of human participants, manuscript preparation, and current methodological advances will be discussed. (F) |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EIPT    | 6213   | Advanced Measurement Theories                         | Prerequisite: 5203 or permission of instructor. This is a course on advanced measurement techniques for instructional designers, evaluators, and educational researchers. This course is designed to develop students' understanding of the reliability and validity of scores. Topics in this course will include classical test theory, generalizability theory, and item response theory, as well as classical and more modern interpretations of the validity of test scores. Application for educational use will be emphasized. (Sp)   |
| EIPT    | 6223   | Mixed-Methods Research                                | Prerequisite: EIPT 5023 and EIPT 6043, or equivalent courses approved by instructor. Topics include history, assumptions, and benefits of mixed-methods research along with practical implications such as design, implementation, and write-up of mixed-methods research. Students will design and write their own mixed-methods study during the course. (Sp)  |
| EIPT    | 6303   | Needs and Task Analysis                               | Prerequisite: 6143. Designed to extend students' understanding and experience in systematically analyzing needs and task components, for application to the fields of instructional design and performance improvement. Topics will include: methods of analyzing task and needs across contexts, strategies for extracting data on task and needs analysis needs relevant to job type and instructional goals, aligning assessment with analysis results, designing job aids and performance support systems based on needs and task characteristics, and flexibly adaptive approaches to analysis. Builds on previous course content, supporting skill in discrete instructional and systems approaches to design, and integrates more deeply the specific skills of needs and task analysis. (Sp) |
| EIPT    | 6313   | Multimedia Design and Development for Learning        | Prerequisite: graduate standing. Students will go through multiple phases of instructional design to develop computer-based, interactive programs while developing their multimedia authoring skills. They will gain hands-on multimedia design experience by working on a real-world instructional project using advanced technologies. (F)   |
| EIPT    | 6333   | Computers as Cognitive Tools: Theory and Practice     | Prerequisite: 6313 or 6343 or 6533 or an equivalent approved by instructor. From cognitive socio-cultural and historical perspectives, students will explore and critique in a sequential timeline a wide range of topics on computers as cognitive tools, trace the evolution of the role of technology in education, and design an interactive learning/knowledge management system for various settings. Students interested in designing learning technologies are encouraged to take this course. (Sp)  |
| EIPT    | 6343   | Instructional Design Theories, Models, and Strategies | Prerequisite: 6313 or 6143 or an equivalent approved by instructor. Examines cognitive and theoretical foundations underlying various instructional design theories and models for designing and developing effective learning environments to support various types of learning outcomes. Multimedia methods of interactive design will also be examined and applied through working on real-world projects. (Sp)   |
| EIPT    | 6423   | Web-Based Instruction                                 | Prerequisite: 5533, 6143. Designed to prepare students with knowledge, skills, and tools in the areas of web-based and web-supported instruction. Provides learners with both theoretical understanding of and practical skills for using the Internet in instructional settings. (Sp)   |
| EIPT    | 6433   | Theories, Pedagogy, and Tools for Online Learning     | Prerequisite; graduate standing. Focuses on theoretical understandings of building virtual learning communities; pedagogies for engaging learners in social, cognitive and reflective processes; and advanced technologies for mediating learning and enhancing online collaboration. (Sp)   |
| EIPT    | 6503   | Design of Text-Based Instruction                      | Prerequisite: graduate standing. Development of prose, text-based instruction, including considerations of readability, organization, layout, and typography for instructional purposes. Effective use of graphics in instruction. Production of print-based instruction, including desktop publishing. (F)  |
| EIPT    | 6523   | Visual Literacy for Educational Media Production      | Prerequisite: EIPT 5533 or permission of instructor. For teachers and instructional technology professionals to increase knowledge and skills in producing instructional materials for a variety of media. Topics include visual communication, and the development and manipulation of graphics, sound, animation, and video. (Sp)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EIPT    | 6533   | Designing and Developing Open-Ended Learning Environments | Prerequisite: 6143 or 6313 or 6343 or an equivalent approved by instructor. Surveys theoretical foundations and key principles of open-ended learning environments. Various constructivist learning methods, models, or strategies will be discussed and integrated into various projects (classroom based or computer based) aiming at developing constructivist learning environments and creating cognitive tools to facilitate meaning making and knowledge construction. (Sp) |
| EIPT    | 6613   | Research Issues in Instructional Technology               | Prerequisite: doctoral standing. May be repeated with change of content; maximum credit 12 hours. Examine specified research issues in the field of Instructional Technology. Students will read and critique existing research, as well as identify directions for new and continuing research. (Irreg.)  |
| EIPT    | 6713   | Research Issues in Instructional Psychology               | Prerequisite: doctoral standing. May be repeated with change of content; maximum credit of 12 hours. Examine specified research issues in the field of instructional psychology. Students will read and critique existing research, as well as identify directions for new and continuing research. (Irreg.)   |
| EIPT    | 6902   | Pre-Doctoral Seminar                                      | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)   |
| EIPT    | 6910   | Practicum in Education--Doctoral                          | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)   |
| EIPT    | 6920   | Internship in Education--Doctoral                         | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)                   |
| EIPT    | 6930   | Intensive Studies in Education                            | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)  |
| EIPT    | 6960   | Directed Readings   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| EIPT    | 6980   | Research for Doctoral Dissertation                        | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)  |
| EIPT    | 6990   | Individual Study in Education                             | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)  |
| EMBA    | 5001   | Global Perspectives in Energy                             | Prerequisite: graduate standing, EMBA students only. An introduction to the global energy industry and the value chain for crude oil, natural gas and natural gas liquids. History and current issues faced globally. Provides a broad look at economic and energy fundamentals of world energy supply and demand, including existing and emerging strategies for downstream industries and the impact of disruptive forces on the energy industry. (Irreg.)                       |

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| Subject | Number | Title                            | Course Description   |
|---------|--------|----------------------------------|--|
| EMBA    | 5012   | Energy Policy and Regulations    | Prerequisites: graduate standing, EMBA students only. Examines global energy policy and regulatory development emphasizing: resource access, business-government relations, environmental protection, social responsibility, and sustainability. Topics explored from the perspectives of government, business, citizens and civil society stakeholder groups, emphasizing unique positions of various major energy-producing regions worldwide. (Irreg.)  |
| EMBA    | 5022   | Accounting I                     | Prerequisites: graduate standing, EMBA students only. This course use concepts from financial accounting and managerial accounting and apply them to specific reporting issues in the energy industry as well as presentation of the information on the financial statements of an oil and gas company. Reviews the accounting cycle with an emphasis on the proper accounting treatment of energy related activities actions (e.g., acquisition of mineral interests, geological and geophysical costs). (Irreg.)   |
| EMBA    | 5031   | Organizational Behavior          | Prerequisites: graduate standing, EMBA students only. For students responsible for leading and managing HR in the energy industry and seeks to increase students' understanding of individual behavior in organizations. Explores theories and concepts of organizational behavior to address managerial problems. Topics include: management challenges; the use of evidence-based management; managing diversity; motivating, evaluating, and rewarding employees; and creating a positive work environment and achieving personal well-being. (Irreg.)  |
| EMBA    | 5042   | Energy Economics                 | Prerequisite: graduate standing, EMBA students only. Economic concepts and analysis as used in managerial decision-making in energy companies with emphasis on demand, supply, market equilibrium, elasticity, perfect competition, external effects and public goods, market power and monopoly, natural monopolies, dominance and economic regulation, mergers, cartels, collusion and antitrust, oligopolistic models, GDP, unemployment rates, and price indices, and the interrelations among the different sectors of the economy. (Irreg.)  |
| EMBA    | 5052   | Financial Markets and Securities | Prerequisites: graduate standing, EMBA students only. Provides a strong foundation for an understanding of financial markets and the main types of securities traded in these markets. The topics covered in the course include trading structure, risk and return, portfolio theory, asset pricing models, market efficiency and an introduction to the nature and valuation of equities, bonds, and options. (Irreg.)  |
| EMBA    | 5062   | Quantitative Methods and Models  | Prerequisites: graduate standing, EMBA students only. Understanding and applying quantitative methods and models in the context of energy management. The content of this course is organized around three modules: summarizing quantitative data; relating and comparing data; and, predicting outcomes based on sample data. The topics covered in these modules include descriptive statistics, associative statistics, regression, multiple regression, and inferential statistics. (Irreg.)   |
| EMBA    | 5072   | Corporate Finance                | Prerequisites: graduate standing, EMBA students only. Provides students with the analytical and conceptual skills required in the modern practice of corporate financial management in energy organizations. The course will focus on three key areas of financial management: (1) the optimal allocation of capital; (2) the optimal choices for raising capital; (3) the optimal management of risk in conjunction with (1) and (2). Includes application of finance theory to solving real business problems in energy companies, and emphasizes the importance of technology and globalization to the modern practice of finance. (Irreg.) |
| EMBA    | 5082   | Strategic Management             | Prerequisites: graduate standing, EMBA students only. Examines management decisions and actions to improve an organization's competitiveness in global business environments. Uses a variety of pedagogies to integrate strategies, and students will develop skills to formulate, implement, and evaluate organizational strategies that play across the energy industry in rapidly changing environments. (Irreg.)   |

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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| EMBA    | 5092   | Accounting II                         | Prerequisites: graduate standing, EMBA students only. Continuation of topics from Accounting I. Examines more advanced financial reporting issues (such as revenue accounting, asset retirement obligations, and supplemental footnote disclosures) and how they affect the basic financial statements. Current SEC developments, recent SFAS, introduction of oil and gas taxation and comparison of financial accounting rules to tax accounting rules. (Irreg.)  |
| EMBA    | 5101   | Legal Institutions and Ethics         | Prerequisites: graduate standing, EMBA students only. Examines enduring ethical, legal and regulatory issues both within and without the energy sector. After tracing the economic and philosophic basis for ethics and law, the course emphasizes the psychological barriers to ethical decision making, the peculiar trappings of the Common Law System, and the meaning of legal obedience. (Irreg.)   |
| EMBA    | 5111   | Management Information Systems        | Prerequisites: graduate standing, EMBA students only. Managers in energy organization need to understand the pathways for improving performance through IT-enablement and to be active participants in decisions regarding investing in and implementing IT-enabled business solutions and supporting infrastructures. This course provides student with an awareness and understanding of the technologies and issues they are likely to confront in their roles as managers in an energy organization. (Irreg.)                             |
| EMBA    | 5122   | Oil and Gas Property and Contracts    | Prerequisites: graduate standing, EMBA students only. Focuses on the process of managing the use and development of land resources. The course examines ways that private persons and companies make their own law through negotiating and entering into contracts, the creation and transfer of interests in real property and intellectual property, and the framework for land ownership and land use both in the United States and internationally. (Irreg.)  |
| EMBA    | 5131   | Alternative Energy: Power & Fuels     | Prerequisites: graduate standing, EMBA students only. Considers interest in renewable energy from the view that meeting global energy demand is "all of the above." Examines traditional energy firms possibly adding alternative energy to its offerings. Provides student with a broad overview of how renewable energy affects markets today, renewable energy technology, and its cost effectiveness compared to other energy sources and its future penetration rate projections. (Irreg.)   |
| EMBA    | 5141   | Supply Chain                          | Prerequisites: Graduate standing, EMBA students only. An overview of supply chain management principles and management considerations vis-a-vis the energy industry. Students are exposed to frameworks to evaluate the efficiency and effectiveness of a supply chain function, methodologies for managing organizational expenditures, and techniques for maximizing value from supply chain operations. Additional topics are: strategic sourcing, inventory management, global sourcing, contract management, and ethics. (Irreg.)        |
| EMBA    | 5152   | Derivative Securities and Markets     | Prerequisites: graduate standing, EMBA students only. Develop an understanding, both intellectual and practical, of the organization and micro-structure of the markets for forward, futures, and options contracts, the principles governing the valuation of these "derivative" securities, and the ways in which these securities can be used effectively in investment banking, portfolio management, hedging, and risk management. Particular attention is paid to energy derivatives and the perspective of the energy sector. (Irreg.) |
| EMBA    | 5162   | Energy Assets and Commodities Trading | Prerequisites: graduate standing, EMBA students only. Provides a comprehensive and in-depth review of the market for energy assets and commodities: including trading platforms, pricing issues, forecasting, role and linkage with associated futures, forwards and options contracts, study of "basis" and spreads, and hedging strategies. The course will be anchored solidly within a theoretical conceptual framework and be supported with relevant case studies. (Irreg.)   |



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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EMBA    | 5172   | Risk Management and Financial Engineering                                   | Prerequisites: graduate standing, EMBA students only. Emphasizes the applications, risk measurement and management (including risk management using derivatives) and using option modeling in firm decision making. The four main topic areas (in order covered) are: (1) derivatives and financial engineering, (2) real options, (3) measuring and managing risk, and (4) examination of corporate failures attributable to derivatives. Particular attention is paid to the energy industry and especially the natural gas industry. (Irreg.) |
| EMBA    | 5182   | Enterprise Valuation, Mergers and Acquisitions, and Corporate Restructuring | Prerequisite: graduate standing, EMBA students only. The course covers major aspects of M&A and other corporate restructuring transactions; reasons that deals are done, the mechanics of the transactions, the valuation of the firms involved, various aspects of deal structure, the roles and incentives of the parties involved, and related issues. Brings together materials from previous finance courses and links financial decision-making with firm's overall business strategy. (Irreg.)  |
| EMBA    | 5191   | Marketing Strategy  | Prerequisites: graduate students, EMBA students only. Covers the challenges faced by the energy industry in developing new markets for its products, and how to manage customer and client relations. Students will learn practical marketing tools and how they can be used to affect corporate strategy. Topics include the strategic marketing process, oil, gas and NGL valuation, market segmentation, supply chain and logistics, pricing mechanisms and hedging. (Irreg.)   |
| EMBA    | 5201   | Leadership and Managing Change  | Prerequisites: graduate standing, EMBA students only. Provides a theoretical understanding and skill development necessary for being an effective leader and manage organizational change. Identify ways to become a more effective leader by applying theories of human behavior to solve day-to-day problems of organizational administration. Examines core decision-making challenges, complex change scenarios, and leadership approaches and strategies to manage change in the context of the energy industry. (Irreg.)                   |
| EMBA    | 5212   | Economic Project Evaluation- Capstone                                       | Prerequisites: graduate standing, EMBA students only. This course brings together concepts to make better economic decisions in the energy industry. Examines ways to evaluate an energy project's economic viability from an investment opportunity and develop the skills needed to make economic evaluations to assess such projects. The participants perform economic evaluations of field development projects and practice creating value during negotiation skills for an oilfield acquisition. (Irreg.)                                 |
| EMBA    | 5222   | Corporate Finance and Risk Management                                       | Prerequisites: graduate standing, EMBA students only. Provides students with the analytical and conceptual skills required in the modern practice of corporate financial management in energy organizations. Will focus on three key areas: (1) optimal allocation of capital; (2) optimal choices for raising capital; (3) optimal management of risk in conjunction with (1) and (2) including measuring and managing risk in energy companies. (Irreg.)   |
| EMBA    | 5232   | Energy Law  | Prerequisites: graduate standing, EMBA students only. From "wellhead to burner-tip" or "shale to sail" - This course will cover the law and regulation related to the full value chain of energy: upstream, midstream (transport, gathering, processing, fractionation); downstream (oil, gas, liquids - petrochem, refining, industrial, commercial, residential). This class will primarily focus on oil and gas but will also cover electric, coal, renewable and international energy topics. (Irreg.)                                       |
| EMBA    | 5242   | Reserve Valuation and Reporting   | Prerequisites: graduate standing, EMBA students only. Key objectives are learning compliant methods of preparing reserves/resources estimates, learning to estimate and understand the composition of and variables to the estimates, understanding the impact of economics on those estimates, properly classifying those estimates using current industry accepted definitions, and understanding the use of reports. Will discuss utilizing a reserves report as the basis for company modeling projections. (Irreg.)                         |
| EMGT    | 1999   | Lower Division Transfer Credit  | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| EMGT    | 3001   | Introduction to Energy Management          | Prerequisite: student must be a declared Energy Management major and have been approved for degree candidacy by Price College. Designed to give students interested in the energy industry an understanding of and appreciation for the history and dynamics of the OU Energy Management program and the energy industry. Includes industry lecturers and on-site operation visits. (F, Sp)   |
| EMGT    | 3113   | Energy Production and Markets              | Prerequisite: junior or senior standing; student must be approved for degree candidacy by Price College; be a declared Energy Management major; EMGT 3001 or concurrent enrollment. Survey of the energy landscape and introduction to local, regional, national and international energy issues from a management perspective. Provides comprehensive coverage of all facets of energy production and use. Introduces students to contemporary issues shaping the industry such as deregulation and emergence of new energy markets. (F, Sp) |
| EMGT    | 3123   | Introduction to Exploration and Production | Prerequisite: EMGT 3001 and declared Energy Management major. Overview of hydrocarbons and world energy; exploration technology; drilling and completion methods; hydraulic fracturing; production systems; well completions and stimulation; common industry terminology and acronyms. (F, Sp)   |
| EMGT    | 3440   | Mentored Research Experience               | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| EMGT    | 3523   | Natural Gas Marketing and Power Trading    | Prerequisite: student must be approved for degree candidacy by Price College; EMGT 3001. An overview of the supply & demand of natural gas and electricity markets with an introduction to risk management techniques associated with the physical and financial aspects of the commodities. (F, Sp)  |
| EMGT    | 3603   | Energy Law I                               | Prerequisite: Student must be approved for Degree Candidacy by Price College, EMGT 3001 and L S 3323. The format of this course has been designed to give students a fundamental understanding of the importance of law and regulation in the energy industry. The emphasis of the course will be oil and gas law and regulation. We will focus on ownership of minerals, the oil and gas lease, oil and gas contracts and certain environmental issues affecting the oil and gas industry. (F, Sp)   |
| EMGT    | 3700   | Internship in Energy Management            | Prerequisite: permission and student must be approved for degree candidacy by Price College; EMGT 3001. May be repeated; maximum credit 12 hours. Application of the theory and principles of business in practical, on-the-job situations in energy related fields. (F, Sp, Su)  |
| EMGT    | 3960   | Honors Reading                             | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| EMGT    | 3970   | Honors Seminar                             | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| EMGT    | 3980   | Honors Research                            | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| EMGT    | 3990   | Independent Study                          | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| EMGT    | 3999   | Upper Division Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| EMGT    | 4900   | Readings in Energy Management                   | to 3 hours. Prerequisite: 3001 and permission from the Energy Management Chair; student must be approved for degree candidacy by Price College; all 3000-level Business Core courses. May be repeated once with change of content. Provides an opportunity for the student to study materials not usually presented in regular courses. (F, Sp, Su)  |
| EMGT    | 4960   | Directed Readings                               | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| EMGT    | 4970   | Special Topics/Seminar                          | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| EMGT    | 4990   | Independent Study                               | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| EMGT    | 5999   | Graduate Level Transfer Credit                  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| EN D    | 3440   | Mentored Research Experience                    | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| EN D    | 3893   | Intro to Urban Development: Theory and Practice | Prerequisite: Junior standing. Introduction to theories that explain the spatial form of places with an application of the concepts in a historical-spatial investigation of an urban place. Particular emphasis given to institutional theory, including guest speakers from various institutions/professions that shape the built environment.(F)  |
| EN D    | 3993   | Environmental Design Practicum                  | Prerequisite: Junior standing. In-depth and on-site problem solving workshop focused on helping community stakeholders address real world challenges found in their local built environments. Emphasis is given to phasing proposed investments in the public and private realms. Subject matter varies and is reflective of a host of issues common to urban development. (Sp)  |
| EN D    | 4893   | Historic Preservation Planning                  | Prerequisite: Junior standing. Through this course, students will: understand and be able to articulate the social and economic values associated with preservation; Gain exposure to and understanding of local, state and federal guidelines for delineation and regulation of historic districts and buildings; Develop case studies in economic feasibility and adaptive reuse, reconstruction and rehabilitation; Understand the role of the State Historic Preservation Office; Understand design-based and economic development based community and district revitalization strategies. (F) |
| EN D    | 4993   | Environmental Design Capstone                   | Prerequisite: senior standing. Provides students a hands-on service/learning opportunity, presenting real world challenges that require collaboration and the application of acquired expertise within the dynamic context of a community's social and built environment. (Sp)[V]  |
| ENGB    | 5131   | Energy Upstream/Downstream                      | Prerequisite: open to MBA students only. Students will gain an understanding of the operations and economics of the upstream sector in most of its aspects: reserves, players, investments, costs, benchmarking, etc. Understand the operations and the main economic characteristics of the refining and distribution. (F)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ENGB    | 5142   | Introduction to Energy  | Prerequisite: ENGB 5131 and graduate standing in Price College of Business. Provides a broad look at the fundamentals (political, cultural, regulatory, weather, legal and environmental) of world energy supply and demand, detailed study of the complete value chain for all commodities including a look at existing and emerging strategies for refining and marketing power options, and an understanding of the technology drivers for the energy industry and the roles of various energy professionals. (Sp)   |
| ENGB    | 5152   | Energy Accounting and Regulations   | Prerequisite: ENGB 5131 and graduate standing in Price College of Business. Provides an overview of (A) federal and state regulatory law in the US affecting natural gas and oil producers and developers, interstate and intrastate pipelines, gas and power marketing companies, and power generating and transmission companies, and (B) the major accounting and tax issues affecting the energy industry. (F)  |
| ENGB    | 5162   | Energy Corporate Finance  | Prerequisite: graduate standing in Price College of Business, FIN 5312; FIN 5322; and ENGB 5142. Provides students specialized knowledge of the corporate finance of firms in the energy sector. Provides an integrated perspective on assessing and financing energy projects, corporate risk management in the energy industry, and issues pertaining to mergers, acquisitions and restructuring in energy firms. While the course will be rigorous and solidly grounded in theoretical concepts, it will provide a thoroughly applied perspective on topics covered by the use of case studies and other hands-on learning opportunities. (Sp) |
| ENGB    | 5172   | Energy Assets and Commodities: Financial Instruments, Pricing and Trading   | Prerequisite: Graduate standing in Price College of Business; FIN 5322; and ENGB 5142. Provides a comprehensive and in-depth review of the market for energy assets and commodities: including trading platforms, pricing issues, forecasting, role and linkage with associated futures, forwards and options contracts, study of "basis" and spreads, and hedging strategies. The course will be anchored solidly within a theoretical conceptual framework and be supported with relevant case studies. (F)   |
| ENGB    | 5182   | Enterprise Valuation, Mergers and Acquisitions, and Corporate Restructuring | Prerequisite: MBA majors only; ENGB 5162. Covers divestitures and the entire Mergers and Acquisitions continuum from valuation, through post-merger integration for energy companies. Provides tools, templates, and proven techniques managers need to efficiently combine different processes and organizations, and cultures. The course presents and examines the latest case studies and research findings in the energy industry. (F)   |
| ENGB    | 5490   | Readings in Energy for Business   | 1 to 3 hours. Prerequisite: graduate standing and permission. May be repeated; maximum credit six hours. Preparation and submission of a research report on an assigned comprehensive topic relating to a topic in energy not offered in the current curriculum. (F, Sp, Su)  |
| ENGB    | 5970   | Special Topics/ Seminar in Energy for Business                              | Prerequisite: graduate standing, permission of instructor. May be repeated with change of topic; maximum credit six hours. Seminar in latest developments in research and theory from the energy field. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (F, Sp, Su)   |
| ENGL    | 0999   | Remedial English  |   |
| ENGL    | 1003   | Introduction to Shakespeare   | A survey of major works by William Shakespeare designed to introduce students to his writing and the study of literature. Works written across Shakespeare's career: comedy, tragedy, history, problem plays and romance as well as his poetry will be read. Questions of performance will be discussed alongside literary analysis. (F, Sp)  |
| ENGL    | 1013   | English for Exchange Students   | Designed to meet the needs of international students who are studying at OU for a semester or a year. Review all English skills including pronunciation, vocabulary, listening, writing, and grammar as well as expand students' knowledge of American cultures. (F, Sp)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ENGL    | 1023   | English for Exchange Students II                   | Prerequisite: ENGL 1013. Designed to build on students' experience in English 1013. Includes units that will 1) introduce new vocabulary, 2) provide opportunities for collaborating with fellow students, 3) explore relationships among American and other cultures, and 4) invite students to practice reading, writing, speaking, and listening in English. As in English 1013, focus will be on exploring writing processes as students compose and revise essays for each unit. Devotes increased attention to comprehension and analysis as well as more rigorous attention to each draft of student papers. Students will complete two essay exams and present them to the class for discussion. (F, Sp) |
| ENGL    | 1113   | Principles of English Composition                  | Systematic analysis of the components of effective writing, with regular practice and close individual assistance. Study of expository prose models. (F, Sp, Su) [I-ENGL]  |
| ENGL    | 1213   | Principles of English Composition                  | Prerequisite: 1113. Systematic analysis of effective argumentative discourse with regular practice and close individual assistance. Study of argumentative prose models. Library research paper required. (F, Sp, Su) [I-ENGL]   |
| ENGL    | 1613   | Native Peoples of Oklahoma                         | (Crosslisted with ANTH 1613) A general introduction to the history, cultural traditions and current condition of the 38 diverse Native American tribes who now reside in Oklahoma. (F, Su) [IV-NW]   |
| ENGL    | 1913   | Writing for the Health Professions                 | Prerequisite: 1213. Prepares pre-professionals in the health professions for writing they will do in later coursework and in practice. (F, Sp)   |
| ENGL    | 1999   |  | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| ENGL    | 2113   | Intermediate Writing                               | Prerequisite: 1213, application and departmental permission. Writing of non-fiction prose in a workshop setting. Reading and analysis of prose models for analysis. (Irreg.)   |
| ENGL    | 2123   | Creative Writing                                   | Prerequisite: ENGL/EXPO 1213 or EXPO 1223. Introduction to imaginative writing, especially short stories and poems; some analysis of literary models, but major emphasis is on student writing. (F, Sp)  |
| ENGL    | 2133   | Autobiographical Writing                           | Prerequisite: 1213, application and departmental permission. Writing essays from personal experience. Reading and analysis of journals, diaries, letters and autobiographies as models for writing. (Irreg.)   |
| ENGL    | 2213   | Fiction  | Introduces fiction as a historical genre in literature. Covered will be sub-genres such as the novel, short story, memoir, travel sketch, etc. Discussion will cover such topics as character, plot and myth in narrative. The emphasis will be on close reading in light of the possibilities of fiction as a genre. (Irreg.) [IV-AF]   |
| ENGL    | 2223   | Poetry   | Gives an introduction to the elements and rhetoric of verse. The focus will be on the canon of American and British verse. (Irreg.) [IV-AF]  |
| ENGL    | 2233   | Drama  | A study of major Western plays (from Aeschylus to contemporary playwrights) with emphasis on literary dimensions: design, language, characterization, individual forms (such as tragedy, comedy and pastoral). May include consideration of social and literary contexts as well as acting and theatrical conventions. (Irreg.) [IV-AF]  |
| ENGL    | 2243   | Film Narrative                                     | Introduction to basic visual terminology, filmmaking concerns, film theory and aesthetics. Survey of different approaches to narrative filmmaking (for example, genre or auteur). Also discussion of film and society in regards to how one influences the other. (Irreg.) [IV-AF]   |
| ENGL    | 2273   | Literary and Cultural Analysis                     | Prerequisite: ENGL 1213. This course offers an introduction to literary and cultural analysis focusing on textual explication, interpretation, and critique. Subjects may include poetic forms (including prosody and scansion, narrative techniques, introduction to genre, and a grounding in basic literary terms. The course emphasizes writing analytically about literature and culture. (F, Sp)   |
| ENGL    | 2283   | Critical Methods: Texts/Contexts/Theories /Critics | Prerequisite: ENGL 1213 and ENGL 2273. This course examines literary and cultural texts in conjunction with texts of theory, criticism or history. The course explores how to read literary texts within relevant frameworks, whether they be historical or other contexts such as gender, race, or colonialism. (F, Sp)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ENGL    | 2413   | Introduction to Literature                            | Concentrates on close readings of masterpieces in fiction, drama and poetry. The readings are drawn from periods ancient to modern and may be American, British or Continental. (Irreg.) [IV-AF]  |
| ENGL    | 2433   | World Literature to 1700                              | A reading of literary works, by types, from classical antiquity to 1700. (F) [IV-WC]  |
| ENGL    | 2443   | World Literature, 1700 to Present                     | Prerequisite: ENGL 1213/EXPO 1213. Masterpieces of world literature from 1700 to the modern period. Courses can either be a broad survey of world literature covering classics by authors such as Goethe, Dostoyevsky, Ghalib, Duras, Kawabata, Kafka, Djebar and Conde or focused around a specific theme, such as rewrites of colonial texts. (Sp)  |
| ENGL    | 2543   | English Literature from 1375 to 1700                  | A survey of major writers and literary movements from Chaucer through Dryden. (F) [IV-WC]   |
| ENGL    | 2653   | English Literature from 1700 to the Present           | A survey of major writers and literary movements from Pope to the present. (Sp) [IV-WC]   |
| ENGL    | 2713   | Introduction to Black Literature in the United States | Prerequisite: 1213 or equivalent. An introduction to Black writing produced in the United States. Introduces students to important texts and their major concerns. Attention is given to the struggle between literature that criticizes racial injustice and literature that celebrates Black cultural identity. (Irreg.)  |
| ENGL    | 2733   | American Indian Literature: Early and Traditional     | Prerequisite: 1113,1213 and one course in American literature, history or anthropology. A study of earliest forms of American Indian expression in the oral tradition and beginnings of its literature as written in English up to 1945. Special emphasis on understanding particular tribal world-views in order to appreciate the literature and problems inherent in translating from native languages. (Irreg.) |
| ENGL    | 2743   | American Indian Literature: Modern and Contemporary   | Prerequisite: 1113,1213 and one course in American literature or history. Features the literature of American Indians written since 1945. Attention is directed to early writers such as Will Rogers and D'Arcy McNickle and to the recent renaissance of contemporary Indian writings by N. Scott Momaday, Leslie Marmon Silko, James Welch and others. (Irreg.)   |
| ENGL    | 2773   | American Literature                                   | A survey of major American writers and literary movements from the colonial period to the Civil War. (F) [IV-WC]  |
| ENGL    | 2883   | American Literature                                   | A survey of major American writers and literary movements from the Civil War to present. (Sp) [IV-WC]   |
| ENGL    | 2970   | Special Topics  | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |
| ENGL    | 3013   | Interdisciplinary Approaches to Literature            | May be repeated with change of subject matter; maximum credit six hours. The study of two or more disciplines, focusing on a narrow historical period, a single major author and other discipline, or a circumscribed topic. (Irreg.)   |
| ENGL    | 3023   | Thematic Approaches to Literature II                  | May be repeated with change of subject matter; maximum credit six hours. Close study of a major theme or preoccupation of a literary period in important works of the period. Attention to the relationship of the theme to relevant philosophical, sociological, political, religious and/or scientific thought. (Irreg.)  |
| ENGL    | 3033   | British Women Writers                                 | A study of themes, literary traditions, and reception of works by British women writers from one or several periods. Considers relevant issues of female authorship, socio-historical contexts, generic conventions and feminist theory. (Irreg.)   |
| ENGL    | 3103   | Topics in Advanced Composition                        | Prerequisite: twelve hours of English, application and departmental permission. May be repeated with change of subject matter; maximum credit six hours. Practice in writing with emphasis on style and strategies of composition. Focus varies: practice in various literary genres; study of rhetoric, practice in various modes; argumentative writing; advanced expository writing. (Irreg.) [I-ENGL]           |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ENGL    | 3113   | Nature/Environment/Science Writing             | Prerequisite: 1213 or EXPO 1213, application and departmental permission. Interdisciplinary advanced composition course offers students a chance to read and write about the natural world, the environment, and science and technology. Centered on the mode of writing called creative non-fiction, students will write a spectrum of autobiographical essays to more objective reportorial pieces. This is a designated writing course. (Irreg.)                         |
| ENGL    | 3123   | Fiction Writing                                | Prerequisite: 2123, application and departmental permission. Intensive writing of short stories, with class attention to writing process, style, technique, revision and contemporary developments in the genre. (Irreg.)   |
| ENGL    | 3133   | Poetry Writing                                 | Prerequisite: 2123, application and departmental permission. Conducted in workshop format; emphasizes the preparation of a coherent, chapbook-length manuscript of poems. Students are also required to formulate a personal poetics and to complete selected exercises in translation or adaptation. (Irreg.)  |
| ENGL    | 3143   | Studies in Literacy and Rhetoric               | Prerequisite: 1213 or EXPO 1213, application and departmental permission. Introduces students to current and historical knowledge about literacy and rhetoric and their places in modern society. Students also explore the forces (political, economic, racial, cultural) that shape the way literacy and rhetoric function in society. (Irreg.) [IV-WC]   |
| ENGL    | 3153   | Technical Writing                              | Prerequisite: 1213 and Engineering or hard science majors only. For students of the pure and applied sciences. Focuses on the forms of report writing most frequently encountered in research and industry. (F, Sp, Su)   |
| ENGL    | 3163   | Writing, Rhetoric, and Histories of Technology | Prerequisite: twelve hours of English, application and departmental permission. An advanced writing course for any major that focuses on the relationship between current and historical technological change and students' writing practices. Workshop format privileges student writing and redrafting while concurrently studying selected histories of Western rhetoric. (Irreg.)   |
| ENGL    | 3173   | Histories of Writing, Rhetoric and Technology  | Prerequisite: twelve hours of English, application and departmental permission. Investigates how computers and other digital technologies have changed the ways we write and think. How video and television have changes the ways we write and think; and how aspects of the history of written communication, visual rhetoric, and other forces change the ways we write and think. (Irreg.)  |
| ENGL    | 3183   | Authoring in the Information Age               | Prerequisite: 1213, application and departmental permission. Covers authoring information in traditional paper documents, Power Point presentations, and web sites with emphasis on delivery, arrangement/architecture, and design for communicating through language and graphics. Topics include the impact of rhetoric contexts, accessibility and retrieval of information, and usability testing. (Irreg.)   |
| ENGL    | 3193   | Working with Writers                           | Prerequisite: 1213 or EXPO 1213. Students will investigate how texts are produced, revised, and edited, with a focus on response and feedback strategies that help writers improve. Course will allow students to practice strategies to improve writing and learn how to work with other writers. (Irreg.)   |
| ENGL    | 3213   | Special Topics in Fiction                      | May be repeated with change of subject matter; maximum credit six hours. Presents a fictional type or problem in fiction for extensive study within a specified historical period: works by a single author in a special genre (e.g., Henry James' fantastic stories), works by several authors in a genre (e.g., violence in post-World War II novels), topics such as myth in a period of fiction and the consideration of recent developments in novel writing. (Irreg.) |
| ENGL    | 3223   | Oklahoma Writers/Writing Oklahoma              | Prerequisite: 1213 or EXPO 1213, application and departmental permission. An introduction to regional writing about Oklahoma. Focus on Oklahoma culture as a source of literature, and the creative work of course participants. (Irreg.) [IV-WC]   |
| ENGL    | 3243   | Special Topics in Film                         | May be repeated with change of subject matter; maximum credit six hours. Sophisticated concerns involving film: the works of specific directors (Bergmann, Fel- Lini, Kubrick, etc.); the relationship of film to literature; the writings of notable film theorists (Bazin, Eisenstein, etc.) or critics (Mast, Kael, Sarris). (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ENGL    | 3253   | Special Topics in American Indian Literature                | May be repeated twice with change in subject matter. Explores a major literary or cultural aspect of American Indian literature such as the Five Civilized Tribes, Eastern Tribes, the Literature of Massacre, autobiographical writing, fiction and poetry. (Irreg.)  |
| ENGL    | 3263   | Women and Film  | Prerequisite: 1213. Focus on the representation of women on screen and the role of women behind the camera from the late 19th century through the present day. Readings will include major essays in feminist theory including sociological, psychoanalytic, semiological, and cultural approaches. (Irreg.)   |
| ENGL    | 3273   | Comic Theory and Comic Practice Through Film                | Prerequisite: 1213. Through readings in comic theory and film, an examination of the comic response to life, celebrating our capacity to endure rather than to aspire and suffer. Forms of comedy to be examined include satire, black humor, farce, romantic comedy, festive comedy, comedy of manners, burlesque, the carnivalesque, and women's laughter. (Irreg.)  |
| ENGL    | 3283   | Tribally Specific Approaches To Native American Literatures | Prerequisite: 1213. May be repeated once with change of content; maximum credit six hours. Literary oeuvre of a single American Indian tribe or examines the aesthetics of tribal nationalism as they apply to native-authored literary works. (Irreg.)  |
| ENGL    | 3293   | Techno Thrillers / Cyber-Punk                               | Prerequisite: ENGL 1213 or EXPO 1213. Topics include the machine as Messiah, fighting back against nature, weapons invoking terror, speculations about the future, emergent nanotechnologies, war fantasies and myths becoming reality, salvation through ecology. The readings blend contrasting subjects-inventive new vocabularies and antique languages, wilderness and technology, religious and secular regimes before and after an apocalypse, masculine and feminine skill sets, patterns in engineering/ science/ grammar, experimental and traditional solutions for living well and finding paradise on earth or elsewhere. (F, Sp) [IV-WC] |
| ENGL    | 3343   | The Literature of Empire                                    | Survey of literary and nonliterary discourse about and relating to European colonies since the Renaissance. Study of colonial and postcolonial fiction, poetry, drama and criticism from Asia, Africa, the Americas, Australasia and Europe, concentrating on English-language sources. (Irreg.)   |
| ENGL    | 3353   | American Indian Nonfiction Writing                          | Examines the various forms of recorded oratory, nonfiction writing by American Indians. Includes autobiography, political and social writing, newspaper reportage, philosophy, anthropological and historical writings, humor and other kinds of writings by early and present-day American Indians. (Irreg.)  |
| ENGL    | 3363   | Films and Context   | Explores film within a particular period or milieu. Attention is given to production styles, prominent actors and studio influence within a definable setting such as American films in the 1930s. (Irreg.)  |
| ENGL    | 3383   | Politics and Literature                                     | Explore political theories of literature as well as political contexts and functions of literary works. May focus on a politically well-defined period, one or more specifically political genres, politics of particular literary movements, or on individual authors. (Irreg.)   |
| ENGL    | 3403   | The Graphic Novel   | The graphic novel. study of the works of Spiegelman, Pekar, Moore/Gibbons, Gaiman/Mckean, Crumb and other graphic novel authors. Comparison with prose fictions having a strong visual element and possibly with films. (Irreg.) [IV-AF]   |
| ENGL    | 3423   | Film and Other Expressive Forms                             | Examines from practical and theoretical perspectives the relationship between film and another area of creative expression such as the novel, theatre, painting and photography. (Irreg.)  |
| ENGL    | 3440   | Mentored Research Experience                                | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |



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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ENGL    | 3453   | Afro-Caribbean Lit/Cult Consciousness: from Alienation to Voice | Prerequisite: 1213. Explores select Afro-Caribbean writings by male and female writers through the historical and cultural influences that have shaped the production of this literature. Attention will be given to the literary style of the writers who represent various aspects of Caribbean experience. (Irreg.)  |
| ENGL    | 3463   | American Fiction  | Prerequisite: 1213. Historical survey of major American fiction, both novels and shorter fictional forms, from the Federal period to the present. Special attention is given to the uniqueness and diversity of themes and forms during the nineteenth and twentieth centuries when fiction came to dominate American literary production and consumption. (Irreg.) [IV-WC]   |
| ENGL    | 3483   | Native American Writers   | Prerequisite: 1213. May be repeated once with change of content; maximum credit six hours. Investigates the ways native American writers reflect their cultural histories and thought systems through their writing. By focusing on the emergence of native literature over the past three decades or on native writers of Oklahoma, students will learn how native traditions have been translated into literature. (Irreg.) [IV-NW]   |
| ENGL    | 3503   | Epic  | Prerequisite: ENGL 1213 or EXPO 1213. Analyze and compare selected classical and Renaissance epic poems. Authors may include Homer, Vergil, Lucan, Ovid, Dante, Tasso, Ariosto, Spenser, Milton, and others. Attention to generic form, literary themes, and cultural/historical contexts. Works read in English or English translation. (Irreg.) [IV-WC]   |
| ENGL    | 3513   | Medieval English Literature                                     | Intensive study of some of the major literary works of medieval England with attention to the relation between the literature and its social, intellectual and cultural contexts. Readings in various genres will include such works as Gawain and the Green Knight, Everyman, Piers Plowman, Morte d'Arthur, and The Canterbury Tales. (Irreg.) [IV-WC]  |
| ENGL    | 3523   | Sixteenth-Century English Literature                            | Intensive study of some of the major literary works of sixteenth-century England with attention to the relation between the literature and its social, intellectual and cultural contexts. Readings will include works in various genres by such writers as Spenser, Sidney, Shakespeare, Marlowe, More. (Irreg.)   |
| ENGL    | 3533   | Seventeenth-Century English Literature                          | Intensive study of some of the major literary works of seventeenth-century England with attention to the relation between the literature and its social, intellectual and cultural contexts. Readings will include works in various genres by such writers as Donne, Herbert, Milton, Marvell, Bacon, Jonson and Webster. (Irreg.) [IV-WC]  |
| ENGL    | 3543   | British-American Enlightenment Literature                       | Prerequisite: 1213 or EXPO 1213. Study of peculiarly British and American Enlightenment concerns, and of how they were expressed and reexamined in British and American Literary texts. (Irreg.) [IV-WC]  |
| ENGL    | 3553   | Transatlantic Literature  | Prerequisite: 1213 and 2313. Explores links between British and American Literature and culture from the seventeenth to the nineteenth centuries. Themes include migration and the sea, issues of servitude, letter writing, interlocking uses of print, pen and voice to fashion local and transatlantic family, social, economics and political identities. (Irreg.)  |
| ENGL    | 3573   | Arthurian Legend and Literature                                 | (Crosslisted with MLLL 3573) Examination of the legend of King Arthur in European literature. Concentrate on the historical Arthur, followed by major portion of semester on medieval and modern literary texts concerning Arthur and the Round Table. All texts read in English. (Irreg.) [IV-WC]  |
| ENGL    | 3613   | Nineteenth-Century British Literature and Culture               | Prerequisite: ENGL 1213/EXPO 1213. An introduction to notable works of Romantic and Victorian literature, with attention to issues such as imperialism, gender, race, sexuality, nation and capitalism. Readings will include writings in various genres by authors such as William Wordsworth, Jane Austen, Charles Dickens, Robert Browning, George Eliot, and Thomas Carlyle. (Irreg.)   |
| ENGL    | 3623   | Twentieth-Century British Literature and Culture                | Prerequisite: ENGL 1213/EXPO 1213. Intensive study of some of the major literary works of twentieth-century Britain with attention to the relation between the literature and its social, intellectual and cultural contexts. Individual courses can cover (among others) the Modernist period (writers like Conrad, Yeats, Woolf, Eliot), Post-War Literature (Osborne, Delaney, Sillitoe), Contemporary British Literature (Carter, Ishiguro, Rushdie) and/or Black British Literature (James, Selvon, Smith). (Irreg.) |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ENGL    | 3643   | Special Topics in Non-Western Literature and Culture | Prerequisite: 1213. Examines a broad range of potential topics, including particular practices in the context of global cultures and/or minority groups in the West. Course readings draw on a variety of critical or theoretical work regarding culture, discourse, history, or institutions. (Irreg.)  |
| ENGL    | 3653   | The Bible as Literature                              | Interpreting the Bible as literature. Although much class time will be spent developing readings of individual books, a number of critical issues that affect the ways to approach the project of understanding the Bible will also be considered. (Irreg.)  |
| ENGL    | 3713   | Introduction to American Studies                     | An introduction to the main currents in American thought as exemplified by literary and nonliterary works (emphasis on the latter). Readings may include works from history, philosophy, art, science and other areas. (Irreg.) [IV-WC]  |
| ENGL    | 3813   | Science Fiction                                      | Prerequisite: 1213. An introduction to a major genre of popular culture. Focuses on the philosophical, social, and creative values of science as a central constituent of modern life. Students explore the social, moral, and political issues at stake in science fiction's critique and occasional celebration of scientific culture. (Irreg.) [IV-WC]  |
| ENGL    | 3843   | Theory Now   | Prerequisite: ENGL 1213 or EXPO 1213 and ENGL 2273. Designed for undergraduate English majors and minors, the study of new directions in literary and cultural criticism and theory since 1968, reading influential selections from roughly two dozen leading postmodern figures. The main schools and movements discussed are structuralism, poststructuralism, feminist theory, postcolonial criticism, race and ethnicity studies, and cultural studies. Representative figures include Roland Barthes, Harold Bloom, Helene Cixous, Michel Foucault, Bell Hooks, and Elaine Showalter. Among the key concepts and terms explored are authorship, convention, literary canon, ideology, interpretation, intertextuality, hegemony, literariness, and tradition. (F, Sp) |
| ENGL    | 3960   | Honors Reading                                       | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular classes. (Irreg.)  |
| ENGL    | 3980   | Honors Research                                      | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (Irreg.)  |
| ENGL    | 3990   | Independent Study                                    | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| ENGL    | 3999   | Upper Division Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| ENGL    | 4003   | Movements in World Literature                        | (Crosslisted with MLLL 4003) Prerequisite: junior standing. May be repeated with change of subject matter; maximum credit nine hours. Focuses on texts within a literary movement (literature other than canonical American or British). Also attention to critical and theoretical questions about concepts such as genre, nation, national building, national identity, etc. (Irreg.) [IV-WC]  |
| ENGL    | 4013   | Major Figure (With Subtitle)                         | May be repeated with change of subject matter; maximum credit six hours. The major figure designated in the subtitle is studied in depth: a major portion of his/her works are covered; significant critical approaches will be presented. (Irreg.)  |
| ENGL    | 4023   | Literary Movements                                   | May be repeated with change of subject matter; maximum credit six hours. A course on literary movements or groups of authors who are related through their particular interests in certain distinct or philosophical ideas: the Metaphysical Poets, the Fugitive Writers, etc. (Irreg.)  |
| ENGL    | 4033   | Indigenous Political Writing                         | Prerequisite: 2733 or 2743 or permission of the instructor. Examines key issues of American Indian politics and literature, exploring how they continue to shape the American Indian world in the present. Also considers how North American Indian politics relate to broader discussions of indigenous peoples and literatures around the world. (Irreg.)  |

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|---------|--------|---|---|
| ENGL    | 4113   | Magazine Editing and Publishing in the Humanities     | Prerequisite: 1213 or EXPO 1213. Introduction to magazine writing, editing, and publishing - scholarly and otherwise - in the humanities. (F)   |
| ENGL    | 4133   | History Of the English Language                       | Traces the development of the English language from its Indo-European origins through its present state. Special attention will be paid to changes in grammar and vocabulary. (Irreg.)  |
| ENGL    | 4203   | Special Topics in Literary Forms                      | May be repeated with change of subject matter; maximum credit six hours. Generic approach to literary forms; exact subject material (eighteenth-century satire, Western novel, gothic fiction) will vary from course to course. (Irreg.)  |
| ENGL    | 4233   | Major Figures in Theory                               | Intensive exploration of the work and influence of one or a small number of literary or cultural theorists. Texts typically will encompass primary reading in a theorist or group of theorists and ancillary readings in the work of writers or other theorists who show the theorist(s). (Irreg.)  |
| ENGL    | 4253   | Introduction to Film Theory                           | Introduction to basic issues of film theory as seen by classical and contemporary film theorists. (Irreg.)  |
| ENGL    | 4273   | Women Writers   | Prerequisite: ENGL/EXPO 1213. May be repeated twice with change of content; maximum credit 9 hours. A study of women's art and culture in British, American, Native American and/or African American contexts. Typically incorporating a feminist approach and raising questions about gender, race, and sexuality, the course engages the often forgotten or marginalized experiences of women as represented in literature, film and/or other texts. (Irreg.) |
| ENGL    | 4283   | Hip Hop as Poetry, Literature and Cultural Expression | Prerequisite: 1213. Hip Hop will be examined from three different angles: the message, the history, and the performance. There are required film viewings. Students will analyze the lyrics of literary texts and music albums, and will be required to write, memorize and perform their own poetry. (Irreg.) [IV-AF]  |
| ENGL    | 4303   | Special Topics in Criticism                           | May be repeated with change of subject matter; maximum credit six hours. selected studies in literary criticism, including the criticism of film. The exact subject matter will vary from instructor to instructor. (Irreg.)  |
| ENGL    | 4323   | The Harlem Renaissance                                | Prerequisite: 1213. Examines the literature, culture, and politics of the Harlem renaissance. In addition to texts of the 1920s, the course considers the contexts out of which the movement emerged, as well as its effects in the U.S. and abroad. (Irreg.)   |
| ENGL    | 4333   | Black Arts/Black Power                                | Prerequisite: 1213 or EXPO 1213. Examines the formation of the black arts and black power movements of the 1960s and 1970s in the united states. Focus on cultural exchanges and ideological engagements between local struggles for civil rights and larger global movements. Studies include a variety of literary and critical texts and genres, film and music. (Irreg.)  |
| ENGL    | 4343   | The Indian in American Popular Culture                | Prerequisite: 1213 or equivalent. Explores the various appearances and roles, stereotyped or otherwise, American Indians have traditionally been pigeon-holed into throughout America's five centuries of recorded history. Covers Captain John Smith, Colonial era, Romantic period of Cooper and Longfellow, and modern writers Waters and Berger. (Irreg.) [IV-NW]   |
| ENGL    | 4373   | Black Literary Form and Cultural Expression           | Prerequisite: 1213. Compare and contrast the relationship between literary form and cultural expression by analyzing Black literature produced in two different contexts: the United States and the Caribbean. Examine writing from the literary movements known as the "Harlem Renaissance," "Negritude," and the "Black Arts." (Irreg.)   |
| ENGL    | 4383   | Civilization and Diaspora                             | Prerequisite: 1213. Examines literary and cultural forms from the African Diaspora (the Black population outside of continental Africa) offering alternative definitions of civilization, literary and progress. Define and explore what is called Diaspora literacy: linguistic, philosophical and cultural ways of knowing that come out of African Diaspora experience. (Irreg.) [IV-NW]   |

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|---------|--------|---|---|
| ENGL    | 4403   | Special Topics in Comparative Literature      | May be repeated with change of subject matter; maximum credit six hours. Topics will vary. Literature studied may include combinations of foreign (In Translation) and English and/or American literature. Instructor's approach may be thematic, regional, historical, generic, etc., but the course will include intensive cross-cultural explorations of literature. (Irreg.)            |
| ENGL    | 4453   | Literature and Landscape                      | Exploration of writers, gardeners, farmers and painters who translated nature into art. Texts range from ancient to modern world and may include classical, renaissance, romantic and American works in which engagement in landscape is an important topic. (Irreg.)   |
| ENGL    | 4463   | Linguistics and Semiotics                     | Trace the study of synchronic linguistics in phonology, syntactics and semiotics in the twentieth century and examine the field of semiotics based on this development. (Irreg.)  |
| ENGL    | 4513   | Chaucer                                       | Examines the poetry of The Canterbury Tales and one or two of Chaucer's earlier narrative poems. Special emphasis will be given to the social, literary and cultural backgrounds to Chaucer's work. (Irreg.)  |
| ENGL    | 4523   | Shakespeare Comedies                          | Prerequisite: junior or senior standing. Close reading and analysis of Shakespeare's comedies and histories. Selected criticism, 1600 to the present. Historical background and Shakespeare's theatre. Dramatic traditions, movie interpretations, performance theory and acting. Emphases and reading lists vary from year to year. (Irreg.) [IV-WC]                                       |
| ENGL    | 4533   | Shakespeare Tragedies                         | Prerequisite: junior or senior standing. Close reading and analysis of Shakespeare's tragedies and lyric poetry. Selected criticism, 1600 to the present. Historical background and Shakespeare's theatre. Dramatic traditions, movie interpretations, performance theory and acting. Emphases and reading lists vary from year to year. (Irreg.) [IV-WC]                                   |
| ENGL    | 4543   | Tudor and Stuart Drama                        | Intensive study of the drama of Shakespeare's contemporaries, with emphasis on the plays of Christopher Marlowe and Ben Jonson. Attention to dramatic forms, social issues, cultural context, language and performance. Readings will include plays by Marlowe, Jonson, Webster, Heywood, Fletcher, Ford. (Irreg.)  |
| ENGL    | 4553   | Milton  | Close reading and analysis of selected poetry and prose, with emphasis on Paradise Lost. Study of literary forms, cultural myths, theology, ethics. Themes of loss, guilt, free will, male-female relationships. (Irreg.)   |
| ENGL    | 4573   | Eighteenth-Century English Novel              | Sources, early reputation and emerging critical theories; economic, moral, feminine influences; realistic, psychological, sentimental, gothic and satiric directions; technical developments in structure and point of view; works by such novelists as Richardson, Fielding, Smollett, Sterne and Jane Austen. (Irreg.)  |
| ENGL    | 4593   | Topics in Medieval Literature and Culture     | Prerequisite: 1213. May be repeated with change of content; maximum credit six hours. Specialized study in selected topics in medieval literary culture. Students will be expected to be able to read middle English. (Irreg.)  |
| ENGL    | 4603   | Topics in Early Modern Literature and Culture | Prerequisite: 1213. May be repeated with change of content; maximum credit six hours. Specialized study in selected topics in early modern literary culture. (Irreg.)   |
| ENGL    | 4613   | Nineteenth-Century British Novel              | Prerequisite: ENGL 1213/EXPO 1213. An exploration of novels by authors such as Jane Austen, Charles Dickens, Charlotte Bronte, and Thomas Hardy, in relation to their social, intellectual, and cultural contexts, focusing on selected topics (such as industrialism), themes (such as the conflict between passion and convention), or types (such as "the novel of education"). (Irreg.) |
| ENGL    | 4623   | British Romantic Literature and Culture       | Prerequisite: ENGL 1213/EXPO 1213. The Romantic literary movement from the late eighteenth to the early nineteenth century, a time of revolution in politics, human rights, literature, sexuality, and more. The course may focus on major poets, such as Keats, on Gothic literature, and novelists such as Jane Austen. (Irreg.)  |
| ENGL    | 4653   | Twentieth-Century English Poetry              | A survey with emphasis on Yeats, Pound, Eliot, Lawrence, Graves, Auden and Dylan Thomas. (Irreg.)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ENGL    | 4713   | Major Authors in Nineteenth-Century American Literature | Prerequisite: 1213. May be repeated with change of subject; maximum credit six hours. Intensive study of one or more major 19th century American authors such as James Fenimore Cooper, Catharine Maria Sedgwick, Frederick Douglass, Walt Whitman, Nathaniel Hawthorne, Ralph Waldo Emerson, Harriet Beecher Stowe, Emily Dickinson, or Mark Twain. (Irreg.)                                   |
| ENGL    | 4723   | Issues in Nineteenth-Century American Literature        | Prerequisite: 1213. May be repeated with change of subject; maximum credit six hours. Intensive study of nineteenth-century American texts in a specific literary or historical context, such as the Civil War and reconstruction, the Women's Rights Movement, transcendentalism, regionalism, or sentimentalism. (Irreg.)   |
| ENGL    | 4733   | American Naturalism and Realism                         | Major American novelists from the Civil War to the end of World War I, including Howells, James, Twain, Crane, Dreiser, Norris and Wharton. (Irreg.)  |
| ENGL    | 4823   | American Novel Since 1920                               | Major authors and schools in American fiction including Fitzgerald, Hemingway, Faulkner, Steinbeck and others selected by the instructor. (Irreg.)  |
| ENGL    | 4833   | Twentieth-Century American Poetry                       | A survey from Frost to the present with emphasis on major figures in each of three generations. (Irreg.)  |
| ENGL    | 4853   | The English Capstone Course                             | Prerequisite: 1113, 1213, and 2433 and 2443 or 2543 and 2653 or 2773 and 2883, plus twelve hours. Combine English majors from diverse tracks to work on a topic involving major cultural issues, artifacts and texts. Projects include a significant amount of writing demonstrating the students' accomplishments in analyzing literature. (F, Sp) [V]   |
| ENGL    | 4883   | Literature of the Diaspora                              | Prerequisite: ENGL 1213 and permission of instructor. May be repeated with a change of content, maximum credit nine hours. In-depth study of selected contemporary international writers/jurors, frequently non-Western, who visit campus as part of the Neustadt and/or Puterbaugh symposia for World Literature Today. (Irreg.)   |
| ENGL    | 4923   | Advanced Fiction Writing                                | (Slashlisted with 5923) Prerequisite: six hours of creative writing, application and departmental permission. May be repeated; maximum credit six hours. Work at an advanced level for qualified students. Intensive writing, peer criticism, revision, and reading in current markets with the goal of producing publishable work. No student may earn credit for both 4923 and 5923. (Irreg.) |
| ENGL    | 4933   | Advanced Poetry Writing                                 | (Slashlisted with 5933) Prerequisite: six hours of creative, application and departmental permission. May be repeated; maximum credit six hours. Intensive writing, peer criticism, revision, and reading in current markets with the goal of producing publishable work. No student may earn credit for both 4933 and 5933. (Irreg.)   |
| ENGL    | 4943   | Advanced Creative Nonfiction Writing                    | (Slashlisted with 5943) Prerequisite: six hours of 2000-3000-level writing courses, application and departmental permission. May be repeated; maximum credit six hours. Intensive writing, peer criticism, revision, and reading in current markets with the goal of producing publishable creative nonfiction. No student may earn credit for both 4943 and 5943. (Irreg.)                     |
| ENGL    | 4950   | Special Topics in World Literature Today                | 1 to 3 hours. Prerequisite: 1213 and permission of instructor. May be repeated with a change of topic, maximum credit six hours. In-depth study of selected contemporary international writers/jurors who visit campus as part of the Neustadt and/or Puterbaugh symposiums for World Literature Today. (Irreg.)  |
| ENGL    | 4960   | Directed Readings                                       | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| ENGL    | 4970   | Special Topics in World Literature Today                | 1 to 3 hours. Prerequisite: 1213 and permission of instructor. May be repeated with a change of topic; maximum credit six hours. In-depth study of selected contemporary international writers/jurors who visit campus as part of the Neustadt and/or Puterbaugh symposiums of World Literature Today. (Irreg.)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ENGL    | 4990   | Independent Study   | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topics not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| ENGL    | 5003   | Seminar--Special Topics in English, American or Comparative Lit | Prerequisite: graduate standing and permission of department. May be repeated three times with change of subject matter; maximum credit 12 hours. Topics in theoretical and historical problems of English, American or comparative literature in different periods. (Irreg.)  |
| ENGL    | 5113   | Teaching College Composition and Literature                     | Prerequisite: graduate standing and permission of department. In a workshop format, students will apply readings in composition and literary theory to such practical concerns of freshman English teaching as course planning, assignment preparation, grading and discussion techniques. (F)   |
| ENGL    | 5133   | Teaching Technical Writing                                      | Prerequisite: graduate standing and permission of department. Introduction to the types of writing professional engineers and scientists are expected to do and methods of teaching these forms of writing. In addition, students will attend classes being taught by the professor and have the opportunity to design and teach some workshops as well as evaluate the undergraduates' work. (Irreg.) |
| ENGL    | 5223   | Seminar--Film   | Prerequisite: graduate standing and permission of department. Will involve reading and analyzing the works of the more sophisticated film theorists and critics as well as studying approaches to the teaching of film (the auteur theory; film history; film genres; visual literacy; film and society; film as narrative; non-narrative forms). (Irreg.)   |
| ENGL    | 5253   | Transatlantic Women Writers                                     | Prerequisite: graduate standing and permission of department. Explores work of eighteenth and early nineteenth century women writers who were "transatlantic" in different ways: some were born and/or lived in America and published in England; some wrote novels which crossed the Atlantic or were set on both sides; some corresponded and wrote in tandem. (Irreg.)                              |
| ENGL    | 5263   | British Women Writers   | Prerequisite: graduate standing and permission of department. May be repeated twice with change of content; maximum credit nine hours. Study of British women writers with focus on any period from the Middle Ages to the present. May focus on a particular genre, a literary movement, or on a particular author. (Irreg.)  |
| ENGL    | 5273   | Anglophone Women Writers  | Prerequisite: graduate standing and permission of department. May be repeated once with a change of content; maximum credit six hours. Close examination of Anglophone women's writing regarding the sociopolitical forces that shape their historical experience, identity, and cultural roles. Novels will be from different regions and with distinct preoccupations. (Irreg.)                      |
| ENGL    | 5283   | American Women Writers  | Prerequisite: graduate standing and permission of department. May be repeated twice with change of content; maximum credit nine hours. Specific topics will vary. Focus on the history of writing by and about women in the United States. (Irreg.)  |
| ENGL    | 5313   | Literary Criticism  | Prerequisite: graduate standing and department permission. May be repeated with change of content; maximum credit nine hours. A comprehensive history of literary criticism, the study of a particular movement or related movements in literary criticism; or a study of a particular issue or related issues in literary criticism. (Sp)   |
| ENGL    | 5323   | Contemporary Cultural Studies                                   | Prerequisite: graduate standing and permission of department. May be repeated once with change of topic; maximum credit six hours. Addresses variable topics and issues in cultural studies such as popular culture, mass media, subcultures, gender codes, visual media, minority literatures, global cultural, and post-modernization. (Irreg.)  |
| ENGL    | 5333   | Native American Women Writers                                   | Prerequisite: graduate standing and permission of department. Reading or viewing poetry, fiction, autobiography, and film by Native American women. Examining traditional Indian societies' conceptions of gender and the relationship between western Feminism and native women's political experiences. (Irreg.)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ENGL    | 5343   | Native American Fiction                               | Prerequisite: graduate standing and permission of department. May be repeated twice with change of subject matter; maximum credit nine hours. Study of fiction written by Native American authors in the nineteenth and twentieth century. The course may include native authors from throughout the Americas and study the cultural contexts of Native American fiction. This course may also focus on particular themes and authors. (Irreg.)  |
| ENGL    | 5353   | Native American Poetry                                | Prerequisite: graduate standing and permission of department. May be repeated twice with change of content; maximum credit nine hours. Study of poetry written by Native American authors in twentieth century. Course may include native authors from throughout the Americas (including poetry in indigenous languages) and study the cultural contexts of Native American poetry. This course may also focus on particular themes and authors. (Irreg.)   |
| ENGL    | 5363   | Native American Non-Fiction and Criticism             | Prerequisite: graduate standing and permission of department. May be repeated twice with change of subject matter; maximum credit nine hours. Study of Native American cultures by means of non-fiction and scholarly-critical writings. Course may focus on issues of methodology, theory, and cultural studies. Course may also focus on particular themes and authors. (Irreg.)   |
| ENGL    | 5373   | Graduate Topics in Native American Literature         | Prerequisite: graduate standing and permission of department. May be repeated up to three times with change of subject matter; maximum credit twelve hours. Special topics focusing on Native American cultures, including literature, drama, philosophy, and thematic approaches to the subject. Course may also focus on particular themes, movements, and authors. (Irreg.)   |
| ENGL    | 5403   | Issues in Composition, Rhetoric and Literacy          | Prerequisite: graduate standing and permission of department. An overview of contemporary research and theory in the study of written composition, with emphasis on rhetorical theory, the interrelationship of writing and reading, and the politics of defining literacy. (Irreg.)   |
| ENGL    | 5413   | History of Modern Composition Studies                 | Prerequisite: graduate standing and permission of department. A survey of twentieth century scholarship on composition theory, including composing process theory and discourse theory. (Irreg.)   |
| ENGL    | 5423   | Classical Rhetorical Theory                           | Prerequisite: graduate standing and permission of department. Historicizing of rhetoric from ancient Egyptians to Greek sophists, Plato, Aristotle to Rome and Augustine. Includes examination of the ways "history" and cultural studies comprise the area. (Irreg.)  |
| ENGL    | 5433   | 18th and 19th Century Rhetorical Theory               | Prerequisite: graduate standing and permission of department. An introduction to the rhetorical thought of eighteenth and nineteenth-century Britain and America, focusing on the development of rhetorical theories within the contexts of (1) eighteenth-century Scottish moral philosophy, (2) English romanticism, and (3) the emergence and development of higher education in nineteenth-century America. (Irreg.)   |
| ENGL    | 5443   | Twentieth-Century Rhetoric and Composition Theory     | Prerequisite: graduate standing and permission of department. A survey of twentieth-century scholarship on rhetoric and composition theory, beginning with the rhetorical theories of Kenneth Burke, with emphasis on the mid-century revival of rhetoric and composition through current changes brought about by technology and feminism. (Irreg.)   |
| ENGL    | 5453   | Special Topics in Rhetoric, Composition, and Literacy | Prerequisite: graduate standing and permission of department. May be repeated two times with change of content; maximum credit nine hours. Addresses topical issues being debated within the profession. (Irreg.)  |
| ENGL    | 5463   | Rhetoric & Technology                                 | Prerequisite: graduate standing and permission of department. May be repeated once with change of content; maximum credit six hours. A graduate seminar designed to explore the impact of computer technology on rhetorical theory. Examines electronic literacy in terms of the following themes: history and writing technologies; the politics of writing instruction in computer-mediated classrooms; rhetoric and issues of difference; and intellectual property in a computer age. (Irreg.) |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ENGL    | 5473   | Women's Rhetorics and Writing Practices                        | Prerequisite: graduate standing and permission of department. Analysis of selected historical and current work by women according to histories and theories of written composition theory, rhetorical theory, and literacy practices. These issues are studied by analyzing how women interact with different forms of communication (e.g., speaking, print, film, video, computer graphics). (Irreg.)   |
| ENGL    | 5483   | Rhetorical Perspectives on Literacy                            | Prerequisite: graduate standing and permission of department. Inquiry into the meaning of "literacy" in the electronic age where text, graphics, and video "interanimate" each other. It asks: what are the boundaries of literacy: What academic fields does its study encompass: What is the current benchmark for illiteracy: How have different societies defined functional literacy? (Irreg.)  |
| ENGL    | 5513   | Major Medieval Authors   | Prerequisite: graduate standing and permission of department. May be repeated twice with a change of content; maximum credit nine hours. Topics vary. Focus on an outstanding medieval author such as Geoffrey Chaucer, Margery Kempe, or Thomas Malory, read in his or her literary, historical, and social context. (Irreg.)   |
| ENGL    | 5523   | Topics in Medieval Literature and Culture                      | Prerequisite: graduate standing and permission of department. May be repeated twice with change of content; maximum credit nine hours. Topics vary. Special studies in major figures, genres, themes, and movements of the Middle Ages. (Irreg.)   |
| ENGL    | 5533   | Major Early Modern Author                                      | Prerequisite: graduate standing and permission of department. May be repeated twice with change of content; maximum credit nine hours. Topics vary. Focus on a significant early modern author such as William Shakespeare, John Milton, or Margaret Cavendish, read in his or her literary, historical, and social context. (Irreg.)  |
| ENGL    | 5543   | Topics in Early Modern Literature and Culture                  | Prerequisite: graduate standing and permission of department. May be repeated twice with change of content; maximum credit nine hours. Topics vary. Special studies in major figures, genres, themes and movements of the early modern period. (Irreg.)  |
| ENGL    | 5553   | Post-Colonial Theory and Writing                               | Prerequisite: graduate standing and permission of department. Theories of postcolonialism as they have emerged from poststructuralist theory in the west, and from various political-literary movements in the non-Western world. Also focuses on the literatures of postcolonial cultures in Asia, Africa, Latin American, the Caribbean, Australia, and North America. (Irreg.)  |
| ENGL    | 5613   | Seminar--Nineteenth Century English Literature                 | Prerequisite: graduate standing and permission of department. May be repeated twice with change of subject matter; maximum credit nine hours. Special studies in the Romantic and Victorian periods designed to promote original research and criticism. (Irreg.)  |
| ENGL    | 5703   | Special Topics in American Literature                          | Prerequisite: graduate standing and permission of department. May be repeated two times with change of subject matter; maximum credit 9 hours. Intensive study of a major theme, issue, genre or figure in American literature and culture that is not limited to any single historical period. (Irreg.)   |
| ENGL    | 5713   | Seminar--Nineteenth-Century American Literature                | Prerequisite: graduate standing and permission of department. Specific topics will vary. Typical topics will be contemporary criticism and the literature of the American renaissance or contemporary criticism of the American realists. (Irreg.)   |
| ENGL    | 5723   | Late Nineteenth Century & Early Twentieth Century American Lit | Prerequisite: Graduate standing and permission of department. Examination of late nineteenth and early twentieth century fictional accounts of the relation between class and literary culture. Discussion includes writers' relation to literary market, writers' sense of the capacity of literature to transform society, and the writers' relation to nationalism, imperialism, and/or cosmopolitanism. Provides a broad survey of high and middlebrow literary culture in the U.S. at the turn of the century. (Irreg.) |
| ENGL    | 5803   | Seminar--Twentieth-Century American Literature                 | Prerequisite: graduate standing and permission of department. May be repeated twice with change of subject matter; maximum credit 9 hours. Topics vary. Special studies in American authors, ideas and literary types. (Irreg.)  |
| ENGL    | 5813   | Blackness, Coloniality, Gender                                 | Prerequisite: graduate standing and permission of department. Taking an historical and cultural approach to Black U.S. and Caribbean female writing, explore the struggle between the "official" cultural contexts and the spaces of counter-cultural resistance. Analyze the terminology "colonial" and "postcolonial" and the current theoretical landscape in which these terms are used. (Irreg.)  |



# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ENGL    | 5923   | Advanced Fiction Writing                               | (Slashlisted with 4923) Prerequisite: graduate standing, six hours of creative writing, application and departmental permission. May be repeated; maximum credit six hours. Work at an advanced level for qualified students. Intensive writing, peer criticism, revision, and reading in current markets with the goal of producing publishable work. No student may earn credit for both 4923 and 5923. (Irreg.)                 |
| ENGL    | 5933   | Advanced Poetry Writing                                | (Slashlisted with 4933) Prerequisite: graduate standing, six hours of creative writing, application and departmental permission. May be repeated; maximum credit six hours. Intensive writing, peer criticism, revision, and reading in current markets with the goal of producing publishable work. No student may earn credit for both 4933 and 5933. (Irreg.)   |
| ENGL    | 5943   | Advanced Creative Nonfiction Writing                   | (Slashlisted with 4943) Prerequisite: graduate standing, six hours of 2000-3000-level writing courses, application and departmental permissions. May be repeated; maximum credit six hours. Intensive writing, peer criticism, revision, and reading in current markets with the goal of producing publishable creative nonfiction. No student may earn credit for both 4943 and 5943. (Irreg.)                                    |
| ENGL    | 5960   | Directed Readings in Research                          | 1 to 4 hours. Prerequisite: graduate standing and permission of department. May be repeated with change of content; M.A. thesis option maximum credit three hours; M.A. non-thesis option maximum credit six hours; Ph.D. maximum credit nine hours. An individual course, which may not duplicate regular course offerings, of intensive research. Area and problem to be determined by student and directing professor. (Irreg.) |
| ENGL    | 5970   | Special Topics/Seminar                                 | 1 to 3 hours. Prerequisite: Graduate standing and permission of department. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| ENGL    | 5980   | Research for Master's Thesis                           | Prerequisite: Graduate standing and permission of department. 2 to 9 hours. Variable enrollment; maximum credit applicable toward degree, six hours. (F, Sp, Su)   |
| ENGL    | 5999   | Graduate Level Transfer Credit                         | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| ENGL    | 6013   | Research Seminars in Composition, Rhetoric or Literacy | Prerequisite: graduate standing and permission of department. Topics vary. Issues of the historical/philosophical in composition and rhetorical studies; issues of empirical research in composition/rhetorical studies; issues of literacy in composition/rhetorical studies. (Irreg.)  |
| ENGL    | 6103   | Research Methods in Composition                        | Prerequisite: by permission. Topics vary. A survey of the literature in composition research from 1900 to the present; directed research of an empirical, historical or theoretical nature. (Irreg.)   |
| ENGL    | 6113   | Issues in Contemporary Theory and Cultural Studies     | Prerequisite: graduate standing and permission of department. Explores issues in theory and cultural studies during recent decades, focusing on influential figures, major texts, innovative schools and movements, and new problems in the field. (Irreg.)  |
| ENGL    | 6523   | Seminar in the Renaissance                             | Prerequisite: graduate standing and permission of department. May be repeated once with change of subject matter; maximum credit six hours. Closely studies texts (e.g. More, Campion, Shakespeare, Milton) and topics (e.g. the Baroque, Colonialism, rhetoric) in English literature, 1485-1700. (Irreg.)  |
| ENGL    | 6960   | Directed Readings                                      | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| ENGL    | 6970   | Special Topics/Seminar                                 | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)   |
| ENGL    | 6980   | Research for Doctoral Dissertation                     | (F, Sp, Su)  |

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| Subject | Number | Title                            | Course Description   |
|---------|--------|----------------------------------|--|
| ENGL    | 6990   | Independent Study                | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| ENGR    | 1410   | Freshman Engineering Orientation | Prerequisite: declared major in engineering. All entering freshmen with a declared engineering major are required to enroll. One hour of this seminar a week is in a large group setting where all students meet and cover details on all engineering disciplines. Additional topics would be continuums of majors, success in the College of Engineering, success at the University of Oklahoma, study abroad programs, advising issues, graduate school opportunities, career planning, and information related to technical/honor societies and participation. A second hour a week is a required small group session with an upper-class mentor from the College of Engineering Dean's Leadership Council. This second hour will focus on basic enrollment and retention strategies such as adding and dropping classes and choosing electives in addition to a weekly topic area. (F) |
| ENGR    | 1411   | Freshman Engineering Experience  | Prerequisite: declared major in Engineering or permission of instructor. Required of all entering freshmen with a declared Engineering major. Lecture hours cover a variety of topics including: majors and minors; career planning; advising; and extra-curricular activities. Students also work on multi-disciplinary engineering projects in smaller groups during the lab hour. (F)   |
| ENGR    | 1510   | Selected Topics                  | 0 to 3 hours. Selected topics on current or special topics relating to engineering to be structured for students in engineering and other areas. (F, Sp, Su)   |
| ENGR    | 1999   | Lower Division Transfer Credit   | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.   |
| ENGR    | 2002   | Professional Development         | Prerequisite: sophomore standing. Develop an understanding of engineering ethics, teamwork, leadership, and professional responsibility through the concepts of contemporary, social, and global issues. (F, Sp)   |
| ENGR    | 2281   | Engineering Co-Op Program        | (Crosslisted with AME, CH E, CEES, C S, ECE, EPHY, G E, I E, P E 2281) Prerequisite: student participation in the program. The Co-Op program provides student placement in jobs outside the University, but in a position related to the student's major. On completion of a semester work period, the student submits a brief written report. One hour credit (elective) granted for each work period, with a maximum credit of six hours. (F, Sp, Su)  |
| ENGR    | 2411   | Applied Engineering Statics      | Prerequisites: Physics 2514 and Mathematics 2433 or concurrent enrollment in Mathematics 2433. Review of fundamentals of statics calculations and their applications to common engineering situations. (Sp)  |
| ENGR    | 2421   | Dynamics                         | Prerequisite: PHYS 2514 and MATH 2433 or 2934 or concurrent enrollment in MATH 2433 or 2934. Introduction to basic principles of engineering computing. Topics include kinematics (rectilinear motion, angular motion, curvilinear motion and rigid body motion), kinetics, work and energy, and impulse and momentum. (Sp)  |
| ENGR    | 2431   | Electrical Circuits              | Prerequisite: MATH 2423 or 2924; and PHYS 2524 or concurrent enrollment. Introduction to basic principles of electrical circuits. Topics include DC circuits analysis, DC transients, static electrical fields, static magnetic fields, capacitors, inductors, and filters. (F, Sp)  |
| ENGR    | 2461   | Thermodynamics                   | Prerequisite: MATH 2433 or 2934; and PHYS 2524 or concurrent enrollment. Introduction to basic principles of thermodynamics. Topics include density, pressure, and temperature, the first law of thermodynamics for a system, the first law of thermodynamics for a control volume, the second law of thermodynamics, and psychometrics. (F)   |
| ENGR    | 2531   | Electrical Circuits II           | Prerequisite: ENGR 2431. Introduction to intermediate principles of electrical circuits. Topics include amplifiers, filters, signal conditioning, A/D and D/A conversion, and common digital and analog circuits. (Sp)   |
| ENGR    | 2613   | Electrical Science               | Prerequisite: ENGR 1410, ENGR 1411, ENGR 3410, or ENGR 3511; and MATH 2423 or MATH 2924; PHYS 2524 or concurrent enrollment. Formulation and solution of circuit equations, network theorems, sinusoidal steady-state analysis, simple transients. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ENGR    | 2970   | Special Topics/Seminar                                   | 1 to 3 hours. Prerequisite: Permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ENGR    | 3223   | Fluid Mechanics  | Prerequisite: ENGR 2213, MATH 2433 or 2934; concurrent enrollment in ENGR 2113 and MATH 3113. Coverage of the fundamentals of fluid statics and dynamics. Formulation of the equation of fluid flow, i.e., Navier-Stokes Equations, Eulers Equations, Bernoulli Equations, etc. and their application. Examples of ideal fluid flow and viscous fluid flow, such as flow in open and closed conduits. (F, Sp, Su)   |
| ENGR    | 3401   | Engineering Economics                                    | Prerequisite: MATH 1823 or 1914 and CEES 2153 or PE 2153 or AME 2153. Introduction to basic principles of engineering economics. Topics include value and interest, cash flow diagrams and patterns, equivalence of cash flow patterns, unusual cash flows and interest periods, evaluating alternatives (annual equivalent cost comparisons, present equivalent cost comparisons, incremental approach, rate of return comparisons, benefit/cost comparisons, MARR, replacement problems, always ignore the past, break-even analysis), income tax, depreciation, and inflation. (F, Sp)   |
| ENGR    | 3410   | Engineering Orientation for Transfer Students            | Prerequisite: transfer students majoring in Civil Engineering, Environmental Science, Environmental Engineering, or Architectural Engineering majors. Sophomore standing or above. Required orientation course for majors in the School of Civil Engineering and Environmental Science. The lecture hours cover a variety of topics including: major and minors; career planning; advising; and extra-curricular activities. Students also work on multidisciplinary engineering projects. To be taken during the first semester of enrollment in the College of Engineering at OU. (F, Sp) |
| ENGR    | 3431   | Electromechanical Systems                                | Prerequisite: ENGR 2431. Introduction to basic principles of electromechanical systems. Topics include physical principles of sensing and actuation, types of sensors and actuators, and interfacing and communication protocols. (F, Sp)   |
| ENGR    | 3440   | Mentored Research Experience                             | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| ENGR    | 3441   | Fluid Mechanics  | Prerequisite: Mathematics 2433 or 2934; and Physics 2524 or concurrent enrollment. Introduction to basic principles of fluid mechanics. Topics include fluid properties, fluid statics, dimensionless parameters and similitude, control volume equations, open channel flow, and external flow. (Sp)   |
| ENGR    | 3510   | Selected Topics  | 0 to 3 hours. Prerequisite: upper-division standing. Selected topics on current or special topics relating to the field of engineering. (F, Sp, Su)   |
| ENGR    | 3511   | Engineering Orientation Experience for Transfer Students | Prerequisite: sophomore standing. Required of all incoming transfer students with a declared major in Engineering. The lecture hours cover a variety of topics including: majors and minors; career planning; advising; and extra-curricular activities. Students also meet with mentors and work on multidisciplinary engineering projects. Also open to students with an interest in engineering. (F, Sp)   |
| ENGR    | 3990   | Independent Study  | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| ENGR    | 3999   | Upper Division Transfer Credit                           | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ENGR    | 4003   | Engineering Practice   | Prerequisites: ENGR 2002 or 2003, junior or senior standing, and permission of the instructor. Focuses on real world application of the skills taught in major courses and the core course, professional development. Allows a student to earn credit toward degree requirements through the completion of an intense internship experience. A written report detailing the responsibilities and results of the experience is required upon completion along with an oral presentation. Other service experience learning may qualify. (F, Su)  |
| ENGR    | 4013   | Leadership and Management for Engineers                                    | Prerequisites: junior standing or senior standing; or graduate standing; or instructor permission. This course will help prepare students for leadership and management positions in a global culture. The course emphasizes team building attributes in a multi-cultural organization, how to build commitment among team members, and how to organize to compete in the global marketplace. Students will gain a better understanding of themselves and their personal and professional goals. (F, Sp)  |
| ENGR    | 4023   | Disruptive and Innovative Technology Ideation                              | Prerequisites: sophomore standing, junior standing, or senior standing; or graduate standing; at least one semester of calculus, a working knowledge of basic statistics, and departmental permission. Ideation is the process of conceiving or forming ideas. In the context of this class, the process of ideation will be investigated with regard to both disruptive and innovative commercial technologies. (F, Su)  |
| ENGR    | 4113   | Science, Engineering, and Mathematics Educational Outreach for STEM Majors | (Slashlisted with 5113) Prerequisite: junior or senior standing and permission of instructor. Designed for STEM majors interested in educational outreach at any age level, this course introduces the fundamentals of cognition, educational psychology and pedagogy, and shows how these topics relate to learning. Critical review and analysis of STEM education in light of best teaching practices, school cultural issues, gender issues, and ethnic cultural issues will be explored. Authentic, inquiry-based STEM lessons will be developed and taught in K-12 classrooms or similar education venues. Field site observations and interactions with educational professionals will be used to emphasize practical application of learning theory. No student may earn credit for both 4113 and 5113. (F) |
| ENGR    | 4510   | Selected Topics  | 1 to 6 hours. Prerequisite: upper-division or graduate standing. Selected topics on current or special topics relating to engineering. May be structured for students in other areas. (Sp)  |
| ENGR    | 4513   | Introduction to Sustainable Engineering                                    | Prerequisite: upper-division or graduate standing in the College of Engineering or permission of the instructor. An introduction to the concepts of sustainable development, sustainable engineering, global resource reserves, and global environmental concerns. The main focus of the class will be application of life cycle assessment to minimize the adverse environmental impacts of products (e.g., a pencil) or processes (e.g., wastewater treatment). Tools for life cycle assessment will include public domain software and SimaPro. (Sp)   |
| ENGR    | 4960   | Directed Readings  | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| ENGR    | 4970   | Special Topics/Seminar   | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| ENGR    | 4990   | Independent Study  | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ENGR    | 5113   | Science, Engineering and Mathematics Educational Outreach for STEM Majors | (Slashlisted with 4113) Prerequisite: graduate standing and permission of instructor. Designed for STEM majors interested in educational outreach at any age level, this course introduces the fundamentals of cognition, educational psychology and pedagogy, and shows how these topics relate to learning. Critical review and analysis of STEM education in light of best teaching practices, school cultural issues, gender issues, and ethnic cultural issues will be explored. Authentic, inquiry-based STEM lessons will be developed and taught in K-12 classrooms or similar education venues. Field site observations and interactions with educational professionals will be used to emphasize practical application of learning theory. No student may earn credit for both 4113 and 5113. (F) |
| ENGR    | 5120   | Engineering Education Enquiry   | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Seminar course covering topics in engineering education research. (Irreg.)   |
| ENGR    | 5900   | Engineering Professional Practice   | 1-6 hours. Prerequisite: Graduate standing and departmental permission. May be repeated; maximum credit six hours. Participation in a professional experience with an approved project sponsor and topic. A written report detailing the responsibilities and results of the experience is required upon completion along with an oral presentation. (F, Sp, Su)  |
| ENGR    | 5960   | Directed Readings   | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| ENGR    | 5970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| ENGR    | 5980   | Research for Master's Thesis  | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| ENGR    | 5990   | Independent Study   | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| ENGR    | 5999   | Graduate Level Transfer Credit  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| ENGR    | 6960   | Directed Readings   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| ENGR    | 6970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| ENGR    | 6980   | Research for Doctoral Dissertation  | (F, Sp, Su)   |
| ENGR    | 6990   | Independent Study   | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| ENST    | 1013   | Consumption and the Environment   | An introduction to the interdisciplinary aspects of human consumption and the environment. Aspect of the production and consumption of food, energy, transportation, and housing are considered for their contributions to global climate change, air and water pollution, and habitat alteration, as well as other relevant topics regarding the environment. Students will learn how complex interactions between natural processes and human activities shape aspects of the global, regional and local environment. (F, Sp) [III-SS]  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ENST    | 1999   | Lower Division Transfer Credit   | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| ENST    | 2003   | Environmentally Conscious Living   | Recent media attention on environmental issues, including climate change, have led more people to ask, "what can I do?" This course will present a brief overview of the major environmental issues confronting our planet and the ways in which everyday people are unwitting contributors to those issues. After reviewing the individual's role in these issues, information will be provided on how we can make choices that help students be a part of the environmental solution. (Irreg.)  |
| ENST    | 2023   | American Environmental Perspectives  | Prerequisite: sophomore standing or permission of instructor. Based on the relationships between people and the natural world, with a focus on natural, social, and institutional systems in the US, and our shared goals for sustainability, this course explores the role of nature in fulfilling human needs, as well as how American society influences and impacts nature at local, regional, national, and global scales. (F)   |
| ENST    | 2623   | Human-Wildlife Interactions  | Prerequisite: sophomore standing or permission of instructor. Examines various aspects of human-wildlife interactions, including issues pertaining to habitat destruction, poaching, and forced sharing of space between humans and wildlife. Species will be studied through examination of case studies, evaluation of their efficacy, and development of additional solutions to these and similar problems arising in wildlife conservation, with particular emphasis on large African mammals. (Sp)  |
| ENST    | 2703   | Ecology, Environmental Science, and Environmentalism                       | Prerequisite: ENST 1013. Explores the similarities and differences in the philosophies and goals of ecologists, environmental scientists, and environmental activists using real-world environmental challenges facing humanity. (Sp)   |
| ENST    | 2713   | Plants, People and the Environment   | Prerequisite: ENST 1013 or sophomore standing. Explores how plants have changed Earth and human history, and, in turn, how human activities through history have affected plant growth and distributions in ways that have altered the landscape and affected climate. (Sp)   |
| ENST    | 2940   | Environmental Research Experiences for Students (ERES): Research Reading   | 1 to 3 hours. Prerequisite: majors only and permission of department. A semester-long course in which a student works independently with a faculty researcher to gain experience and understanding in the primary literature associated with active research within a specific discipline. (F, Sp, Su)  |
| ENST    | 2950   | Environmental Research Experiences for Students (ERES): Practical Research | 1 to 3 hours. Prerequisite: ENST 2940 or concurrent enrollment, majors only and permission of department. A semester-long course in which a student works independently with a faculty researcher to gain experience and understanding in active research within a specific discipline. (F, Sp, Su)   |
| ENST    | 2970   | Special Topics   | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)  |
| ENST    | 3003   | Nature and Culture   | Prerequisite: junior standing or permission of instructor. Nature and culture are always interrelated. As humans, we are active participants in our environment, affecting it and also being affected by it. How a culture perceives itself and its place in the world affects how people view nature. In this course, we will think about how the human race has lived with nature, how twentieth-century culture impacted the global environment, how humans have transformed nature to appease their desires, and how our living patterns and attitudes toward nature might influence our future. (Irreg.) |
| ENST    | 3013   | Globalization, Culture, and the Environment                                | Prerequisite: junior standing or permission of instructor. Examines debates on the environment and culture in a global context. Explores the heterogenous nature of encounters between local and global environmental concerns as we consider topics ranging from conservation, ecotourism, and bioprospecting to trade, global security, and environmental justice. (Irreg.)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ENST    | 3023   | Environmental Psychology                            | Prerequisite: junior standing or permission of instructor. Examines the interplay between human behavior and the environment, both natural and built. Topics include place identity and place attachment, the cognitive hierarchy and human behavior, the influence of design on behavior, biophilia and behavioral inheritance, the psychology of crowding, environment and health, and research applications. (Sp)  |
| ENST    | 3103   | Sustainable Business and the Environment            | Prerequisite: junior standing or permission of the instructor. Increases awareness that systems are interrelated and that the environment and business are connected. The hope is to create environmentally savvy business people who can create profitable business enterprises capable of being economically sustainable while maintaining the natural resource base rather than depleting it. Commerce must live off the interest, not the capital, of nature. (Irreg.)  |
| ENST    | 3203   | Sprawl and the Environment                          | Prerequisite: junior standing or permission of instructor. The built environment, in particular our pattern of cities surrounded by suburbs, has impacts on the environment. These impacts are both direct and indirect. Direct effects include impact on water quality, habitat fragmentation, endangered species and the covering of natural habitat with impervious surfaces. Indirect impacts include increased reliance on automobiles and subsequent increases in air pollution and greenhouse gasses. Students will examine patterns in land use and their impacts and how different development patterns and practices can minimize environmental impacts. (Irreg.) |
| ENST    | 3213   | Law and the Environment                             | Prerequisite: junior standing or permission of instructor. Examines the general underlying foundations of the United States constitutional principles. Study of the constitutional and structural conflicts when environmental law is at issue. The focus of the class will shift to practical information and exercises regarding environmental law. Finally, the class will study the three sections of specialized law and their interrelationship with the environment. (Irreg.)  |
| ENST    | 3223   | Environmental Justice                               | Prerequisite: junior standing or permission of instructor. Examines the impact of industrial societies on human beings, especially minority and low income populations. Students are introduced to evidence of disproportionate impact in certain populations, potential causes of the problems, theoretical concepts of environmental justice and how some of these concepts may be implemented to solve problems affecting the various communities. Additionally, students will review the legal and social implications, as well as potential methodology that is defining, refining, and shaping the environmental justice landscape. (Irreg.)                          |
| ENST    | 3233   | Sustainable Communities                             | Prerequisite: junior standing or permission of instructor. Explores the form and organization for communities of the future. Covers transition topics such as peak oil, water scarcity, social equity, carrying capacity, sustainable agriculture, green transportation, and renewable energy. (Irreg.)   |
| ENST    | 3243   | Introduction to Water Law                           | Prerequisite: English 1213/Expository Writing 1213, junior standing or permission of instructor. Provides an understanding of the fundamental tenets of water allocation in the United States. Topics include the Clean Water Act and its effect on resolving complex pollution issues, competing uses of water, riparian doctrine, prior appropriation, the public trust doctrine, nonpoint source pollution, and oil spills and hydraulic fracturing. (Sp)  |
| ENST    | 3263   | Ecotourism: Sustainable Wildlife and Nature Tourism | Prerequisite: ENST 1013 or ENST 2623, junior standing, or permission of instructor. Using case studies and small student group projects, this course explores ecotourism or sustainable wildlife and nature tourism across the broad array of beneficial features, such as protection for a species and income generation for local people, as well as some of ecotourism's less-sustainable and potentially harmful aspects. (F)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ENST    | 3303   | Food, Agriculture, and the Environment              | Prerequisite: junior standing or permission of the instructor. Food production, both large scale and small scale, has impacts on the environment. From erosion to water pollution to intensive use of fossil fuels, these impacts affect a variety of environmental elements. Since most of us buy our food pre-packaged at the supermarket, we do not see these impacts, nor typically are these impacts reflected in the price we pay. Most of our food arrives from far away, transported over long distances, in many cases from the southern hemisphere. This class will examine the impact of our food production systems on all aspects of the environment including air, soil, and water, as well as its demands and impacts on energy production. (Irreg.) |
| ENST    | 3313   | Gardening, Community, and the Environment           | Prerequisite: junior standing or permission of instructor. Explores fundamental concepts and styles of gardening with an emphasis on edibles and organic methods. Class assignments help students connect gardening to environmental and community issues at the personal, local, regional, and global levels. A service learning component promotes hand-on experiences and responsibility to the community. (Irreg.)  |
| ENST    | 3413   | Human Health, Disease, and the Environment          | Prerequisite: junior standing or permission of the instructor. Students will explore the relationship between human diseases and the environment, specifically the interaction between humans and both biotic (living) and abiotic (non-living) elements of the environment. Biotic and abiotic elements of the environment and the changes brought upon those elements by humans will be explored with the resulting consequences for human health. Students will gain a better understanding of the multiple interactions among humans, the environment, microorganisms, and disease vectors. (Irreg.)  |
| ENST    | 3423   | Anthropogenic Contaminants and Environmental Health | Prerequisite: junior standing or permission of instructor. Human progress has allowed us to live comfortable, well-fed lives, free from many diseases and environmental fluctuations. This progress has degraded many of the ecosystem goods and services on which we depend. This course will examine human environmental impacts, with a focus on water pollution, and the consequences of human activities on ecosystem goods and services. (Su)   |
| ENST    | 3440   | Mentored Research Experience                        | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| ENST    | 3463   | Water and Ecological Sustainability                 | (Crosslisted with BIOL 3463) Prerequisite: junior standing and English 1213 or Expository Writing 1213, Biology 1114 or Biology 1124 or Biology 1134, or permission of instructor. Objective of the course is to allow students to examine and discuss important historical and current issues relating to the interactions between socio-economic use of water resources and ecosystem biodiversity, function, and sustainability. (F)   |
| ENST    | 3503   | Energy Use, Climate Change, and the Environment     | Prerequisite: junior standing or permission of instructor. The way we live in the modern industrialized world is extremely energy intensive. We will examine our energy use across all sectors, from the fuels used to generate the electricity to run our computers to the energy we are most familiar with, that which we use to fill our cars. (Irreg.)  |
| ENST    | 3603   | Global Perspectives of Wildlife Conservation        | Prerequisite: junior standing or permission of instructor. A conservation biology course with primary attention aimed at wildlife. Explores the complex relationships that exist between humans and wildlife throughout the world. Group activities and detailed assessment of case studies will introduce students to finding solutions to threats that can provide wildlife conservation in a way that is also beneficial (or at least not harmful) to humans. (F)  |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ENST    | 3613   | The Politics of Wildlife Conservation                                      | Prerequisite: junior standing or permission of instructor. Exploration of the politics of wildlife conservation from a variety of perspectives. Review the history of our own species' impact on the lives of free-ranging animals and examine the many ways that human-wildlife symbiotic relationships have influenced biodiversity loss and growth. Students will learn about the process of implementing national laws and international treaties aimed at conserving wildlife, while also practicing methods of working with local people and key decision makers. Through a series of problem-solving activities and assessment of several relevant case studies, we will focus on the more general "politics" of wildlife conservation. (Irreg.) |
| ENST    | 3633   | Wilderness Philosophy  | Prerequisite: junior standing or permission of instructor. Explores the concept of wilderness as a human construct. Provides an overview of the various Western perspectives of wilderness; from the early prehistoric and colonial American views of wilderness, through the inception and designation of federally recognized Wilderness, to the current debate regarding the role of wilderness in contemporary society. (Su)  |
| ENST    | 3653   | Community Conservation   | Prerequisite: junior standing or permission of instructor. Community conservation involves local people, often working with conservation scientists, protecting and conserving their natural resources. The principles of community conservation are similar globally, but each community conservation project will differ depending on location, habitat type, and the status of wildlife species involved. Select case studies of successful programs will be examined as bases for hypothetical student community conservation projects. (Sp)  |
| ENST    | 3663   | Hot Topics in Wildlife Conservation  | Prerequisite: ENST 2623 or ENST 3613 or permission of adviser or instructor. Examines the latest technologies used in the field of conservation, new advances in human-wildlife conflict mitigation, updates on political approaches to conservation, and other current conservation news, with emphasis on large African mammals. Provides an opportunity to learn more about how interested stakeholders come together to develop national wildlife policies and conservation action plans. (Su)  |
| ENST    | 3723   | Philosophical Issues in Ecological Restoration                             | Prerequisite: English 1213/Expository Writing 1213, junior standing or permission of instructor. This introduction to the field of restoration ecology will cover philosophical, societal, and scientific aspects of restoring habitats and ecosystems. (Sp)  |
| ENST    | 3743   | Biological Invasions and Society   | Prerequisite: junior standing or permission of instructor. New species arrive on our shores daily; some of these species become so problematic that we label them "invasive." Explores some of our views of invasive species, what makes a species invasive, how they spread, what their impacts are on human and natural systems, whether or not all invasive species are bad, and what can be done to control them. (Sp)  |
| ENST    | 3800   | Environmental Internship   | 1 to 3 hours. Prerequisite: junior standing and permission of IPE coordinator. Supervised work experience at a business, government or non-profit agency, dealing with an environmental issue. May require specific preparation, as appropriate. S/U grade based on completion of advance preparation, if any; evaluation by workplace supervisors; and coordinator's evaluation of a report on the issue dealt with during the internship. (F, Sp, Su)   |
| ENST    | 3913   | Special Topics in Environmental Studies                                    | Prerequisite: junior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Designed to permit the study of specific and changing issues and problems in environmental studies. (Irreg.)  |
| ENST    | 3940   | Environmental Research Experiences for Students (ERES): Research Reading   | 1 to 3 hours. Prerequisite: ENST 2940 and permission of department. Students will work independently with a faculty researcher to gain experience and understanding in the primary literature associated with active research within a specific discipline. (F, Sp, Su)   |
| ENST    | 3950   | Environmental Research Experiences for Students (ERES): Practical Research | 1 to 3 hours. Prerequisite: ENST 3940 or concurrent enrollment. A semester-long course in which a student works independently with a faculty researcher to gain experience and understanding in active research within a specific discipline. (F, Sp, Su)   |

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| Subject | Number | Title                             | Course Description  |
|---------|--------|-----------------------------------|---|
| ENST    | 3960   | Honors Reading                    | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in regular course work. (Irreg.)   |
| ENST    | 3970   | Honors Seminar                    | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| ENST    | 3980   | Honors Research                   | 1 to 3 hours. Prerequisite: admission to Honors program. May be repeated; maximum credit six hours. Provides an opportunity for the Honors candidate to work at a special project under the guidance of a professor on a specific environmental related issue. (Irreg.)   |
| ENST    | 3990   | Independent Study                 | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| ENST    | 3999   | Upper Division Transfer Credit    | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| ENST    | 4003   | Practicum on Environmental Issues | Prerequisite: Permission of IPE coordinator. Students work in small groups on an environmental problem facing central Oklahoma. A variety of skills and concepts will be applied to cooperatively propose a solution that incorporates the perspectives of the sciences, social sciences, and the humanities. (Sp)  |
| ENST    | 4960   | Directed Readings                 | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| ENST    | 4970   | Seminar                           | Prerequisite: junior standing or permission of instructor. May be repeated with a change of content; maximum credit six hours. Interdisciplinary topics with regard to the environment; May include field work, special presentations, or other activities not covered in regularly scheduled courses. (Irreg.)   |
| ENST    | 4990   | Independent Study                 | 1 to 3 hours. Prerequisite: junior standing or permission of instructor. May be repeated; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled coursework. May include library and/or research and field projects. (Irreg.)  |
| ENST    | 5053   | Advanced Environmental Studies    | Prerequisite: graduate standing. An interactive seminar featuring discussions of assigned readings, student presentations, and guest lectures. Topics covered will cross the environmental studies spectrum, from basic ecological principles and approaches to public and agency communication, and will include treatment of historical, policy, and legal perspectives of environmental issues. (Sp) |
| ENST    | 5960   | Directed Readings                 | 1 to 3 hours. Prerequisites: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member affiliated with the Environmental Studies program. (F, Sp, Su)   |
| ENST    | 5980   | Research for Master's Thesis      | Prerequisite: graduate standing. Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. (F, Sp, Su)  |
| ENST    | 5990   | Independent Study                 | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| ENST    | 5999   | Graduate Level Transfer Credit    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| ENT     | 1999   | Lower Division Transfer Credit    | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |

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| Subject | Number | Title                            | Course Description   |
|---------|--------|----------------------------------|--|
| ENT     | 2113   | Innovation & Entrepreneurship    | Explore the basic concepts of innovation and entrepreneurship. The class will be a mix of lectures and discussions, presentations, experiential exercises and guest speakers. This course will not count towards the 9 hours of additional ENT coursework for ENT majors or the ENT elective for business majors pursuing the ENT minor. (F, Sp)   |
| ENT     | 3003   | Introduction to Entrepreneurship | Prerequisite: Student must be approved for degree candidacy by Price College. The course focuses on the early development of independent ventures as well as those within established organizations. Individual and organizational level issues will be addressed. Entrepreneurial thinking will explore the thought processes that challenge existing norms and pave the way for novel solutions to problems in any field. The venture life-cycle of - opportunity - launch - growth - harvest is highlighted. The course will also address start-up team issues, legal issues with new firms and innovations and organizational form. Not for entrepreneurship major credit. (Irreg.)  |
| ENT     | 3103   | Entrepreneurial Field Studies    | Prerequisite: student must be approved for degree candidacy by Price College, 3113 or concurrent enrollment. A practicum course that provides students with opportunities to apply concepts mastered in previous business courses. Students work with entrepreneurs to develop comprehensive business plans for new ventures or to assist business persons with problems related to market research, financial management, managerial issues, and other business requirements such as planning expansion or new product development. (F, Sp)   |
| ENT     | 3113   | New Venture Development I        | Prerequisite: Student must be approved for degree candidacy by Price College, Entrepreneurship majors and minors or permission. Focuses on developing a better understanding of the nature of entrepreneurial opportunities and how these opportunities relate to the external environment and to students' entrepreneurial careers. Topics in this course include understanding the opportunity environment, determining the feasibility of an opportunity, preparing for the launch, growth and harvesting of an entrepreneurial venture and planning for a career in entrepreneurship. The mastery of concepts covered in this course provides a foundation for the business-plan capstone course and represents an early step in the starting and managing of an entrepreneurial venture following graduation from OU. (F, Sp) |
| ENT     | 3193   | Social Entrepreneurship          | Prerequisite: ENT 3113 or permission. Introduces students to social entrepreneurship and practices associated with starting and growing mission-driven ventures. Social ventures aim to achieve a double or even triple bottom line with meaningful social and/or environmental returns, as well as sustainable financial returns through their products, services or other business practices. Focus will be on for-profit ventures. (F)  |
| ENT     | 3203   | Entrepreneurial Process          | Prerequisite: student must be approved for degree candidacy by Price College. Course focuses on the early development of independent ventures as well as those within established organizations. Individual and organizational level issues will be addressed. Entrepreneurial thinking will explore the thought processes that challenge existing norms and pave the way for novel solutions to problems in any field. The venture life-cycle of opportunity, launch, growth, and harvest is highlighted. The course will also address start-up team issues, legal issues with new firms and innovations, and organizational form. Concepts are illustrated through field and case studies and guest speakers. (Sp)   |
| ENT     | 3303   | Entrepreneurship Practicum       | Prerequisite: student must be approved for degree candidacy by Price College, all 3000-level Business core courses. Provides an opportunity for entrepreneurship students to learn the strategies of start-ups and venture capital. An approved practicum experience with new and expansion phase business and venture capital firms provided. The intent is to provide students with "hands-on" experiences with practicing entrepreneurs. (F, Sp, Su)  |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| ENT     | 3413   | New Product Development        | Prerequisite: Student must be approved for degree candidacy by Price College; ENT 3113 or MKT 3053, MGT 3013, MKT 3013. Focuses on the development of ideas for new or established organizations, creating an environment conducive to innovation, recognizing business opportunities, assessing the market, customer and competitor situation. The development of these ideas leads to a feasibility analysis. Examines the development of a sales and distribution structure (including franchising, distributorship, and licensing and alliances), understanding segmentation, targeting, and niching. (Irreg.)  |
| ENT     | 3423   | International Entrepreneurship | Prerequisite: junior standing, and student must be approved for degree candidacy by Price College. Designed to immerse the student in the European Union consumer experience. A practicum course that provides students with opportunities to apply concepts mastered in previous business courses. The class materials are two major assignments, three cases, and a book. Materials will also be supplemented with corporate visits that reinforce the concepts from the in-class materials. The goal is to help students understand the customer experience. Solving a consumer pain and converting interest into a purchase are the foundation of a new venture. (Su) |
| ENT     | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| ENT     | 3513   | Venture Capitalization I       | Prerequisite: student must be approved for degree candidacy by Price College, ENT 3113, and FIN 3303 or concurrent enrollment in FIN 3303. Teaches students the functional tools to engage in the management of entrepreneurial capital in ventures from early stage to mature. (F, Sp)   |
| ENT     | 3603   | New Venture Development II     | Prerequisite: student must be approved for degree candidacy by Price College, ENT 3113, and ENT 3513 or concurrent enrollment. Teaches student to conduct elaborate research relevant to the starting of a new venture. Focus is on researching and assessing the market, industry and customer context of a potential venture. Course forms the foundation for writing a solid business plan. (F, Sp)  |
| ENT     | 3613   | Launching the New Venture      | Prerequisite: student must be approved for degree candidacy by Price College. This class deals with the issues an entrepreneur might face during the launch phase of their new venture and/or new product. The case-based curriculum teaches students the critical questions that must be answered in order to turn products and ideas into sales and revenue. Issues to be covered are opportunity identification, manufacturing, pricing, market segmentation, advertising, promotions, public relations, branding, sales, negotiations, channels, service franchising, competition and strategy. (F, Sp)   |
| ENT     | 3710   | Topics in Entrepreneurship     | 1 to 3 hours. Prerequisite: student must be approved for degree candidacy in Price College of Business. May be repeated; maximum credit nine hours. Permits students to study topics in entrepreneurship not included in standard course offerings. Subject of course will vary. (F, Sp, Su)  |
| ENT     | 3813   | Entrepreneurial Law            | Prerequisite: Students must be approved for degree candidacy by Price College, MGT 3013 & LS 3323 or concurrent enrollment. Designed to provide the would-be entrepreneur with a working knowledge of certain essential substantive areas of the law and the ability to work with and use lawyers effectively. The focus will be on the practical legal considerations in forming and sustaining an entrepreneurial enterprise, including entity organization, securities laws, employment benefits, operational liabilities, financing, mergers and acquisitions and intellectual property law. (Sp)   |
| ENT     | 3880   | Directed Reading               | Prerequisite: Student must be approved for degree candidacy by Price College, permission. Directed readings and problems under staff supervision for advanced students. A comprehensive report and/or examination is required. (Irreg.)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ENT     | 3913   | Entrepreneurial Growth Strategies                     | Prerequisite: student must be approved for degree candidacy by Price College, and MGT 3013 or concurrent enrollment. Focuses on growth processes and systems; attracting the right people; managing cash-flow; shareholder decision-making; financial and market-driven options for long-run competitiveness, organizational structures, and management team issues; strategic planning from a resource-based perspective; transition planning for the corporate entity, family dynamics and communication issues; and leadership empowerment. (F)  |
| ENT     | 3960   | Honors Reading  | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| ENT     | 3970   | Honors Seminar  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| ENT     | 3980   | Honors Research                                       | Prerequisite: Admission to Honors College, and 3113 or concurrent enrollment. May be repeated, maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (Irreg.)  |
| ENT     | 3990   | Independent Study                                     | Prerequisite: Student must be approved for degree candidacy by Price College, all 3000-level business core courses, ENT 3113 or concurrent enrollment. Provides an opportunity for the student to work at a special project in the student's field. (F, Sp, Su)   |
| ENT     | 3999   | Upper Division Transfer Credit                        | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| ENT     | 4103   | Entrepreneurial Field Studies                         | Prerequisite: student must be approved for degree candidacy by Price College, all 3000-level Business core courses, 3113 or concurrent enrollment. A practicum course that provides student with opportunities to apply concepts mastered in previous business courses. Students work with entrepreneurs to develop comprehensive business plans for new ventures or to assist business persons with problems related to market research, financial management, managerial issues, and other business requirements such as planning expansion or new product development. (F, Sp)   |
| ENT     | 4503   | Center for the Creation of Economic Wealth Internship | Prerequisite: Student must be approved for degree candidacy by Price College, all 3000-level business core courses, ENT 3113 or concurrent enrollment. CCEW provides OU with an enhanced mechanism to offer practical experience to promote the entrepreneurial spirit and assist in developing Oklahoma's economy. The Center for the Creation of Economic Wealth operates alongside the University's Office of Technology Development which is the primary source of the center's intellectual property. Through internship programs, CCEW participants engage in entrepreneurial outreach activities and the development of Actual start-up companies. (Sp, F) |
| ENT     | 4603   | New Venture Development III                           | Prerequisite: student must be approved for degree candidacy by Price College; all Business core courses; ENT 3113, ENT 3603, and ENT 3513. Teaches students the critical skills and processes associated with the commercialization of innovate ventures. The commercialization process involves building the resources and financial requirements for successfully launching a new venture. Success in this course requires application of prior learning the New Venture Development I and II. (F, Sp)  |
| ENT     | 4710   | Topics in Entrepreneurship                            | Prerequisite: Student must be approved for degree candidacy by Price College, all 3000-level Business core courses, 3113 or concurrent enrollment. May be repeated with change of topic; maximum credit six hours. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ENT     | 4813   | Entrepreneurial Law                               | Prerequisite: Students must be approved for degree candidacy by Price College, all 3000-level Business core courses. Designed to provide the would-be entrepreneur with a working knowledge of certain essential substantive areas of the law and the ability to work with and use lawyers effectively. The focus will be on the practical legal considerations in forming and sustaining an entrepreneurial enterprise, including entity organization, securities laws, employment benefits, operational liabilities, financing, mergers and acquisitions and intellectual property law. (Sp)  |
| ENT     | 4823   | Venture Capitalization II                         | Prerequisite: student must be approved for degree candidacy by Price College; all Business core courses or concurrent enrollment and ENT 3513 or permission of instructor. Covers various aspects of financing entrepreneurial ventures; from the initial fund raising effort to growth capital needs to harvesting or exiting the business. This course engages the valuation process when seeking to attract capital sources and particularly when harvesting the business. Various types of venture harvest strategies are also explored. (Sp)   |
| ENT     | 4913   | Growth Strategies for Small and Family Businesses | Prerequisite: Students must be approved for degree candidacy by Price College, all 3000-level Business core courses. Growth strategies for small and family businesses will focus on a number of issues that must be addressed as a small company seeks growth. Focuses on growth processes and systems; attracting the right people; managing cash-flow; shareholder decision-making; financial and market-driven options for long-run competitiveness, organizational structures, and management team issues; strategic planning from a resource-based perspective; transition planning for the corporate entity, family dynamics and communication issues; and leadership empowerment. Presents both a theoretical framework for understanding and a practice perspective on working for or consulting to small/family firms and/or working as a family member in the small/family business. (F, Sp) |
| ENT     | 4960   | Directed Readings                                 | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| ENT     | 4970   | Special Topics/Seminar                            | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| ENT     | 4990   | Independent Study                                 | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| ENT     | 5102   | Entrepreneurship & Innovation                     | Prerequisite: graduate standing and admitted to the MBA program or permission of instructor. Innovation & Entrepreneurship offers MBA candidates the opportunity to understand how starting your own business can alter your life's path. The course offers an overview of the concepts and tools of entrepreneurship involving 1) finding or creating opportunities 2) critical success factors in the creation of new ventures and 3) the significance of entrepreneurship for economic development. (Irreg.)   |
| ENT     | 5902   | The Entrepreneurial Process                       | Prerequisite: graduate standing and Management 5702. The entrepreneurial process course rigorously explores the four distinct phases of an entrepreneurial business-opportunity identification; gathering the resources and launch; managing entrepreneurial growth; and harvesting the rewards-with a special emphasis on ethics, morality and life planning skills. The entrepreneurial process is a course designed for students who are committed to: Learning the practical skills, habits, and judgment required to make money; learning to ask the right questions, analyze the right numbers and clearly defend their ideas; learning how to live a "Life of Meaning" so they can make a difference in the world. (Irreg.)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ENT     | 5912   | Capitalizing the New Venture                    | Prerequisite: graduate standing in Business. This course will cover various aspects of financing entrepreneurial ventures. Topics will include methods of financing, financials, techniques for valuing new businesses and financial structure. Funding sources examined will include commercial banks, small business investment companies SBIC, Business Angels, IPO, Series A & B & C financing, acquisitions, LBO, and venture capital companies. These processes are often referred to as sourcing, diligence and valuation. Concepts are illustrated through Harvard Business School, Babson College, and Stanford Cases, supplemented by notes and readings. (Irreg.)  |
| ENT     | 5922   | Entrepreneurial Intellectual Property           | Prerequisite: graduate standing and 5912. A practicum course that provides students with opportunities to apply concepts mastered in previous business courses. The University of Oklahoma is a leading research institution. Many of the patented ideas/technology that come from engineering, chemistry, biology, the Health Sciences Center, etc. need analysis. What is the technology application? Is it enough for a business, a product line, or an add-on to an existing product? The student will answer those questions. (Irreg.)   |
| ENT     | 5931   | Strategic Venture Development I                 | Prerequisite: Graduate standing the Price College. Entrepreneurship is about the identification and enactment of entrepreneurial opportunities. This class is about learning how to pursue entrepreneurial opportunity, particularly as it relates to starting a new venture. Thus, this course focuses on the development of entrepreneurial opportunities and determining the feasibility of these opportunities in today's business environment. The mastery of concepts covered in this course will lead to an initial evaluation of new venture ideas and provide a foundation for subsequent courses in the major. This course represents an early step in preparing students to start and manage an entrepreneurial venture. (F) |
| ENT     | 5932   | Strategic Venture Development II                | Prerequisite: graduate standing and 5931. This course is designed to teach the student to think, evaluate and prepare a written business plan for a entrepreneurial venture. The entrepreneurial process of developing and launching an entrepreneurial venture is one of the most exciting activities undertaken in business. Creating a business plan can be exhilarating, challenging, and at times frustrating. This course will help students develop a comprehensive strategy and plan for launching and growing a new business. (Irreg.)   |
| ENT     | 5934   | Strategic Venture Development                   | Prerequisite: graduate standing in Price College of Business. Entrepreneurship is about the identification and enactment of entrepreneurial opportunities. This class is about evaluation of technology and commercialization, opportunity feasibility analysis, initial industry and market analysis, designing and writing a quality business plan, full industry and market analysis, development of sales and distribution structures, resources and financial capital requirements, selling a venture concept to potential investors, oral presentation skills, and compete in business plan competitions. (Irreg.)  |
| ENT     | 5941   | Early Stage Venture Investing and Management I  | Prerequisites: graduate standing, majors only, department/instructor permission. Combined classroom and experiential course. Through rigorous classroom lecture and case study, students will learn not only the history and current status of the venture capital industry, but also the process by which investments are made. This process includes not only deal identification and due diligence, but also negotiation, execution and management. (Sp)   |
| ENT     | 5942   | Launching the New Venture                       | Prerequisite: graduate standing in Business. This class deals with the issues entrepreneurs might face during the launch phase of their new venture and/or new product. The case-based curriculum teaches students the critical questions that must be answered in order to turn products and ideas into sales and revenue. Issues to be covered are opportunity identification, manufacturing, pricing, market segmentation, advertising, promotions, public relations, branding, sales, negotiations, channels, service, franchising, competition, and strategy. (Irreg.)   |
| ENT     | 5951   | Early Stage Venture Investing and Management II | Prerequisites: graduate standing, majors only, department permission, ENT 5941. Continuation of ENT 5941. Students will continue to learn about the history and current status of the venture capital industry, and the process by which investments are made. This course will utilize lectures and case studies. (F)  |

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| Subject | Number | Title                                   | Course Description   |
|---------|--------|---|--|
| ENT     | 5952   | Entrepreneurial Opportunity Recognition | Prerequisite: graduate standing. This course focuses on the identification of a market need (customer pain) and the process entrepreneurs can use to determine if there is a potential solution (product or service) that could meet that customer need. Students will study the four elements that create a potentially viable business opportunity, evaluate case studies based on business plans created by other students and entrepreneurs for new ventures, and work in small teams to identify and present a new venture idea. The mastery of concepts covered in this course provides a good foundation for subsequent courses. This course also represents an early step in preparing students to consider starting and managing a new business venture. The course is relevant for those who want to become corporate innovators or entrepreneurs, those who want to help an existing firm (small or large) develop innovative new products or services, or those who want to go into a business servicing entrepreneurial venture such as a bank or accounting firm. (Irreg.) |
| ENT     | 5960   | Directed Readings                       | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| ENT     | 5962   | Foundations in Social Entrepreneurship  | Prerequisites: MBA students only. This course introduces students to social entrepreneurship, characteristics of social entrepreneurs and some of the practices associated with starting and growing mission-driven ventures. Social entrepreneurial ventures aim to achieve a double or even triple bottom line with meaningful social and/or environmental returns as well as sustainable financial returns through products, services or other business practices. Solutions to education, health care, the environment, workforce development, international development, and other large societal issues that have traditionally been addressed through non-profit organizations or government initiatives are now being addressed through social entrepreneurial ventures. The focus in this course will be on for-profit ventures. (Irreg)  |
| ENT     | 5970   | Special Topics/Seminar                  | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ENT     | 5972   | Entrepreneurial Innovation              | Prerequisite: graduate standing, majors only. Designed to teach students how to innovate in high velocity environments, using projects in conjunction with texts and case studies. Students will develop skill sets designed to frame opportunities, validate the customer value proposition, develop go-to-market strategies, and develop a business model. (Sp)  |
| ENT     | 5982   | Entrepreneurial Strategies              | Prerequisites: graduate standing, majors only. An entrepreneurial case study based on a world class company's entrepreneurial journey, cultural transformation, and unique implementation of alternative leadership paradigms. The course will challenge many current business practices and help students develop frameworks for entrepreneurial strategies. (Sp)   |
| ENT     | 5990   | Independent Study                       | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| ENT     | 5992   | Entrepreneurial Growth Strategies       | Prerequisites: graduate standing, majors only. Focuses on growth processes and systems, attracting the right people, managing cash-flow, shareholder decision-making; financial and market-driven options for long-run competitiveness, organizational structures, and management team issues; strategic planning from a resource-based perspective; transition planning for the corporate entity, family dynamics and communication issues; and leadership empowerment. (F)   |
| ENT     | 5999   | Graduate Level Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |



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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| ENT     | 6970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| EPHY    | 1999   | Lower Division Transfer Credit | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| EPHY    | 2281   | Engineering Co-Op Program      | (Crosslisted with AME, CH E, CEES, C S, ECE, ENGR, G E, I E, P E 2281) Prerequisite: student participation in the program. The Co-Op program provides student placement in jobs outside the University, but in a position related to the student's major. On completion of a semester work period, the student submits a brief written report. One hour of credit (elective) granted for each work period, with a maximum credit of six hours. (F, Sp, Su)                    |
| EPHY    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| EPHY    | 3960   | Honors Reading                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| EPHY    | 3980   | Honors Research                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work on a special project in the student's field. (F, Sp, Su)  |
| EPHY    | 3990   | Independent Study              | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| EPHY    | 3999   | Upper Division Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| EPHY    | 4232   | Laboratory Glassblowing        | (Crosslisted with CHEM 4232) Prerequisite: permission. Discussion of materials and techniques with demonstrations of procedures. Exercises will be performed in the laboratory with special emphasis upon the different types of seals required in the construction of glass apparatus. One hour of lecture and three hours of laboratory will be scheduled each week. Laboratory (F, Sp)   |
| EPHY    | 4960   | Directed Readings              | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| EPHY    | 4970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| EPHY    | 4990   | Special Studies                | 1 to 3 hours. Prerequisite: Physics 2424 or 2524, integral calculus, permission. May be repeated with change of subject matter; maximum credit six hours. (F, Sp, Su)   |
| EPHY    | 5960   | Directed Readings              | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| EPHY    | 5970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| EPHY    | 5980   | Research for Master's Thesis                              | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| EPHY    | 5990   | Special Problems  | Prerequisite: permission. May be repeated with change of subject matter; maximum credit four hours for the master's degree, or 10 hours for the doctoral degree. (F, Sp, Su)  |
| EPHY    | 5999   | Graduate Level Transfer Credit                            | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| EPHY    | 6960   | Directed Readings   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| EPHY    | 6980   | Research for Doctoral Dissertation                        | (F, Sp, Su)   |
| EPHY    | 6990   | Independent Study   | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| EUPH    | 1999   | Lower Division Transfer Credit                            | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| EUPH    | 2000   | Freshman and/or Sophomore Secondary Euphonium             | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| EUPH    | 2020   | Euphonium for Music Majors: Freshman/Sophomore            | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| EUPH    | 3440   | Mentored Research Experience                              | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| EUPH    | 3999   | Upper Division Transfer Credit                            | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| EUPH    | 4000   | Junior and/or Senior Secondary Euphonium                  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| EUPH    | 4020   | Euphonium for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: Majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| EUPH    | 5000   | Master's-Level Secondary Euphonium                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| EUPH    | 5010   | Master's-Level Euphonium for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| EUPH    | 5020   | Master's-Level Euphonium for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| EUPH    | 5999   | Graduate Level Transfer Credit                      | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| EUPH    | 6000   | Doctoral Secondary Euphonium                        | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| EUPH    | 6010   | Doctoral Euphonium for Non-Performance Music Majors | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| EUPH    | 6020   | Doctoral Euphonium for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| EXPO    | 1113   | Principles of Expository Writing                    | Prerequisite: ACT English 19 or ACT English (CICS) 19 or Undergraduate level ENGL 0113 Minimum Grade of D or Compass English 085 or Compass Writing Placement C or SAT Verbal 450 or SAT Verbal (CICS) 450. An introduction to the basic genres and methodologies of academic writing, with an emphasis on argumentation and audience analysis. (F, Sp) [I-ENGL].   |
| EXPO    | 1213   | Expository Writing                                  | Prerequisite: ENGL 1113, EXPO 1113 or faculty permission. Students will study and practice the craft of writing through four series of sequenced writing assignments that are attuned to selected readings in the topic around which the course is organized. (Each section explores a particular topic area). Entering freshmen who have been exempted from the requirement of a 1200-level writing course may sign up for EXPO 1223, which signifies that the student will receive lower division western civilization and culture credit. (F, Sp) [I-ENGL]       |
| EXPO    | 1223   | Expository Writing                                  | Prerequisite: ENGL 1113 or equivalent or faculty permission. Students will study and practice the craft of writing through four series of sequenced writing assignments that are attuned to selected readings in the topic around which the course is organized. (Each section explores a particular topic area). This course is for entering freshmen who have been exempted from the requirement of a 1200-level writing course. This course code signifies that the student will receive lower division western civilization and culture credit. (F, Sp) [IV-WC] |
| EXPO    | 1999   | Lower Division Transfer Credit                      | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| EXPO    | 3103   | Advanced Expository Writing                         | Prerequisite: ENGL or EXPO 1213 and sophomore standing. May be repeated with change of content; maximum credit six hours. Students will learn academic and professional writing techniques such as advanced research methodologies, multimedia/multimodal writing, collaborative writing, writing for the web, and practice in various academic and professional genres. All readings and assignments will be organized around a central theme determined by the instructor. (Irreg.)   |
| EXPO    | 3440   | Mentored Research Experience                        | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| EXPO    | 3999   | Upper Division Transfer Credit                      | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| EXPO    | 4980   | Independent Research           | 1 to 3 hours. Prerequisite: ENGL 1213, sophomore standing, and permission of department. May be repeated with change of content; maximum credit six hours. An upper-division course used by students to complete independent research projects of their own design under the guidance of Expository Writing faculty. (F, Sp)  |
| EXPO    | 5999   | Graduate Level Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| F A     | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| F A     | 3970   | Honors Seminar                 | 1 to 3 hours. Prerequisite: admission to Honors Program, junior or senior standing. May be repeated with change of subject; maximum credit six hours. The projects covered will vary. The content will deal with concepts not usually presented in regular coursework. (Irreg.)   |
| F A     | 3990   | Independent Study              | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| F A     | 4960   | Directed Readings              | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| F A     | 4970   | Fine Arts Seminar              | (Slashlisted with 5970) 1 to 2 hours. Prerequisite: junior standing or permission of instructor. May be repeated; maximum credit eight hours. Content varies. Interdisciplinary seminar course for Fine Arts. Deals with concepts not usually presented in regular coursework and/or special creative situations, performance opportunities or projects. No student may earn credit for the same topic for both 4970 and 5970. (Irreg.)                                       |
| F A     | 4990   | Independent Study              | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| F A     | 5960   | Directed Readings              | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| F A     | 5970   | Fine Arts Seminar              | (Slashlisted with 4970) 1 to 2 hours. Prerequisite: graduate standing. May be repeated; maximum credit eight hours. Content varies. Interdisciplinary seminar course for Fine Arts. Deals with concepts not usually presented in regular coursework and/or special creative situations, performance opportunities or projects. No student may earn credit for the same topic for both 4970 and 5970. (Irreg.)   |
| F A     | 5990   | Independent Study              | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| FIN     | 1999   | Lower Division Transfer Credit | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| FIN     | 2970   | Special Topics/Seminar         | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| FIN     | 3133   | International Financial Management for Non-Majors | Prerequisite: Student must be approved for degree candidacy by Price College, 3303. This class will study the fundamentals of international finance including the international monetary system, the balance of payments, and the market for foreign exchange. The course examines international financial markets, and the opportunities they provide for investment and risk management. The financial instruments used for these purposes will also be emphasized including currency options, forwards, futures, and swaps as well as bonds and equities. This class is strictly for non finance majors. (F, Sp)                          |
| FIN     | 3203   | Principles of Insurance                           | Prerequisite: student must be approved for degree candidacy by Price College. The course is built to introduce students to how individuals and organizations assess and manage risk with special focus on insurance. No previous knowledge of risk management is required. The course will cover principles of risk management, insurance companies and markets, underwriting and pricing, industry structure and regulation. (F, Sp)  |
| FIN     | 3303   | Business Finance                                  | Prerequisite: Accounting 2113, 2123, and Economics 1113, 1123 and 2843. An introductory course in financial administration of the firm. Topics include the finance function, concepts of sources and uses of funds, analysis and estimation of need for funds (short- and long-term), short-term sources, working capital management policy, long-term sources, capital structure policy and implementation, capital budgeting and the cost of capital. (F, Sp, Su)  |
| FIN     | 3403   | Financial Intermediaries and Markets              | Prerequisite: Economics 1113 and 1123. Investigates the determination of the level of domestic rates of interest and their implications for international currency markets. Describes the important financial institutions in U.S. financial markets. Details the structure of interest rates. Analyzes the behavior of fixed income prices. Discusses techniques of domestic and international institutions to immunize portfolios. (F, Sp, Su)   |
| FIN     | 3440   | Mentored Research Experience                      | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| FIN     | 3453   | Financial Modeling and Analysis in Excel          | Prerequisite: Finance and Risk Management majors only; degree candidacy; FIN 3303. The application of quantitative financial concepts through extensive use of Excel. Students will become proficient in the use of Excel, will have a working knowledge of quantitative concepts used in financial modeling, and will be able to apply these skills in building and solving financial models. (F, Sp)   |
| FIN     | 3503   | Investments                                       | Prerequisite: Student must be approved for Degree Candidacy by Price College, FIN 3303, FIN 3703 or 3453, or concurrent enrollment in FIN 3453; graduate students: permission of CBA Graduate Programs. Topics covered include the structure and operation of securities markets, introduction to portfolio management and capital market theory, the valuation of common stocks and fundamental analysis, determinants of option prices, the determinants of future prices, portfolio performance measurement and risk management, international portfolio management and international investing. Computer exercises are required. (F, Sp) |
| FIN     | 3513   | Entrepreneurial Finance                           | Prerequisite: student must be approved for degree candidacy by Price College, ENT 3113 or concurrent enrollment, FIN 3303 or concurrent enrollment. Not open to Finance majors. Covers various aspects of financing entrepreneurial ventures. Topics will include methods of financing, techniques for valuing new businesses and financial structure. Funding sources examined will include commercial banks, small business investment companies, SBIC, business angles and venture capital companies. These processes are often referred to as sourcing, diligence and valuation. (Irreg.)  |

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| Subject | Number | Title                              | Course Description  |
|---------|--------|------------------------------------|---|
| FIN     | 3603   | Advanced Corporate Finance         | Prerequisite: student must be approved for degree candidacy by Price College and FIN 3303. Development of theory and applications of financial management of the firm with both domestic and international investment decisions, structure and cost of capital, working capital management, dividend policy, long term financial planning and forecasting. The course emphasizes the development of problem solving skills and the use of computerized financial modeling. (F, Sp)  |
| FIN     | 3960   | Honors Reading                     | 1 to 3 hours. Prerequisite: admission to Honors Program and approval for Degree Candidacy by Price College. May be repeated; maximum credit three hours. Provides an opportunity for the gifted Honors candidate to study materials not usually presented in regular courses. (F, Sp, Su)   |
| FIN     | 3970   | Honors Seminar                     | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| FIN     | 3980   | Honors Research                    | 1 to 3 hours. Prerequisite: admission to Honors Program; junior standing. May be repeated; maximum credit six hours. Independent research on special projects. (F, Sp, Su)  |
| FIN     | 3990   | Independent Study                  | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| FIN     | 3999   | Upper Division Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| FIN     | 4113   | Derivative Securities and Markets  | (Slashlisted with 5113) Prerequisite: FIN 3503, completion of 3000-level business core. Uses of futures, option, and swap contracts in investments, banking, business finance, and foreign trade. Topics include valuation, trading mechanics and strategies, and applications. Hedging foreign currencies is included. The course is math and computer intensive. No student may earn credit for both 4113 and 5113. (F, Sp)   |
| FIN     | 4133   | International Financial Management | Prerequisite: Student must be approved for degree candidacy by Price College, all 3000-level Business core courses, 3103. Provides the student with the analytical tools needed to evaluate and provide solutions for problems that are commonly encountered in international financial management. Emphasizes basic theoretical models of exchange rate determination and hedging exchange rate risk, international financial transactions, the link between a nation's macroeconomic accounts and its balance of payments accounts, privatization of state-owned enterprises, and international banking. (Irreg.) |
| FIN     | 4403   | Advanced Topics in Investments     | Prerequisite: student must be approved for degree candidacy by Price College, FIN 3103, and all 3000-level business core courses. An advanced course providing in-depth analysis of portfolio management and strategic asset allocation; fund performance measurement; coverage of alternative investments (such as real estate, private equity and venture capital); analyzes activities of hedge funds, closely-held companies and inactively traded securities; discusses investing in financially distressed firms; and covers investing in commodities. (F, Sp)  |
| FIN     | 4413   | Commercial Banking                 | Prerequisite: 3303 and 3403. Financial management of the banking firm including analysis of bank financial performance, bond portfolio analysis, interest rate risk management, capital management, cost of funds, and loan administration. Regulation of the banking system is discussed as is competition from foreign banks. A computerized bank simulation game is used and international aspects of financial markets are discussed. (F, Sp)   |
| FIN     | 4513   | Financial Risk Management          | Prerequisite: student must be approved for degree candidacy by Price College, all 3000-level business core, and FIN 3503. Emphasizes financial and commodity derivative securities and their use as risk management tools. Emphasis on the commodity side is given to energy related products. A financial market simulator will be used to develop students' trading and valuation skills. (Sp)  |

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| Subject | Number | Title                               | Course Description   |
|---------|--------|-------------------------------------|--|
| FIN     | 4533   | Corporate Risk Management           | Prerequisite: student must be approved for degree candidacy by Price College, all 3000-level Business core courses, FIN 4113 and FIN 4513. The second course in the sequence of two courses. Builds on the content of Derivatives and Financial Risk Management to explore in-depth the areas of risk and credit derivatives, corporate hedging with derivatives, Enterprise Risk Management, risk monitoring and validation. Discusses hedge fund strategies and risk management issues for hedge funds and private equity. (F, Sp)   |
| FIN     | 4543   | Financial Trading Strategies        | Prerequisite: FIN 3103; MGT 3013; MKT 3013; LS 3323; FIN 3303; senior standing. Focus is on practical application of theoretical models of pricing and valuation in finance. In addition to learning about trading in general (market structure, trading mechanics, and trading environment and regulation), students will also learn to trade based on their knowledge of various topics: asset allocation, equity valuation, mergers and acquisitions, fixed income valuation and risk, and derivative securities. While theoretical review of each topic will be done, an equal amount of time will be spent in the computer lab actually trading equities, bonds, and derivatives either to achieve an investment goal, or to make maximum profit, or to hedge risk, or to minimize trading costs. (F, Sp) |
| FIN     | 4613   | Student Investment Fund             | (Slashlisted with 5613) Prerequisite: completion of 3000-level Business core, FIN 3503. The management of a real dollar portfolio of common stocks using the value style approach. Emphasis is on the application of fundamental analysis. Frequent class presentations are required. No student may earn credit for both 4613 and 5613. (F, Sp)   |
| FIN     | 4700   | Internship in Finance               | 1 to 3 hours. Prerequisite: 3303 and permission of division. Academic projects in the business world applied to practical on-the-job situations. (F, Su)   |
| FIN     | 4713   | Fixed Income Securities and Markets | (Slashlisted with 5713) Prerequisite: student must be approved for degree candidacy by Price College, all 3000-level business core, FIN 3503. Students are involved in the management of a fixed income (bond) portfolio. Emphasis is given to the analytics of fixed income security valuation, and the analysis of investment opportunities. No student may earn credit for both 4713 and 5713. (F)  |
| FIN     | 4960   | Directed Readings                   | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| FIN     | 4970   | Special Topics/Seminar              | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| FIN     | 4990   | Special Studies                     | 1 to 3 hours. Prerequisite: permission, three or more courses in finance as determined by the nature of the program of study selected. The only passing grade given is the neutral grade of S. (F, Sp, Su)   |
| FIN     | 5103   | Investments                         | Prerequisite: Permission (Director, CBA Graduate Programs). Topics covered include the structure and operation of securities markets, introduction to portfolio management and capital market theory, the valuation of common stocks and fundamental analysis, determinants of option prices, the determinants of future prices, portfolio performance measurement and risk management, international portfolio management and international investing. Computer exercises are required. (F, Sp)   |
| FIN     | 5113   | Derivative Securities and Markets   | (Slashlisted with 4113) Prerequisite: 5043 or Business Administration 5283. Uses of futures, option, and swap contracts in investments, banking, business finance, and foreign trade. Topics include valuation, trading mechanics and strategies, and applications. Hedging foreign currencies is included. The course is math and computer intensive. No student may earn credit for both 4113 and 5113. (Sp)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| FIN     | 5162   | Energy Assets and Commodities: Financial Instruments, Pricing and Trading | Prerequisite: Graduate standing in Price College of Business and FIN 5322. Corequisite: B AD 5142. Provides a comprehensive and in-depth review of the market for energy assets and commodities: including trading platforms, pricing issues, forecasting, role and linkage with associated futures, forwards and options contracts, study of "basis" and spreads, and hedging strategies. The course will be anchored solidly within a theoretical conceptual framework and be supported with relevant case studies. (F)  |
| FIN     | 5202   | Energy Corporate Finance  | Prerequisite: Graduate standing in Price College of Business, 5312 and 5322. Provides students specialized knowledge of the corporate finance of firms in the energy sector. Provides an integrated perspective on assessing and financing energy projects, corporate risk management in the energy industry, and issues pertaining to mergers, acquisitions and restructuring in energy firms. While the course will be rigorous and solidly grounded in theoretical concepts, it will provide a thoroughly applied perspective on topics covered by the use of case studies and other hands-on learning opportunities. (Irreg.)  |
| FIN     | 5302   | Financial Markets and Securities  | Prerequisite: ACCT 5202 and graduate standing. The aim of this course is to provide a strong foundation for an understanding of financial markets and the main types of securities traded in these markets. The topics covered in the course include trading structure, present value calculations, risk and return, portfolio theory, asset pricing models, market efficiency and an introduction to the nature and valuation of equities, bonds, futures, and options. The course will strike a balance between the theoretical paradigms and the empirical literature, and the important links between theory and the real world. The emphasis will be both on principles and on problem solving. The lectures and examinations will focus both on quantitative and conceptual foundations. (Irreg.)  |
| FIN     | 5303   | Advanced Corporate Finance  | Prerequisite: graduate standing and permission of department. Development of theory and applications of financial management of the firm with both domestic and international investment decisions, structure and cost of capital, working capital management, dividend policy, and long term financial planning and forecasting. The course emphasizes the development of problem-solving skills and the use of computerized financial modeling. (Irreg.)   |
| FIN     | 5312   | Corporate Finance   | Prerequisite: graduate standing and 5302. This course aims to provide students with the basic analytical and conceptual skills required in the modern practice of corporate financial management. Students enrolled in this class will already have been exposed to the concepts of risk and return, the determination of financial security prices, and models useful in predicting the required returns demanded by investors. In addition, students enrolled in this class will already have been exposed to the fundamentals of financial statements and the analysis of such statements. The course will focus on three key areas of financial management: (1) the optimal allocation of capital; (2) the optimal choices for raising capital; (3) the optimal management of risk in conjunction with (1) and (2). The course includes application of finance theory to solving real business problems, and emphasizes the importance of technology and globalization to the modern practice of finance. (Irreg.) |
| FIN     | 5322   | Derivative Securities and Markets   | Prerequisite: graduate standing and 5302. Derivative securities, such as futures, forwards, option, and swaps are studied and analyzed along with their uses in investments, banking, portfolio management, and risk management by non-financial businesses. We will study how futures, swap, and option contracts are constructed, how they are valued and how they are used for speculation, hedging, and risk management. Particular attention is paid to energy derivatives and especially natural gas derivatives. (Irreg.)   |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| FIN     | 5332   | Risk Management and Financial Engineering        | Prerequisite: graduate standing, FIN 5322. Sequel to 5322. Emphasis is on applications, risk measurement and management (including risk management using derivatives) and using option modeling in firm decision making. The four main topic areas (in order covered) are: (1) derivatives and financial engineering (continuation of 5322), (2) real options, (3) measuring and managing risk, and (4) examination of corporate failures attributable to derivatives. As in 5322, particular attention is paid to the energy industry and especially the natural gas industry. (Irreg.)  |
| FIN     | 5342   | Advanced Corporate Finance                       | Prerequisite: graduate standing and 5312. This course is intended for students aspiring to careers in financial management in corporations, banks and other financial institutions. It is designed to strengthen the corporate finance framework developed in 5312 (Corporate Finance) and extend it into the realm of real world applications. The course will cover a broad range of topics that are relevant to the corporate financial management function, including advanced capital project evaluation, financing, dividends and other corporate financial decisions, corporate risk management, and mergers, acquisitions and corporate restructuring. While the course will be rigorous and solidly grounded in the conceptual aspects of corporate finance, including current research. The course will provide a thoroughly applied perspective on the topics covered. (Irreg.)  |
| FIN     | 5352   | International Financial Management               | Prerequisite: graduate standing, 5302 and 5312. This course will provide an integrated perspective on the topics of foreign currency and exchange rates, international financial linkages, international financial markets, and investment, financing and risk management in a global context. The first half of the course develops the analytical framework required for understanding the interactions between exchange rates, and cross-border trade and capital flows, inflation, interest rates, economic growth, and government policy. This framework will be used to study exchange rate systems and policies, and their implications, especially in the context of recent exchange rate developments. Related topics such exchange rate determination and forecasting will also be discussed. The second half of the course examines international financial markets, and the opportunities they present for achieving risk management, financing, and investment objectives. The principal focus will be on financial instruments used for these purposes in international financial markets. (Irreg.) |
| FIN     | 5362   | Fixed Income Fund Management                     | Prerequisite: graduate standing, FIN 5302. Develops an intellectual and practical understanding of the principles governing the valuation of fixed income securities and their derivatives, the main problems and issues relevant in the management of interest rate risk, and the organization and structure of debt markets, all from the perspective of fixed income fund management. The course is at the cutting edge of both theory and practice. Students in the class also manage a \$5 million fixed income fund, thanks to an educational project of the Bank of Oklahoma. This sum is invested in accordance with the recommendations of this class. (Irreg.)  |
| FIN     | 5372   | Mergers & Acquisitions & Corporate Restructuring | Prerequisites: departmental permission; graduate standing. The course deals with acquiring or disposing of corporate assets (taking into consideration legal issues, accounting and tax and how they affect the outcome of M&A transactions). Topics include (i) valuation of assets being sold/purchased by corporations, (ii) economic motivations for mergers & acquisitions, (iii) structuring of the transactions, (iv) deal tactics/ strategies, (v) leveraged buyouts, and (vi) corporate restructuring. (Irreg.)  |
| FIN     | 5382   | MBA Financial Modeling                           | Prerequisites: Departmental permission; graduate standing. The application of quantitative concepts in financial modeling using Excel. Students will become proficient in Excel and will be able to use it in building financial models. In addition, students will have a working knowledge of quantitative concepts such as corporate valuation, portfolio theory, and Monte Carlo methods. (Irreg.)  |
| FIN     | 5613   | Student Investment Fund                          | (Slashlisted with 4613) Prerequisite: graduate standing and by permission. The management of a real dollar portfolio of common stocks using the value style approach. Emphasis is on the application of fundamental analysis. Frequent class presentations are required. No student may earn credit for both 4613 and 5613. (F, Sp)   |

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| Subject | Number | Title                               | Course Description  |
|---------|--------|-------------------------------------|---|
| FIN     | 5713   | Fixed Income Securities and Markets | (Slashlisted with 4713) Prerequisite: FIN 5043 or B AD 5283. Students are involved in the management of a fixed income (bond) portfolio. Emphasis is given to the analytics of fixed income security valuation, and the analysis of investment opportunities. No student may earn credit for both 4713 and 5713. (F)  |
| FIN     | 5960   | Directed Readings                   | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| FIN     | 5970   | Special Topics in Finance           | Prerequisite: 5043 or Business Administration 5283. May be repeated; maximum credit six hours. Special topics in finance of interest to students in the MBA program. (F, Sp, Su)  |
| FIN     | 5990   | Directed Readings in Finance        | Prerequisite: 5043 or Business Administration 5283. May be repeated; maximum credit six hours. Individual graduate study of a specific narrow topic not offered in the current curriculum. (F, Sp, Su)  |
| FIN     | 5999   | Graduate Level Transfer Credit      | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| FIN     | 6602   | Finance Research Seminar            | Prerequisite: Graduate Standing. Students read, dissect, analyze, and discuss the finance research workshop papers and the relevant literature. The focus is on learning to do financial research by closely studying, analyzing and critiquing what the authors have done (and not done) and why. (F, Sp)  |
| FIN     | 6603   | Introduction to Finance Theory      | Prerequisite: graduate standing and permission. Topics include decision making under uncertainty, portfolio theory, models of asset pricing, efficient markets, option pricing, capital structure and agency theory. (Irreg.)   |
| FIN     | 6803   | Corporate Finance Theory            | Prerequisite: 6603 and Economics 5213. Topics include complete and incomplete markets, capital structure theory, agency theory, property rights, dividend policy, signaling models, corporate control issues, mergers and acquisitions. (Irreg.)  |
| FIN     | 6903   | Financial Markets and Institutions  | Prerequisite: 6603 and Economics 5213. Topics include the term and risk structure of interest rates, debt pricing, financial contracting, information economics, duration and immunization, futures and options. (Irreg.)   |
| FIN     | 6960   | Directed Readings in Finance        | 1 to 3 hours. Prerequisite: 12 hours in finance and/or specifically related subjects, graduate standing, and permission of instructor. May be repeated with change of topic; maximum credit nine hours. Directed readings in various lines of specialization in finance. Conducted on a conference basis by the staff. Scope of reading and credit to be arranged on entry into the course. (F, Sp, Su)   |
| FIN     | 6970   | Special Topics/Seminar              | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| FIN     | 6973   | Seminar                             | Prerequisite: 12 hours of finance and/or economics, graduate standing, permission. May be repeated with change of topic; maximum credit nine hours. Seminar in latest developments in research and theory from one of the following general areas of the finance field: business finance, capital markets, insurance, investments, money and banking, public finance, real estate. A specific topic is announced for each time of offering. (F, Sp) |
| FIN     | 6980   | Research for Doctoral Dissertation  | (F, Sp, Su)   |
| FIN     | 6990   | Independent Study                   | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| FLUT    | 1999   | Lower Division Transfer Credit      | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| FLUT    | 2000   | Freshman and/or Sophomore Secondary Flute             | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| FLUT    | 2020   | Flute for Music Majors: Freshman/Sophomore            | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| FLUT    | 3440   | Mentored Research Experience                          | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| FLUT    | 3999   | Upper Division Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| FLUT    | 4000   | Junior and/or Senior Secondary Flute                  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| FLUT    | 4020   | Flute for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: Majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| FLUT    | 5000   | Master's-Level Secondary Flute                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| FLUT    | 5010   | Master's-Level Flute for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| FLUT    | 5020   | Master's-Level Flute for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| FLUT    | 5999   | Graduate Level Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| FLUT    | 6000   | Doctoral Secondary Flute                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| FLUT    | 6010   | Doctoral Flute for Non-Performance Music Majors       | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| FLUT    | 6020   | Doctoral Flute for Performance Majors                 | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| FMS     | 1013   | Introduction to Film and Media Studies                | An examination of the history, role, impact, nature and delivery systems of film and media in the United States and the international community. (F, Sp, Su) [IV-AF]  |

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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| FMS     | 1113   | Introduction to New Media               | Provides students with an overview of new media studies, focusing on digital culture and computerized technology. Focuses on issues including convergence, the blurring of producer and consumer, and social aspects of media. (F, Sp) [III-SS]   |
| FMS     | 1123   | History of Video Games                  | Presents the history of video games as an expressive and artistic medium. Focuses on the technological, cultural, and economic factors that influence game production and reception. (F, Sp) [IV-AF]  |
| FMS     | 1999   | Lower Division Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| FMS     | 2013   | Film and Media History to 1960          | Prerequisite: FMS 1013. Survey of world film and media history from the origins of cinema through 1960, including silent cinema, the transition to sound, classical Hollywood and important international film movements. Emphasizes an understanding of cinema in aesthetic, technological, economic and social terms. (F)   |
| FMS     | 2023   | Film and Media History: 1960 to Present | Prerequisite: FMS 1013. Survey of Hollywood, independent and world film and media since 1960, including various new cinema movements, New Hollywood, media conglomeration and globalization. Emphasizes an understanding of the aesthetic, economic and social dimensions of film and media at the end of the twentieth and the beginning of the twenty-first centuries. (Sp) |
| FMS     | 2033   | Writing About Film                      | Prerequisite: 1013, English 1213 or Expository Writing 1213. This course teaches specialized writing skills for writing about film. Topics covered will include the vocabulary of film writing, basic cinema research skills and techniques to write for academic and general audiences. (F, Sp)  |
| FMS     | 2123   | Acting for the Camera                   | Prerequisite: 2033. Covers the requirements, techniques and discipline of working on camera for film and/or television as a professional actor. (F, Sp)   |
| FMS     | 2970   | Special Topics/Seminar                  | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |
| FMS     | 3213   | Media Theories & Methodologies          | Prerequisite: 2013 or 2023. Familiarize students with classical film theory that evolved during the early days of cinema up through contemporary film and media theory, as a foundation for understanding and analyzing the way media shape and reflect culture. (F, Sp)  |
| FMS     | 3223   | Topics in Film Genre                    | Prerequisite: 1013. May be repeated once with different genres; maximum credit six hours. Offers students a systematic in-depth study of one or two specific genres such as westerns, romantic comedy, horror, film noir, and melodrama. (Irreg.)   |
| FMS     | 3233   | Filmmakers up Close                     | Prerequisite: 1013. May be repeated once with change of filmmakers; maximum credit six hours. An in-depth study of one or two filmmakers through the study of their films. Filmmakers include directors, screenwriters, actors, and others who have a significant role in making movies. (Irreg.)   |
| FMS     | 3243   | Hispanic Cinema                         | Prerequisite: 1013. Analytical study of exemplary motion pictures from the Hispanic world: Spain, Mexico, Cuba, Brazil, and Argentina. (Irreg.) [IV-AF]   |
| FMS     | 3313   | Digital Cinema Production               | Prerequisite: FMS 2033. Film and media production with narrative structure. Students will learn to handle equipment and edit in-camera. (F, Sp)   |
| FMS     | 3323   | Editing: History, Theory, Practice      | Prerequisite: FMS 1013. Combines the history, theory, and practice of digital editing in a narrative context. Explores early experimentation in film editing, the evolution of equipment and techniques, major montage/ editing theories, and famous editors, while also providing hands-on shooting and editing experience. (Irreg.)   |
| FMS     | 3413   | Asian Cinema                            | Prerequisite: 1013. A survey of major Asian films, exploring aesthetic and narrative traditions from Japan, China, and India as its major concern. Films from other Asian cultures will be offered as availability permits. Students will refine critical, written and verbal skills. (Irreg.)  |

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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| FMS     | 3440   | Mentored Research Experience              | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| FMS     | 3513   | Children's Cinema                         | Prerequisite: 1013. Examines recurring archetypal narratives, figures, and visual grammar of children's film throughout film history as well as analyzes film production strategies and values in a variety of sub-genres. Looks critically at how film narratives currently address audiences of children and how they have done so historically. (Irreg.) [IV-AF]   |
| FMS     | 3683   | Social Issues and Film                    | Prerequisite: 1013. Analytical study of films that engage one or more social issues such as race relations, gender roles, class conflict, nationalism and imperialism. Focus will be on their various aesthetic approaches such as social realism, anti-realist techniques, and satire. (Irreg.) [IV-AF]  |
| FMS     | 3703   | Topics in Film and Media Production       | Prerequisite: FMS 1013. May be repeated once with change of content; maximum credit six hours. An in-depth critical and applied study of a particular type of production, with topics such as Advanced Single-Camera Production, Aesthetics and Practice of the Short Film, and Making the Feature Film. (Irreg.)   |
| FMS     | 3713   | Topics in Writing for the Screen          | Prerequisite: FMS 1013. May be repeated once with change of content; maximum credit six hours. An in-depth critical and applied study of a particular screenwriting topic such as "Writing for Television," "Writing the Short Film," and "Advanced Screenwriting." (Irreg.)  |
| FMS     | 3800   | Internship                                | 1 to 4 hours. Prerequisite: FMS 1013, junior standing, and permission of instructor. May be repeated with change of internship; maximum credit four hours. Participation in supervised internship with submission of journals describing work performed, regular reports, on-site supervisor evaluation, assigned readings, and final assessment of experience. (F, Sp, Su)   |
| FMS     | 3801   | Career Planning in Film and Media Studies | Prerequisite: FMS 1013. Designed to help students professionalize themselves by gaining general career skills (developing a resume, interviewing skills), information specific to careers in film and media (on-set etiquette and performance expectations), and introductions to industry professionals (through guest lectures and informational interviews with FMS alumni). (Irreg.)  |
| FMS     | 3810   | Variable Topics                           | 1 to 3 hours. Prerequisite: 1013 or permission of instructor. May be repeated with change of content; maximum credit twelve hours. Varied projects concerning particular aspects of film and video history, genre, and methods of film or video production. (Irreg.)  |
| FMS     | 3833   | Masterpieces of World Cinema              | Prerequisite: 1013. May be repeated with change of content; maximum credit six hours. Survey of world film and the principles underlying historical and critical approaches to the cinema, emphasizing an appreciation of international cinema as an aesthetic, economic, and social factor in the twentieth century. (Irreg.)  |
| FMS     | 3843   | Topics in National Cinema                 | Prerequisite: 1013. May be repeated with change of content; maximum credit six hours. Analytical study of exemplary motion pictures in terms of major periods, themes, and formal parameters in relation to national cultural histories, such as the French New Wave, Film Noir or American silent film. (Irreg.)   |
| FMS     | 3853   | Feature Screenwriting                     | Prerequisite: 1013 and permission of instructor. An introduction to writing for the screen, including a variety of assignments leading up to developing and writing a feature screenplay. (F, Sp)   |
| FMS     | 3960   | Honors Reading (HONORS)                   | Prerequisite: 1013, permission of the Honors Program. Independent study in film and video history, theory, and production for students enrolled in the Honors Program. In-depth analysis of specialized topics. (F, Sp, Su)   |
| FMS     | 3970   | Honors Seminar                            | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| FMS     | 3980   | Honors Research (HONORS)                         | Prerequisite: 1013, permission of the Honors Program. Open only to students enrolled in the Honors Program. Individualized research with a Film and Video Studies faculty member leading toward work for the Honors thesis. In-depth research of specialized topic in film and video theory, history, or production. (F, Sp, Su)  |
| FMS     | 3990   | Independent Study                                | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| FMS     | 3999   | Upper Division Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| FMS     | 4013   | Senior Seminar in Film and Media                 | Prerequisite: 24 hours of major credit. Special problems or topics in film and media studies selected by the instructor and indicated by its particular title. Emphasis will be on the individual preparation of a research paper and/or creative project in the topic area. (F, Sp) [V]  |
| FMS     | 4960   | Directed Readings                                | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| FMS     | 4970   | Special Topics/Seminar                           | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| FMS     | 4990   | Independent Study                                | Prerequisite: 1013, permission of the instructor. Specialized study in film and video history, theory, and production, or other topic mutually agreed upon by the student and the instructor. The course enables the student to pursue in-depth analysis of special interest topics in Film and Video Studies. (F, Sp, Su)  |
| FMS     | 5999   | Graduate Level Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| FR H    | 1999   | Lower Division Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| FR H    | 2000   | Freshman and/or Sophomore Secondary French Horn  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| FR H    | 2020   | French Horn for Music Majors: Freshman/Sophomore | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| FR H    | 3440   | Mentored Research Experience                     | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| FR H    | 3999   | Upper Division Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| FR H    | 4000   | Junior and/or Senior Secondary French Horn       | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| FR H    | 4020   | French Horn for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: Majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)   |
| FR H    | 5000   | Master's-Level Secondary French Horn                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)                           |
| FR H    | 5010   | Master's-Level French Horn for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)                                  |
| FR H    | 5020   | Master's-Level French Horn for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)   |
| FR H    | 5999   | Graduate Level Transfer Credit                              | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| FR H    | 6000   | Doctoral Secondary French Horn                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)                            |
| FR H    | 6010   | Doctoral French Horn for Non-Performance Music Majors       | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)  |
| FR H    | 6020   | Doctoral French Horn for Performance Majors                 | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su) |
| FR      | 1013   | Beginning French for Reading                                | Prerequisite: graduate standing. Carries elective credit only. Designed as initial preparation for the advanced-degree reading examination. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F)  |
| FR      | 1023   | Beginning French for Reading                                | Prerequisite: 1013. Carries elective credit only. Designed as initial preparation for the advanced-degree reading examination. This course does not count for major credit in the department of modern languages, literatures and linguistics. (Sp)  |
| FR      | 1115   | Beginning French  | An elementary course in understanding, speaking, reading and writing French. Laboratory. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F, Sp, Su) [I-FL]  |
| FR      | 1225   | Beginning French (Continued)                                | Prerequisite: 1115. An elementary course in understanding, speaking, reading and writing French. Laboratory. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F, Sp, Su) [I-FL]  |
| FR      | 1999   | Lower Division Transfer Credit                              | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| FR      | 2113   | Intermediate French   | Prerequisite: 1225. The systematic cultivation of increased depth and control in the basic skills of listening, speaking, reading and writing French. Laboratory (F, Sp, Su)   |
| FR      | 2133   | French Conversation and Culture                             | Prerequisite: 1225. Conversation practice based on elementary readings in selected topics from traditional and contemporary French culture, with the objective of developing additional active vocabulary and increased oral fluency while obtaining basic concepts about the French culture. (F, Sp, Su)        |
| FR      | 2223   | Intermediate French (Continued)                             | Prerequisite: 2113. The systematic cultivation of increased depth and control in the basic skills of listening, speaking, reading and writing French. Laboratory (F, Sp, Su)   |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| FR      | 2243   | French Conversation and Literature         | Prerequisite: 2113 or 2133. Conversation practice based on modern literary texts, with the objective of improving reading speed, vocabulary and comprehension, and increased oral fluency, while obtaining an expanded appreciation of French literary texts. (F, Sp, Su)   |
| FR      | 2263   | French Culture Through Songs               | Prerequisite: 1225. Through studying and learning songs of famous interpreters like Chevalier, Piaf, Trenet, Brassens, Brel and others, This course will provide students with a unique and entertaining opportunity to perfect pronunciation, vocabulary, grammatical skills, and gain a deeper acquaintance with French high and popular culture. (F)   |
| FR      | 2970   | Special Topics                             | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |
| FR      | 3083   | Advanced French Conversation and Phonetics | Prerequisite: 2243 or concurrent enrollment. Intensive practice in speaking French on topics of everyday life; development of specialized vocabularies; fundamentals of French phonetics. (F, Sp)   |
| FR      | 3423   | Advanced French Composition                | Prerequisite: FR 2133 or FR 2243 or FR 2263. The inculcation of proper writing habits, at an advanced level, toward the achievement of idiomatic French. (Sp, Su)   |
| FR      | 3440   | Mentored Research Experience               | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| FR      | 3623   | Business French                            | Prerequisite: two years of college French or equivalent. Focuses on terms and expressions used in business settings. Designed to impart an awareness of the differences between French and American business cultures. (F)  |
| FR      | 3723   | French for the Professions                 | Prerequisite: two years of college French or equivalent. Introduces students to vocabulary in sectors such as advertising, marketing, transportation, medicine, and law. French professional and business cultures are studied. Communication skills for professional and business settings will be practiced in this course. (Sp)  |
| FR      | 3753   | French Culture Through Film                | Prerequisite: 2243 or concurrent enrollment. This course deals with contemporary French culture through the medium of cinema. Topics examined include family, education, religion and societal issues, and ethnicity. As a course taught in French, it will also focus on regional accents and generational and ethnic speech. (F)  |
| FR      | 3853   | Introduction to Literary Analysis          | Prerequisite: 2223. Designed to introduce students to the language and technique of literary analysis. Also serves to improve reading skills generally, as well as oral/aural and written skills. Representative works from the various literary genres will be studied. (Sp, Su)   |
| FR      | 3960   | Honors Reading                             | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers materials not usually presented in the regular courses. (F, Sp)   |
| FR      | 3980   | Honors Research                            | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F)  |
| FR      | 3990   | Independent Study                          | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| FR      | 3999   | Upper Division Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |



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| Subject | Number | Title                                       | Course Description  |
|---------|--------|---|---|
| FR      | 4153   | Survey of French Literature to 1800         | Reading and discussion of major French works and their background from the Middle Ages to the French Revolution. (F, Su)  |
| FR      | 4163   | Survey of French Literature (Continued)     | Prerequisite: 4153 or permission. Reading and discussion of major French works and their background from 1800 to the present day. (Sp, Su)  |
| FR      | 4313   | From Lascaux to la Terreur                  | Prerequisite: FR 3423; HIST 1223 or 1233. The political and social background of French literature from its beginning to the French revolution. (F, Su)   |
| FR      | 4323   | The Making of Modern French Culture         | Prerequisite: FR 3423; HIST 1223 or HIST 1233. The political and social background of French literature from the French revolution to the present day. (Sp)   |
| FR      | 4960   | Directed Readings                           | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| FR      | 4970   | Special Topics/Seminar                      | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| FR      | 4990   | Independent Study                           | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| FR      | 4993   | Senior Capstone in French                   | Prerequisite: graduating majors in French. Requires undergraduate French majors to synthesize their knowledge of French contributions to world civilization. They will be required, as part of this enterprise, to demonstrate their mastery of the four basic skills involved in learning a foreign language: reading, writing, speaking, and understanding. (Sp) [V]  |
| FR      | 5223   | Seventeenth-Century Theatre                 | A study of dramatic works of Moliere, Corneille, Racine and other contemporaries. (Irreg.)  |
| FR      | 5273   | Contemporary French Literature              | Prerequisite: Graduate standing or permission of instructor. This course presents the work of a variety of French literary writers, texts composed primarily from 1990 to the present, a period of great revival in French letters. Students examine important questions of intellectual and aesthetic impact in literature coming both from France and from Francophone countries across the world. (Irreg.)   |
| FR      | 5283   | Twentieth-Century French Novel              | Prerequisite: graduate standing or permission of instructor. Course presents a survey of the major forms of French novel throughout the twentieth century. (Irreg.)   |
| FR      | 5293   | Twentieth-Century French Poetry and Theatre | Prerequisite: graduate standing or permission of instructor. Course examines major developments in French poetry and theatre throughout the twentieth century. (Irreg.)   |
| FR      | 5313   | Introduction to Old French                  | Prerequisite: 10 hours of college Latin or equivalent; some knowledge of articulatory phonetics useful, but not required. History of the French vernacular from Latin to Modern French: external history, phonology, morphology, lexicon, syntax, with emphasis on phonological evolution; and introduction to the reading of Old French via short excerpts from monuments of literature, from the Strasbourg Oaths to Cent Nouvelles Nouvelles. (Alt. F) |
| FR      | 5323   | Old French Readings                         | Prerequisite: 5313. Introduction to a literary understanding and appreciation of the Old French Canon as represented by such texts as the Alexis, the Roland, Chretien's romances, Beroul's Tristan, the Rose, theatre, chronicles and lyric poetry, including Rutebeuf and Villon. (Alt. Sp)   |
| FR      | 5613   | Sixteenth-Century French Poetry and Theatre | Prerequisite: graduate standing or permission of instructor. All major or minor poets will be studied, as well as the revival of classical theatre in French. (Irreg.)  |
| FR      | 5623   | Seventeenth-Century Prose and Poetry        | Prerequisite: 4153. A survey of baroque, precieux and classical style, form and content as exemplified in the prose and poetry of the period. (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| FR      | 5633   | Eighteenth-Century French Philosophes           | Prerequisite: graduate standing or permission. Presents the "philosophes" of the eighteenth century in France such as Montesquieu, Voltaire and Diderot. (Irreg.)  |
| FR      | 5643   | Eighteenth-Century French Narrative and Theatre | Prerequisite: graduate standing or permission of instructor. The course will present an overview of eighteenth-century French narrative and theatre. (Irreg.)  |
| FR      | 5653   | The French Atlantic                             | Prerequisite: graduate standing or permission of instructor. Examines the aesthetic, social, and political issues foregrounded in 20th- and 21st-century Caribbean and Sub-Saharan francophone literature as well as the various historical forces influencing the development of Francophone cultures on both sides of the Atlantic. (Irreg.)   |
| FR      | 5910   | Problems in Research                            | 2 to 4 hours. May be repeated with change of content; maximum credit nine hours. An individual course of intensive research with the area and problem to be determined by the student and directing instructor. (F, Sp, Su)  |
| FR      | 5960   | Directed Readings                               | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| FR      | 5963   | Nineteenth-Century French Novel                 | Prerequisite: graduate standing or permission of instructor. Course covers the major developments of the French novel throughout the nineteenth century. (Irreg.)  |
| FR      | 5970   | Special Topics/Seminar                          | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| FR      | 5973   | Nineteenth-Century French Poetry and Theatre    | Prerequisite: graduate standing or permission of instructor. Course surveys the major literary developments in French poetry and theatre throughout the nineteenth century. (Irreg.)   |
| FR      | 5980   | Research for Master's Thesis                    | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp)   |
| FR      | 5990   | Independent Studies                             | 1 to 3 hours. Prerequisite: graduate standing, permission of instructor. May be repeated; maximum credit 12 hours. Independent reading on one or more topics under the general direction of a faculty member. (F, Sp, Su)  |
| FR      | 5999   | Graduate Level Transfer Credit                  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| FR      | 6960   | Directed Readings                               | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| FR      | 6970   | Special Topics/Seminar                          | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)   |
| FR      | 6980   | Research for Doctoral Dissertation              | 2 To 16 Hours. (F, Sp)   |
| FR      | 6990   | Independent Study                               | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| FRAN    | 3343   | Retailing Management                            | (Crosslisted with MKT3343) Prerequisite: Student must be approved for degree candidacy by Price College, MKT 3013. An analytical approach to the management of retail institutions. Addresses strategic and operating level decision making related to delivery of products and services to consumers, focusing on each of the four dimensions of the marketing mix. Includes modules on electronic commerce and ethical responsibility. (F, Sp) |

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| Subject | Number | Title                                  | Course Description  |
|---------|--------|--|---|
| FRAN    | 3440   | Mentored Research Experience           | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)     |
| FRAN    | 3713   | Fundamentals of Franchising            | (Crosslisted with MKT 3713) Prerequisite: Business Candidacy & 3000 level core or concurrent enrollment. Provides a fundamental understanding of the franchising business model to showcase its unique differential advantages over alternative conventional systems of distribution. In particular, the course will focus on introducing students to operational issues, information flows, financial considerations and relationship processes involved in franchising. (F, Sp) |
| FRAN    | 3723   | Integrated Franchising Communications  | (Crosslisted with MKT 3723) Prerequisite: Business Candidacy, 3000 level core or concurrent enrollment & FRAN/MKT 3713 or concurrent enrollment. It examines how franchisor-created communications and sales promotions can best be combined with franchisee-created social media programs to present a consistent image across the franchise system. Combinations of media vehicles and messages are explored to present an effective communication strategy. (F, Sp)            |
| FRAN    | 4713   | Policies and Strategies in Franchising | (Crosslisted with MKT 4713) Prerequisite: Business Candidacy, 3000 level core & FRAN/MKT 3713. Emphasizes the process of business decision-making within the setting of a contractual channel of distribution with specific focus on the unique context of a franchising enterprise. Students will be exposed to developing skills in synthesizing diverse knowledge areas in order to arrive at holistic, coherent and responsible strategic decisions. (F, Sp)                  |
| G E     | 1999   | Lower Division Transfer Credit         | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| G E     | 2281   | Engineering Co-Op Program              | (Crosslisted with AME, CH E, CEES, C S, ECE, ENGR, EPHY, I E, P E 2281) Prerequisite: student participation in the program. The Co-Op program provides student placement in jobs outside the University, but in a position related to the student's major. On completion of a semester work period the student submits a brief written report. One hour of credit (elective) granted for each work period, with a maximum credit of six hours. (F, Sp)                            |
| G E     | 3440   | Mentored Research Experience           | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)     |
| G E     | 3990   | Independent Study                      | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| G E     | 3999   | Upper Division Transfer Credit         | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| G E     | 4960   | Directed Readings                      | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| G E     | 4970   | Special Topics/Seminar                 | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |

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| Subject | Number | Title                                      | Course Description   |
|---------|--------|--|--|
| G E     | 4990   | Independent Study                          | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| G E     | 5133   | Non-Newtonian Fluid Mechanics              | (Crosslisted with P E 5133) Prerequisite: Graduate standing or instructor permission. Characteristics of stress in fluids, the role of Newtonian fluid mechanics, extension of Newtonian analysis to Bingham plastics; fluids without yield stress, time dependent non-Newtonian fluids, laminar and turbulent flow, boundary layers in non-Newtonian fluids. (Sp)   |
| G E     | 5143   | Fluid Flow in Porous Media                 | (Crosslisted with P E 5143) Prerequisite: Graduate standing or instructor permission. Physical concepts involved in the flow of fluids in porous media; treatment of Darcy's Law in a mathematical sense; the concept of relative permeability applied also in a mathematical sense. (F)   |
| G E     | 5243   | Introduction to Rock Mechanics             | (Crosslisted with P E 5243) Prerequisite: Graduate standing or instructor permission. Engineering properties of rock; rock testing techniques; in-situ methods; mathematical approach to stress-strain analysis; discontinuities in rock; application for underground openings; rock slopes; foundations and drilling. (Sp)  |
| G E     | 5310   | Special Problems in Geological Engineering | 1 to 3 hours. Prerequisite: Geology 3113, permission. Special studies in stratigraphy, petrology, subsurface geology, sedimentation and petroleum exploitation problems. (F, Sp, Su)   |
| G E     | 5533   | Petroleum Reservoir Development            | (Crosslisted with P E 5533) Prerequisite: Graduate standing or instructor permission. Petroleum reservoir development and extension. Simulation methods for evaluating a petroleum reservoir, schemes for oil field development. Engineering application of logging and geological, fluid and well-testing data. Student-oriented reservoir simulation projects. (Sp)  |
| G E     | 5713   | Introduction to Geostatistics              | (Crosslisted with GEOL 5713 and P E 5713) Prerequisite: Graduate standing or permission of instructor. Introduction to geostatistical concepts, principles and tools for description and modeling of spatial variability in oil/gas reservoirs and other geological formations. Topics include review of basic statistic concepts, exploratory spatial data analysis, stationary and ergodicity, variogram and covariance, kriging, spatial sampling, stochastic realizations and simulations, conditioning, and indicator kriging. (Sp) |
| G E     | 5960   | Directed Readings                          | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| G E     | 5970   | Special Topics/Seminar                     | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| G E     | 5980   | Research for Master's Thesis               | Variable enrollment, 2 to 9 hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| G E     | 5990   | Special Studies                            | 1 to 4 hours. Prerequisite: graduate standing in Geological Engineering. May be repeated with change of topic; maximum credit four hours. Supervised individual study or specialized research in geological engineering. (F, Sp)   |
| G E     | 5999   | Graduate Level Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| G E     | 6153   | Transport Phenomena in Porous Media        | (Crosslisted with P E 6153) Prerequisite: Graduate standing or instructor permission. Fundamental theory of mass, momentum and energy transport in porous media. Emphasis placed upon enhanced oil recovery processes, in situ energy extraction and other processes relevant to energy production. (Irreg.)   |
| G E     | 6253   | Advanced Petrophysics                      | (Crosslisted with P E 6253) Prerequisite: Graduate standing or instructor permission. Techniques of sampling petroleum reservoirs with emphasis upon the rock and fluid properties. (Irreg.)   |

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| Subject | Number | Title                              | Course Description   |
|---------|--------|------------------------------------|--|
| G E     | 6263   | Advanced Rock Mechanics I          | (Crosslisted with P E 6263) Prerequisite: Graduate standing or instructor permission. In-situ stress determinations, effects of stress and strain gradients, time-dependent effects, Griffith's theory, crack phenomena, fracture toughness of rocks, poroelasticity concepts. (Irreg.)  |
| G E     | 6273   | Advanced Rock Mechanics II         | (Crosslisted with P E 6273) Prerequisite: 6263. Stereographic projections, properties of discontinuities, fluid flow in fractures, stability and design of rock slopes (two- and three-dimensional).   |
| G E     | 6283   | Seismic Reservoir Modeling         | (Crosslisted with GEOL and P E 6283) Prerequisite: graduate standing or permission of instructor. This course is designed to explore the seismic response of rocks and how it is related to petrophysical parameters. This understanding is key to interpretation of seismic data in terms of subsurface rocks and fluids. (F) |
| G E     | 6573   | Advanced Reservoir Engineering     | (Crosslisted with P E 6573) Prerequisite: graduate standing. Petrophysics, Formation Evaluation, Reservoir Fluid Properties, Flow in Porous Media, Reservoir Material Balance, Decline Curve Analysis and Reservoir Simulation. (F)  |
| G E     | 6583   | Enhanced Oil Recovery              | (Crosslisted with P E 6583) Prerequisite: graduate standing or permission. Fundamentals and principles of enhanced oil recovery; practical applications of method of characteristics to design miscible gas injection, water alternating gas flooding, and polymer flooding (Sp)   |
| G E     | 6960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| G E     | 6970   | Special Topics/Seminar             | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)                                       |
| G E     | 6980   | Research for Doctoral Dissertation | Research for Doctoral Dissertation. (F, Sp, Su)  |
| G E     | 6990   | Independent Study                  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)           |
| GCRE    | 1999   | Lower Division Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| GCRE    | 3999   | Upper Division Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| GCRE    | 5051   | Graduate Composition Recital       | Graduate Composition Recital. Prerequisite: Permission Of Instructor. A Program Of Original Compositions Presented In Partial Ful- Fillment Of The Requirements Of The Master Of Music Degree In Composition. (F, Sp, Su)  |
| GCRE    | 5999   | Graduate Level Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| GDMA    | 1999   | Lower Division Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| GDMA    | 3999   | Upper Division Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| GDMA    | 5999   | Graduate Level Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| GDMA    | 6042   | Graduate Recital-Doctor Of Musical Arts Degree | Graduate Recital--Doctor Of Musical Arts Degree. Prerequisite: Concurrent Enrollment In 6020; Permission Of Adviser And Instructor. May Be Repeated; Maximum Credit Four Hours. May Not Be Elected During First Enrollment. The Preparation And Presentation Of A Public Recital. (F, Sp, Su)  |
| GEOG    | 1103   | Human Geography                                | An introduction to the humanized Earth; specifically, to the geography of population, the global pattern of cultures and such affiliated elements as language, religion, technology, and political organization, and to the physical expression of those cultures in rural and urban settings. (F, Sp, Su) [IV-WC]   |
| GEOG    | 1113   | The Language of Maps                           | Introduction to reading, analyzing and interpreting graphic information symbolized on a wide variety of maps. Topics include: scale, projection, generalization, symbolization, statistical map techniques, coordinate systems, interpreting human and physical landscapes on topographic maps and web-based mapping services, controversies about place names, political gerrymandering, and cartographic innovations. (Sp) [I-O] |
| GEOG    | 1114   | Physical Geography                             | A systematic introduction to the physical Earth; including Earth materials, landform processes and resultant landforms, Earth-sun relations, weather, climate, the water cycle, natural vegetation, and soil types. Emphasis is placed on the inter-relationships among these phenomena. (F, Sp, Su) [II-LAB]  |
| GEOG    | 1123   | Introduction to Geohumanities                  | Introduces students to the link between geography and the humanities, specifically the way we imagine, design, understand and represent the lands and lives of everyday places. Students learn how others have used words (e.g., literature, stories, blogs), pictures (e.g., art, photography, television, video, cinema), music, and maps to assign meaning to places. (F, Sp)   |
| GEOG    | 1203   | Global Environmental Issues                    | This course is an "interactive" lecture/discussion course, and integrates environmental content with selected readings, hosts guest experts and connects students with real world applications. The myriad of environmental issues and concepts expressed by various media that impact us directly and indirectly will be academically explored. (F, Sp) [III-SS]  |
| GEOG    | 1213   | Economic Geography                             | A survey of the contemporary global economy and of the analytical approaches developed by geographers studying it. Economic systems are examined at the household, urban, regional, national, and international levels. Special attention is given to changes in resource use, regional specialization, trade, industrial and retail location, and modernization. (F, Sp) [III-SS]   |
| GEOG    | 1999   | Lower Division Transfer Credit                 | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| GEOG    | 2603   | World Regional Geography                       | A broad survey of the world's major culture regions emphasizing basic physical, cultural, economic, and political patterns, as well as the processes that have created those patterns. Emphasis on economic development, ethnic conflict, and environmental degradation, as well as on the changing role of the United States. (F, Sp, Su) [IV-WC]   |
| GEOG    | 2970   | Special Topics/Seminar                         | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.  |
| GEOG    | 3003   | Interpreting Planet Earth                      | Prerequisite: junior standing or permission of instructor. This one semester, dynamic course integrates human and physical geography. Understanding our planet, its people, issues and global activities will involve "hot topic" discussions, case studies, a team project, plus two outside class field-based activities. (Sp) [III-SS]  |
| GEOG    | 3023   | Principles of Physical Geography               | Prerequisite: junior standing or permission of instructor. This course is designed to explain important physical geographical processes and phenomena, the interactions among these phenomena, and their relationship with various human activities. The course provides a solid foundation for upper level physical geography courses including biogeography, climatology, geomorphology, and hydrology. (Sp)                     |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| GEOG    | 3113   | Media Geographies                              | Prerequisites: junior status or permission of the instructor. This course explores an emerging paradox: with increasing personal mobility, people's experiences of places are increasingly mediated. Media Geographies addresses how media technologies shape our senses of space and place. Students engage digital humanities methods to develop greater understanding of the spatial impacts of various media. (F)  |
| GEOG    | 3133   | Geography of Wine                              | Prerequisite: junior standing; students must be 21 years of age or older as of the first day of the semester; permission of department. Analysis of physical and cultural forces which shape the production, consumption and variety of wine. Wine will be examined through its economic, social, political and ideological impacts throughout history, and up to the present. Emphasis will be on PLACE as an agent in defining the product, along with tangible skills of interpreting wine labels, etiquette, and incorporating wine with food. (F, Sp) |
| GEOG    | 3203   | Globalization and the Environment              | Prerequisite: junior standing or permission of instructor. Explores the complex assemblage of economic, political, and cultural processes popularly known as "globalization" and examines their implications for resource use and the environment. A central objective is to facilitate critical thinking on global environmental issues and enable students to challenge the increasingly polarized rhetoric concerning economic growth and the environment. (Irreg.)   |
| GEOG    | 3213   | Principles of Human Geography                  | Prerequisite: upper-division standing or permission of instructor. Introduction to the distribution of humans and their activities on the surface of the earth and the processes that generate these distributions. Special attention given to the influence of economy, culture, and politics in shaping the land and the spatial character and organization of human life. A key theme is the relationship of human diversity and places to the environment. (F)   |
| GEOG    | 3223   | The British Empire and its Successor States    | Prerequisite: junior standing or consent of instructor. An examination of the relationship between ruler and ruled in the parts of Africa and Asia ruled by the British in the 19th and 20th centuries. Particular attention to the writings of the colonized peoples and to the lasting influence of colonialism upon them. (Irreg.) [IV-NW]  |
| GEOG    | 3233   | Principles of Sustainability                   | Prerequisite: junior standing or permission of instructor. Provides a broad introduction to the basic principles of sustainable development with an examination of its social, economic, and environmental dimensions. Students will learn about sustainability strategies and practices from a national and international perspective with attention paid to the ethical and cultural aspects integral to a transition to sustainability. (Sp)  |
| GEOG    | 3243   | Principles of Economic Geography               | Prerequisite: junior standing or permission of instructor. An examination of the distribution of economic activities and the processes that generate them. Special attention is given to principles of economic location and their application to patterns of production, consumption, and exchange. Contemporary approaches to economic geography are critiqued, including relational economic geography, the creative economy, and environmental economic geography. (Sp)  |
| GEOG    | 3253   | Environmental Conservation                     | Contemporary environmental issues and policies. Problems of population growth, food production, energy shortages, resource depletion and pollution impacts will be stressed. The social aspects of conservation management policies will be viewed at both global and national scales. (F) [III-SS]  |
| GEOG    | 3273   | Cultural Geographies of the Colonial Caribbean | Prerequisite: junior standing or consent of instructor. Introduces students to the many ways that Africans, Amerindians, and Europeans established relationships with their environments and one another throughout the Caribbean basin in the early modern period, roughly 1500-1800. (Irreg.) [IV-NW]  |

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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| GEOG    | 3440   | Mentored Research Experience              | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| GEOG    | 3443   | Environment and Society                   | Prerequisite: junior standing or permission of instructor. An introduction to the political, economic, and cultural factors that shape human-environmental relations around the world. Special attention is placed on how societies come to value the environment differently, how people struggle over access to and control of natural resources, and the social causes and consequences of environmental change. (F) [III-SS]  |
| GEOG    | 3483   | Remote Sensing & Phenology                | (Crosslisted with BIOL 3483) Prerequisite: junior standing. Focus on the analysis of phenology both on the ground and from space. Phenology is the study of the timing of biological phenomena, with a particular emphasis on the linkages between abiotic drivers and biological responses of particular organisms. Land surface phenology explores how quasi-periodic events in terrestrial vegetation appear when observed with satellite images. The course has a field component and the students will be trained as phenological observers. Field trips. (Sp) |
| GEOG    | 3513   | Political Geography                       | Prerequisite: junior standing. A survey, stressing current geopolitical conflicts. Special topics include the nation-state, territoriality, the legacies of colonialism, spheres of political influence, regional conflicts, and geopolitics in such areas as Europe and the Pacific Rim, demographic and resource considerations in world politics, and emerging culturally based conflicts. (F, Sp, Su) [IV-WC]   |
| GEOG    | 3523   | Managing for a Changing Climate           | (Crosslisted with METR 3523) Prerequisite: Junior or Senior standing. Provides an integrative understanding of the components of the climate system including the range of natural climate variability and external drivers of climate change, in addition to impacts of a changing climate on multiple sectors such as the economy, policy, ecosystems, and indigenous populations. (F)  |
| GEOG    | 3563   | Geography of Natural Resources            | Definition and evaluation of mineral, agricultural, forest, and water resources, including their variation over time, between cultures, and as affected by technological innovation. Emphasis is placed on the distribution, technologies, institutions, and landscapes of natural resources in modern economies. (F, Sp)   |
| GEOG    | 3613   | Geography of Oklahoma                     | A study of the physical regions, populations, distribution, economic development and recreational resources of Oklahoma. (Irreg.)   |
| GEOG    | 3633   | Historical Geography of the United States | America's changing geography is considered under three headings: the Colonial Pattern, the Humid East, and the Dry West. Special attention is given to those human activities that have shaped successive cultural landscapes and to those patterns that persist to give present day regions their distinctive character. (F, Sp) [IV-WC]   |
| GEOG    | 3773   | Geography of the United States            | Geography Of The United States. Prerequisite: Junior Standing Or Permission Of Instructor. An Introduction To The Regional Character Of The United States, Including Its Physical, Social, And Economic Elements. (Irreg.)  |
| GEOG    | 3843   | Gender and Environment                    | Prerequisite: junior standing or permission of instructor. Critically examines the concepts of environment and gender. Particular emphasis is placed on how and why environmental inquiry and academic advocacy intersect. Students will study the organizational practices, institutional policies, and cultural politics with which the concepts of gender and environment are composed, conveyed, and contested. (Sp) [III-SS]   |
| GEOG    | 3890   | Selected Studies in Geography             | 1 to 3 hours. Prerequisite: junior standing. May be repeated with change of subject matter; maximum credit nine hours. To be used for special intersession courses and occasional (irregularly scheduled) courses of special concern and use for the undergraduate. (F, Sp)   |



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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| GEOG    | 3924   | Quantitative Methods                    | Prerequisite: junior standing, completion of a lower division general education math requirement. Introduces students to methods of collecting, organizing, and describing data, focusing specifically on environmental and geographical applications. Students also learn basic concepts of probability and statistical inference. The overall objective is to develop an understanding of statistical literacy as it is applied to geographical and sustainability related issues. Laboratory (F, Sp) [I-M] |
| GEOG    | 3960   | Honors Reading                          | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers materials not usually presented in the regular courses. (F, Su)   |
| GEOG    | 3980   | Honors Research                         | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| GEOG    | 3990   | Independent Study                       | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| GEOG    | 3999   | Upper Division Transfer Credit          | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| GEOG    | 4003   | The Global City and Planning Issues     | (Crosslisted with RCPL 4003; Slashlisted with 5003) Prerequisite: English 1213 and junior standing. An introduction to the concept of globalization and its effects on cities, and the city planning issues related to those effects. Characteristics, theories, and strategies of city development are reviewed. Cities are observed from several perspectives: natural and built environment, governance, society, economics, and history. No student may earn credit for both 4003 and 5003. (Sp)          |
| GEOG    | 4143   | History of Geography and Sustainability | Prerequisite: Junior standing or permission of instructor. Introduces students to the history of Western thought addressing human-environmental relationships, including ideas about the causes of and appropriate responses to environmental change, and about the impact of nature on people from antiquity through the twentieth century. (Sp)   |
| GEOG    | 4200   | Internship in Geography                 | 1 to 6 hours. Prerequisite: junior standing and permission of instructor. May be repeated; maximum credit six hours. Provides career training experience whereby students may apply geoinformatics skills and further develop professional capabilities in a realistic setting. Students will be assigned to private industry, government agencies or educational institutions on an individual basis and report on their experience to the instructor. (F, Sp, Su)   |
| GEOG    | 4203   | Geomorphology                           | (Slashlisted with 5203) Prerequisite: 1114, or comparable work in earth sciences, junior standing. Development and modification of land-surface form by atmospheric, fluvial, glacial, mass-wasting, volcanic and tectonic agents. Emphasis is placed on spatial aspects of the interactions at the interfaces of land, air and water. No student may earn credit for both 4203 and 5203. (Irreg.)  |
| GEOG    | 4243   | Geography of Asia                       | Prerequisite: junior standing or permission of instructor. A survey of the Middle East and central, south, southeast and east Asia. The course includes overviews of the continent's physical, social, and economic characteristics, but it treats primarily of the evolution of Asia's contemporary cultural landscapes as an expression of Asian cultures. (Sp) [IV-NW]   |
| GEOG    | 4253   | Latin America Geography                 | Prerequisite: junior standing or permission of instructor. An exploration of the ways in which natural, cultural, and historical processes have combined to shape a unique region of the world. Special emphasis will be placed on the legacies of colonialism, cultural landscapes, social movements, and environmental degradation and resource conservation. (Sp) [IV-WC]  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| GEOG    | 4263   | Geography of Latin America Through Film                            | Prerequisite: junior standing or permission of instructor. An advanced undergraduate course designed to introduce students to the various themes shaping the historical and cultural geography of Latin America. Weekly films illustrate exploration and conquest, indigenous encounters, slavery and Africans, colonial society, liberalism, environmental change, urbanization, revolution and issues in contemporary social geography. (F)   |
| GEOG    | 4273   | Regional Climatology   | Prerequisite: junior or senior standing; or permission of instructor. Investigates the nature of the Earth's climate and presents a synthesis of contemporary scientific ideas about atmospheric circulation. Topics include radiation, the hydrologic cycle, general circulation, local and regional climates, and global climate change. Specific attention is focused on the climatic water budget, its utility in evaluating local and regional climates, the emerging role of climate models, and issues in global climate change. (Irreg.) [II-NL]                    |
| GEOG    | 4283   | Biogeography   | (Slashlisted with 5283) Prerequisite: junior or senior standing. Biogeography is the study of the spatial distribution, past and present, of plant and animal species and biodiversity. Course topics include factors affecting the distribution of species, the role of biogeography in biological conservation and understanding a changing world. No student may earn credit for both 4283 and 5283. (F)   |
| GEOG    | 4293   | Hydrologic Science   | (Slashlisted with 5293) Prerequisite: Math 1823 or 1914 and either Physics 2414, 2514 or Chemistry 1315. Study of the processes which control the storage and movement of water at global, regional, and local scales. The emphasis is on the land portion of the hydrologic cycle, and includes the study of processes such as infiltration, soil water flow in the saturated and unsaturated zone, rainfall/runoff and evaporation. Lab sections include exercises on a computer in the field and in a soils lab. No student may earn credit for both 4293 and 5293. (Sp) |
| GEOG    | 4313   | Interpreting Society and Environment: Qualitative Research Methods | (Slashlisted with 5313) Prerequisites: junior standing. This class approaches qualitative research methods from the perspective of human geography. That makes it especially useful for students who want to investigate the intersections of social and environmental relationships: be they historical, contemporary, or future (as in planning). No student may earn credit for both 4313 and 5313. (F)  |
| GEOG    | 4333   | Corporate Environmental Strategy                                   | (Slashlisted with 5333) Prerequisite: junior standing or permission of instructor. Examination of the importance of environmental science and technology for corporations seeking sustainability. Students attain an understanding of the private sector as a force for positive environmental change and the dimensions of the natural environment in the competitive market. Corporate case students are discussed to improve understanding of strategic decision making. No student may earn credit for both 4333 and 5333. (Sp)   |
| GEOG    | 4343   | Climate, History, and Society                                      | (Slashlisted with 5343) Prerequisite: junior standing or permission of instructor. This course is an overview of the mutual interactions of climate and human activities, and examines historical examples of significant climatic impacts. The course includes investigation of the nature of earth's climate and a synthesis of contemporary scientific ideas about the climate and its environmental and societal impacts. No student may earn credit for both 4343 and 5343. (Irreg.) [II-NL]   |
| GEOG    | 4433   | Cultural and Political Ecology                                     | Prerequisite: junior standing or permission of instructor. An introduction to the political, economic, and cultural factors that shape human-environmental relations among peasant and indigenous societies around the world. Special attention is placed on how people negotiate decisions about resource use within value and belief systems that vary in response to changing social and environmental contexts. (Sp) [III-SS]   |
| GEOG    | 4443   | Urban Ecology  | (Slashlisted with 5443) Prerequisite: permission of instructor. An interdisciplinary course that examines how cities acquire, utilize, and modify environmental inputs such as land, water, and energy, and in the process generate a complex set of waste streams and environmental impacts such as solid wastes, atmospheric emissions, and habitat modification. No student may earn credit for both 4443 and 5443. (Irreg.)   |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| GEOG    | 4493   | Systems Thinking and Knowledge Integration | (Slashlisted with 5493) Prerequisites: Junior standing or permission of instructor. This course provides students with explicit understanding of contemporary techniques of integrating different fields of knowledge to advance systematic understanding and problem solving in environmental sustainability. Different techniques and approaches are examined first within a systems framework and then followed with detailed study of two complex ecosystems to illustrate application. No student may earn credit for both 4493 and 5493. (Sp)                           |
| GEOG    | 4513   | Applied Climatology                        | (Slashlisted with 5513) Prerequisite: MATH 1823 and PHYS 2514 with a grade of C or better. The purpose of this class is to broaden the perspective of students to the use of climate information in agriculture, energy, water resources, public health, and other areas of society. Field trip. No student may earn credit for both 4513 and 5513. (Sp)  |
| GEOG    | 4523   | Life Cycle Analysis                        | (Slashlisted with 5523) Prerequisite: junior standing or permission of instructor. This course provides students with an understanding of Life Cycle Analysis both with respect to its conceptual foundations as well as its applications across a variety of socially important sectors. No student may earn credit for both 4523 and 5523. (Sp)   |
| GEOG    | 4563   | American Indian Geographies                | Prerequisite: upper-division standing. A survey of the geographical knowledge among Indians in North America. Historical and contemporary topics are covered in a cross-cultural perspective including land use, environmental perception, concepts of space and place, symbolic landscapes, sacred land, and the idea of resources. (Sp) [IV-NW]   |
| GEOG    | 4573   | Indigenous Peoples and Resources           | Prerequisite: junior or senior standing or permission of instructor. A global survey of the role natural resources play in contemporary conflicts among indigenous peoples, neocolonial states and corporations, and non-governmental organizations (NGOs). The integrative-humanistic approach emphasizes understanding the ethical, cultural, economic, and ecological issues at stake in individual case studies set in a global context. Possible solutions to these conflicts are examined. (F) [IV-WC]  |
| GEOG    | 4583   | Renewable Energy Resources                 | (Slashlisted with 5583) Prerequisite: junior standing or permission of instructor. Designed to provide an understanding of the interdisciplinary elements and perspectives associated with renewable energy. Includes an introduction to the variety of technical and non-technical issues that affect contemporary energy issues as well as the scope of management strategies that are employed to resolve society's continuing effort to reconcile energy production and use with the integrity of natural systems. No student may earn credit for both 4583 and 5583. (F) |
| GEOG    | 4613   | Place and The Geographical Imagination     | (Slashlisted with 5613) Prerequisites: junior standing or permission of instructor. Focuses on the meaning people invest in places and how, in turn, places both enable and constrain our perceptions, attitudes, beliefs, and behavior. Emphasis is on understanding how reason, imagination, faith, and emotion infuse the meaning of particular places to serve different purposes. No student may earn credit for both 4613 and 5613. (Sp)  |
| GEOG    | 4853   | The Geography of Africa                    | Prerequisite: junior standing or permission of instructor. Analysis of diversified natural resources and endowment; cultural/historical background; economic, political and environmental implications of colonialism; modern development aid; post-colonial ideologies, policies and regional change; migration and rural-urban interactions; religion, the arts, and civilization; Sahel crises and coping strategies; national master plans and objectives for economic development; project evaluation. (Irreg.)  |
| GEOG    | 4863   | Regional Geographies of Indigenous Media   | Prerequisite: junior standing. Learn about the making, moving, and meanings of Indigenous media. Regional case studies feature scholarly readings that examine the geographically- and culturally-specific contexts from which particular forms of Indigenous media emerge. Ample video viewings allow us to explore the contents of media made by Indigenous artists/activists/intellectuals and their allies who live and/or work in a particular region. (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| GEOG    | 4893   | Research Methods and Professional Development | Prerequisite: GIS 2023, GEOG 3924, or concurrent enrollment, and senior standing. Research methods used in contemporary geography, GIS, and environmental sustainability and use of these methods in designing research projects, and preparation for post-graduate employment and/or graduate education. Required prior to enrollment in Capstone. Students complete proposals for research to be undertaken in the subsequent capstone course. The course will include professional development e.g resume writing, presentation, and interviewing skills. (F) |
| GEOG    | 4943   | Natural Hazards                               | (Slashlisted with 5943) Prerequisite: junior or senior standing. Examines changes in patterns of a range of natural hazards and the impact they have on society. Examines general concepts of hazard mitigation and design and our perceptions of risk and how that affects preparedness and mitigation decisions. No student may earn credit for both 4943 and 5943. (F)  |
| GEOG    | 4953   | Capstone                                      | Prerequisite: GEOG 3924, GIS 2023, and C or better in GEOG 4893. Completion of research as proposed in GEOG 4893, including a formal presentation of results to faculty and students in the department and submission of a final research report reflecting a culminating experience in the student's degree program. (Sp) [V]   |
| GEOG    | 4960   | Directed Readings                             | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| GEOG    | 4963   | Natural Resource Economics                    | (Slashlisted with 5963) Prerequisite: junior standing. The course will teach students to understand, critically analyze, and apply knowledge of economics to environmental problems. Theoretical concepts of natural resource economics will be taught and followed with examples from practice. Further, students will participate in practical exercises to apply natural resource economics to real-world problems. No student may earn credit for both 4963 and 5963. (F)  |
| GEOG    | 4970   | Special Topics/Seminar                        | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| GEOG    | 4990   | Independent Study                             | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topics not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| GEOG    | 5003   | The Global City And Planning Issues           | (Crosslisted with RCPL 5003; Slashlisted with 4003) Prerequisite: graduate standing. An introduction to the concept of globalization and its effects on cities, and the city planning issues related to those effects. Characteristics, theories, and strategies of city development are reviewed. Cities are observed from several perspectives: natural and built environment, governance, society, economics, and history. No student may earn credit for both 4003 and 5003. (Sp)  |
| GEOG    | 5113   | Quantitative Methods in Geographical Research | Prerequisite: 3923 or permission of instructor. An introduction for graduate majors in geography and those in allied fields to research design and problem-solving research techniques. (F, Sp)  |
| GEOG    | 5143   | Ecosystem Services                            | Prerequisites: graduate or senior standing. Explores the availability and value of ecosystem services using scientific, economic, and sociopolitical perspectives. At the end of the course, students should be able to: (i) Define and map ecosystem services; (ii) Gain an interdisciplinary understanding of the processes involved in the creation and distribution of ecosystem services; and (iii) Describe the linkages between natural and human systems and how these impact the availability of ecosystem services. (Sp)                               |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| GEOG    | 5200   | Internship in Geography  | Prerequisite: graduate standing. May be repeated; maximum credit six hours. Provides career training experience for students, allowing them to apply their skills and theoretical constructs in a real world setting in industry, business, government agencies or educational institutions. (F, Sp)   |
| GEOG    | 5203   | Geomorphology  | (Slashlisted with 4203) Prerequisite: graduate standing. Development and modification of land-surface form by atmospheric, fluvial, glacial, mass-wasting, volcanic and tectonic agents. Emphasis is placed on spatial aspects of the interactions at the interfaces of land, air and water. No student may earn credit for both 4203 and 5203. (Irreg.)   |
| GEOG    | 5213   | Principles and Practice of Urban Planning                          | (Crosslisted with RCPL 5213) Prerequisite: open to seniors in social science departments, architecture and civil engineering and to graduate students in regional and city planning. A lecture course which examines the physical, social, economic and public interest determinants of land use; the economic population and land use studies required to provide the basis for planning; space and location requirements and design characteristics for residential, commercial, industrial and public uses of land; and the study of urban traffic as a function of land use in terms of structure and systems of movement. (F, Su) |
| GEOG    | 5253   | The Economics of Sustainability                                    | Prerequisites: graduate standing or permission of instructor. This course critiques various approaches to understanding the economics of sustainability, including neoclassical economic perspectives, environmental economics, and ecological economics. Students will examine the links between the natural environment and the human economy. (Sp)  |
| GEOG    | 5283   | Biogeography   | (Slashlisted with 4283) Prerequisite: Graduate Standing. Biogeography is the study of the spatial distribution, past and present, of plant and animal species and biodiversity. Course topics include factors affecting the distribution of species, the role of biogeography in biological conservation and understanding a changing world. No student may earn credit for both 4283 and 5283. (F)  |
| GEOG    | 5293   | Hydrologic Science   | (Slashlisted with 4293) Prerequisite: Math 1823 or 1914 and either Physics 2414, 2514 or Chemistry 1315, or the equivalents and graduate standing. Study of the processes which control the storage and movement of water at global, regional, and local scales. The emphasis is on the land portion of the hydrologic cycle, and includes the study of processes such as infiltration, soil water flow in the saturated and unsaturated zone, rainfall/runoff and evaporation. Lab sections include exercises on a computer in the field and in a soils lab. No student may earn credit for both 4293 and 5293. (Sp)                  |
| GEOG    | 5313   | Interpreting Society and Environment: Qualitative Research Methods | (Slashlisted with 4313) Prerequisites: graduate standing. This class approaches qualitative research methods from the perspective of human geography. That makes it especially useful for students who want to investigate the intersections of social and environmental relationships: be they historical, contemporary, or future (as in planning). No student may earn credit for both 4313 and 5313. (F)   |
| GEOG    | 5333   | Corporate Environmental Strategy                                   | (Slashlisted with 4333) Prerequisite: graduate standing or permission of instructor. Examination of the importance of environmental science and technology for corporations seeking sustainability. Students attain an understanding of the private sector as a force for positive environmental change and the dimensions of the natural environment in the competitive market. Corporate case students are discussed to improve understanding of strategic decision making. No student may earn credit for both 4333 and 5333. (Sp)  |
| GEOG    | 5343   | Climate, History, and Society                                      | (Slashlisted with 4343) Prerequisite: graduate standing or permission of instructor. This course is an overview of the mutual interactions of climate and human activities, and examines historical examples of significant climatic impacts. The course includes investigation of the nature of earth's climate and a synthesis of contemporary scientific ideas about the climate and its environmental and societal impacts. No student may earn credit for both 4343 and 5343. (Irreg.)  |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| GEOG    | 5433   | Sustainability: Theory and Practice        | Prerequisites: graduate standing or permission of instructor. This course examines the concept of sustainability from a human development perspective. A set of sustainability principles are critiqued to provide an understanding of the difficulty facing human systems to solve environmental, social and economic challenges. (Sp)   |
| GEOG    | 5443   | Urban Ecology                              | (Slashlisted with 4443) Prerequisite: graduate standing and permission of instructor. An interdisciplinary course that examines how cities acquire, utilize, and modify environmental inputs such as land, water, and energy, and in the process generate a complex set of waste streams and environmental impacts such as solid wastes, atmospheric emissions, and habitat modification. No student may earn credit for both 4443 and 5443. (Irreg.)   |
| GEOG    | 5493   | Systems Thinking and Knowledge Integration | (Slashlisted with 4493) Prerequisites: Graduate standing or permission of instructor. This course provides students with explicit understanding of contemporary techniques of integrating different fields of knowledge to advance systematic understanding and problem solving in environmental sustainability. Different techniques and approaches are examined first within a systems framework and then followed with detailed study of two complex ecosystems to illustrate application. No student may earn credit for both 4493 and 5493. (Sp)                           |
| GEOG    | 5513   | Applied Climatology                        | (Slashlisted with 4513) Prerequisites: graduate standing and grade of C or better in MATH 1833 and PHYS 2514. The purpose of this class is to broaden the perspective of students to the use of climate information in agriculture, energy, water resources, public health, and other areas of society. Field trip. No student may earn credit for both 4513 and 5513. (Sp)   |
| GEOG    | 5523   | Life Cycle Analysis                        | (Slashlisted with 4523) Prerequisite: Graduate Standing. This course provides graduate students with an understanding of Life Cycle Analysis both with respect to its conceptual foundations as well as its applications across a variety of socially important sectors. No student may earn credit for both 4523 and 5523. (Sp.)   |
| GEOG    | 5583   | Renewable Energy Resources                 | (Slashlisted with 4583) Prerequisite: graduate standing or permission of instructor. Designed to provide an understanding of the interdisciplinary elements and perspectives associated with renewable energy. Includes an introduction to the variety of technical and non-technical issues that affect contemporary energy issues as well as the scope of management strategies that are employed to resolve society's continuing effort to reconcile energy production and use with the integrity of natural systems. No student may earn credit for both 4583 and 5583. (F) |
| GEOG    | 5610   | Field Studies in Regional Geography        | 1 to 4 hours. Prerequisite: eight hours of geography (or three hours of geography and eight hours in one, or twelve hours in two, of anthropology, economics, political science, history, sociology, geology and permission). May be repeated; maximum credit twelve hours. Written reports based on lectures, observations, field notes, interviews and library research are required of each student. (Irreg.)  |
| GEOG    | 5613   | Place and The Geographical Imagination     | (Slashlisted with 4613) Prerequisites: graduate standing. Focuses on the meaning people invest in places and how, in turn, places both enable and constrain our perceptions, attitudes, beliefs, and behavior. Emphasis is on understanding how reason, imagination, faith, and emotion infuse the meaning of particular places to serve different purposes. No student may earn credit for both 4613 and 5613. (Sp)  |
| GEOG    | 5623   | Seminar in GIS Design                      | Prerequisite: 4553 or 5553. May be repeated with change of content; maximum credit nine hours. Discusses and practices principles in GIS interface design and project management; integration of spatial data and spatial models with GIS; and spatial decision support systems (SDSS). Students will gain knowledge about the theoretical aspects of GIS technology. (Sp)  |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| GEOG    | 5943   | Natural Hazards                | (Slashlisted with 4943) Prerequisite: graduate standing. Examines changes in patterns of a range of natural hazards and the impact they have on society. The course will examine general concepts of hazard mitigation and design and our perceptions of risk and how that affects preparedness and mitigation decisions. No student may earn credit for both 4943 and 5943.(F)   |
| GEOG    | 5960   | Directed Readings              | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| GEOG    | 5963   | Natural Resource Economics     | (Slashlisted with 4963) Prerequisite: graduate standing. The course will teach students to understand, critically analyze, and apply knowledge of economics to environmental problems. Theoretical concepts of natural resource economics will be taught and followed with examples from practice. No student may earn credit for both 4963 and 5963. (F)   |
| GEOG    | 5970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| GEOG    | 5980   | Research for Master's Thesis   | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. Laboratory (F, Sp, Su)   |
| GEOG    | 5990   | Selected Studies in Geography  | 1 to 4 hours. Prerequisite: teacher's certificate or bachelor's degree and permission. May be repeated with change of subject matter; maximum credit eight hours. Designed to afford either an intensive study of a systematic field or an extensive coverage of broad problem topics in geography. (F, Sp, Su)   |
| GEOG    | 5999   | Graduate Level Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| GEOG    | 6210   | Seminar in Physical Geography  | 1 to 3 hours. Prerequisite: twelve hours of geography or permission. May be repeated with change of subject matter; maximum credit 15 hours. Directed individual research studies in one of the major divisions of physical geography, such as landform analysis, climatology, the geography of soils, water resources or biogeography. Provides training in oral, written and cartographic presentation. (Irreg.)<br><br>Sec. 1 - Geomorphology<br>Sec. 2 - Climatology<br>Sec. 3 - Soils<br>Sec. 4 - Hydrology<br>Sec. 5 - Biogeography<br>Sec. 6 - Human Impacts on Physical Environment |
| GEOG    | 6220   | Seminar in Human Geography     | 1 to 3 hours. Prerequisite: twelve hours of geography or permission. May be repeated with change of subject matter; maximum credit fifteen hours. Directed studies in one of the major divisions of human geography. (Irreg.)<br><br>Sec. 1 - Urban Geography<br>Sec. 2 - Settlement Patterns<br>Sec. 3 - Historical Geography<br>Sec. 4 - Cultural Ecology<br>Sec. 5 - Cultural Geography<br>Sec. 6 - Economic Development<br>Sec. 7 - Political Geography<br>Sec. 8 - Social Geography<br>Sec. 9 - Regional Geography<br>Sec. 10 - Political Ecology                                      |
| GEOG    | 6230   | Seminar in Economic Geography  | 1 to 3 hours. Prerequisite: twelve hours of geography or permission. May be repeated with change of subject matter; maximum credit 15 hours. Directed studies in one of the major divisions of economic geography. (Irreg.)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| GEOG    | 6240   | Seminar in Resource and Environmental Geography | 1 to 3 hours. Prerequisite: twelve hours of geography or permission. May be repeated with change of subject matter; maximum credit 15 hours. Directed individual research studies in one of the major aspects of resource or environmental geography. Provides training in collection and analysis of data in oral, written and cartographic presentation. (Irreg.)<br><br>Sec. 1 - Environmental Geography<br>Sec. 2 - Natural Resources<br>Sec. 3 - Water Resources<br>Sec. 4 - Land Use<br>Sec. 5 - Energy Resources<br>Sec. 6 - Mineral Resources<br>Sec. 7 - Applied Climatology |
| GEOG    | 6950   | Research Problems in Geography                  | 1 to 6 hours. Prerequisite: graduate standing in geography, permission. May be repeated with change of subject matter; maximum credit 15 hours. Advanced independent research on any systematic or regional topic within the scope of geography appropriate to the library facilities or field study opportunities available to the student. (F, Sp, Su)  |
| GEOG    | 6953   | Research Methods in Geography                   | Prerequisite: admission to master's or doctoral degree program in geography. An intensive introduction to the definition of research problems in geography, to the range of methods available for analysis, and to the presentation of research results. Students will formulate a research proposal that includes problem identification, recommendation and justification of methods for analysis, and preparation of a critical literature review. (Sp)  |
| GEOG    | 6960   | Directed Readings                               | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| GEOG    | 6970   | Special Topics/Seminar                          | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| GEOG    | 6973   | Contemporary Geographic Thought                 | A survey of research philosophies and directions in American geography since World War II. An introduction to the geographical teaching and research interests at the University of Oklahoma. (F)   |
| GEOG    | 6980   | Research for Doctoral Dissertation              | (F, Sp, Su)   |
| GEOG    | 6990   | Independent Study                               | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| GEOLOG  | 1003   | Volcanoes and Earthquakes                       | Prerequisite: high school chemistry and algebra. Worldwide distribution of volcanic and earthquake activity; types of volcanic eruptions and associated landforms and rocks; causes of and techniques for location of earthquakes; prediction of volcanic eruptions and earthquakes; social consequences of predictions and actual volcanic and earthquake activity. (F, Sp) [II-NL]  |
| GEOLOG  | 1013   | Global Environmental Change                     | Relationship between humanity and the environment from an intellectual and historical perspective. Principle of progress and the Industrial Revolution, the Enlightenment and Francis Bacon, the noble savage, conservation and land ethics. Malthusians and Cornucopians, the Gaia Hypothesis, risk analysis, global warming, fossil fuels and alternative energy sources. (Sp) [II-NL]  |



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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| GEOL    | 1024   | The History of the Earth and Life                   | The origin of the Earth and solar system. Rocks and minerals; geologic time; plate tectonics and continental drift. The ocean-atmosphere system; climate change over time; biological evolution. The fossil record of early life; the "Cambrian Explosion" of life in the oceans; invertebrate animals and their geological history. Geological history of fishes; evolution of plants. Terrestrial vertebrates, including dinosaurs and mammals. Mass extinctions; human evolution; impact of human activities on the global environment and the biosphere. No student may earn credit for both GEOL 1024 and GEOL 1124. (Sp) [II-LAB]   |
| GEOL    | 1034   | Native Science and Earth Systems of North America   | (Crosslisted with METR 1034) Examines Earth systems of North America using both indigenous and Western perspectives, and an Earth science approach. This team-taught course will utilize a combination of geology, geography, meteorology, and Native American sciences, as expressed through the use of art. (Sp) [II-LAB]   |
| GEOL    | 1104   | The Dynamic Earth (Geology for non-Science Majors)  | Introduction to the fundamentals of geology and their application to land-use, groundwater, mineral use and fossil fuel problems facing society. Several guest lecturers from industry and state and federal surveys will contribute to the content of the course. Laboratory fee. Three hours lecture, two hours lab. Laboratory. (F, Sp) [II-LAB]   |
| GEOL    | 1114   | Physical Geology for Science and Engineering Majors | Prerequisite: equivalent knowledge of high school chemistry, algebra and trigonometry. Laboratory included. Plate tectonics, the makeup of continents and mountain building. Heat flow, magnetism, gravity, rock deformation, earthquakes and the earth's interior. Surface processes including weathering, erosion, transport and deposition. Landforms, rivers, groundwater, glaciers, ocean processes, and volcanoes. Minerals and rocks. Application of geology to land-use, groundwater, mineral and fossil fuel exploration. Laboratory. (F, Sp) [II-LAB]   |
| GEOL    | 1124   | Earth History                                       | Prerequisite: none; 1114 helpful but not required. Laboratory included; field trip. Physical history of the earth from its origin as a planet through the Great Ice age. Origin and growth of continents and ocean basins. Systematic survey of the history of continents with emphasis on North America: growth and leveling of mountain chains, rift valleys, transgressions and regressions of seas; continental fragmentation, assembly and relative motions. Plate tectonics, particularly as it relates to continent history. Climate and evolutionary changes through geologic time. Principles and methods used to interpret earth history and date rocks. Geologic time. Laboratory includes historical studies of specific regions; study of maps and fossils. Laboratory (F, Sp) |
| GEOL    | 1203   | The Age of Dinosaurs                                | (Crosslisted with BIOL 1203) Introduction to basic principles and theories in biology (evolution, systematics, vertebrate morphology and relationships) and geology (geologic time, earth history, plate tectonics, sedimentation and stratigraphy), focusing on the evolutionary history of Dinosauria. May not be counted for major coursework in Biology or Geology. [II-NL]   |
| GEOL    | 1999   | Lower Division Transfer Credit                      | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| GEOL    | 2014   | The Earth System                                    | An integrated overview of earth sciences emphasizing earth materials, the oceans and atmosphere, the solar system, and earth's evolution. The interrelationship among the different earth systems will be emphasized. Topics will be explored through a learning-cycle approach. The lab component includes both in-class experiments and one field-based research project. Laboratory (Sp) [II-LAB]  |
| GEOL    | 2224   | Introduction to Mineral Sciences                    | Prerequisite: CHEM 1315, MATH 1914 or 2423 and any 1000-level GEOL course. Main topics include crystal chemistry, optical properties and identification of minerals utilizing the petrographic microscope, mineral stability, crystal symmetry, and an introduction to the rock-forming minerals and their environments of formation. Laboratory (F, Sp)  |
| GEOL    | 2970   | Special Topics                                      | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| GEOL    | 3003   | Structural Geology and Stratigraphy for Petroleum Engineers | Prerequisite: 1114, Physics 2524 or concurrent enrollment. Treatment of structural and stratigraphic geology with an emphasis on aspects of importance to petroleum engineering. Includes an investigation of mechanical principles relating to the earth's crust, descriptive study of nomenclature, causes of tectonic deformation, sedimentary processes and environments, and stratigraphic principles. Laboratory. (Sp)  |
| GEOL    | 3013   | The Geology of Oklahoma                                     | Prerequisite: junior standing or permission of instructor. Provides an overview of geology emphasizing earth materials, surface processes, natural hazards, and the earth's evolution using Oklahoma as our natural laboratory. The course emphasizes problem solving and includes impact of anthropogenic changes and resources extraction. Required field trip. Grading based on exams, research paper and in-class exercises. (F) [II-NS]  |
| GEOL    | 3033   | Earth Resources and the Environment                         | Prerequisites: junior standing or permission of instructor. A geological perspective on Earth's water, energy, soil, and mineral resources, including their past, present, and potential future impact on society. By examining intersections between Earth resources and society, we will investigate the nature of science, role of science and scientists in society, evaluate scientific versus non-scientific sources of information, and communicate appropriately using scientific sources of information. (Sp) [II-NS]  |
| GEOL    | 3114   | Structural Geology  | Prerequisite: 2224, Physics 2524 or concurrent enrollment. An introduction to the concepts of stress, strain, the mechanisms of rock deformation, the mechanics of folding and fracturing, and description of structural styles in various tectonic settings. Laboratory. (F)   |
| GEOL    | 3123   | Introductory Field Geology                                  | Prerequisite: 2224, 3114, and 3223 or 3233, or permission (completed laboratory). Techniques of geologic fieldwork including: measuring stratigraphic sections, airphoto analysis, mapping, total station, writing reports. Course includes 10-12 field days in Oklahoma (during weekends) and a weekly laboratory. Students will be charged transportation costs. (Sp)   |
| GEOL    | 3154   | Environmental Geology                                       | Prerequisite: GEOL 1104 or GEOL 1114 or permission. Focuses on the reciprocal interactions between human activities and geological processes, especially soil properties, resource utilization, and geological hazards. Laboratory provides an introduction to techniques and skills relevant to environmental geology. Laboratory; field trip. (Sp)  |
| GEOL    | 3223   | Igneous and Metamorphic Petrology                           | Prerequisite: 2224 or permission. Laboratory included. Field trip; students will be charged transportation costs. Generation, emplacement and crystallization of magma; phase chemistry; principles of igneous rock classification; the relationship of magma types to geologic setting. Principles of metamorphic petrology; phase chemistry and metamorphic reactions; concepts of metamorphic grade, P-T regimes and relationships to geologic environments; concepts of protoliths and provenance. Laboratory study of the textures, structures and mineral assemblages of igneous and metamorphic rocks utilizing hand specimens and thin sections. Laboratory. (Sp) |
| GEOL    | 3233   | Sedimentary Petrology and Sedimentology                     | Prerequisite: 2224 or permission. Laboratory included. Field trip; students will be charged transportation costs. Origin, evolution and interpretation of sedimentary rocks with an emphasis on terrigenous systems; interpretation of mineralogy, textures and structures of terrigenous clastic and carbonate rocks in hand specimen and thin section. Laboratory. (Sp)   |
| GEOL    | 3333   | Geowriting  | Prerequisite: English 1113 and English 1213 or Expository Writing 1213. Provides student with the information and skills needed to effectively communicate as professional geoscientists. Students will actively engage in writing and scientific communication exercises through in-class activities, weekly assignments, and semester-long projects. Substitutes for English 3153. (alt. F)   |

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| Subject | Number | Title                                     | Course Description   |
|---------|--------|---|--|
| GEOL    | 3440   | Mentored Research Experience              | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| GEOL    | 3513   | Fundamentals of Invertebrate Paleontology | Prerequisite: GEOL 1114 or GEOL 1024 or BIOL 1114 or permission of instructor. Fossil preservation and bias in the fossil record. Ontogeny and growth of invertebrates. Interpretation of the life habits of fossil organisms, with case histories from invertebrates and vertebrates. Speciation and macroevolution. Paleoecology of marine communities. Mass extinctions in the fossil record. Biostratigraphy. Laboratory covers classification, morphology and ecology of the major invertebrate fossil groups. Laboratory (F) |
| GEOL    | 3633   | Introduction to Oceanography              | General survey of the scientific framework of the four specializations of the oceanographic study - biological, chemical, geological/geophysical and physical oceanography. Applications of ocean research to social and economic problems; interrelations between the ocean disciplines and other fields of study. (Sp) [II-NL]   |
| GEOL    | 3970   | Honors Seminar                            | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| GEOL    | 3980   | Honors Research                           | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| GEOL    | 3990   | Independent Study                         | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| GEOL    | 3999   | Upper Division Transfer Credit            | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| GEOL    | 4001   | Colloquium Series                         | Prerequisite: Departmental Permission. May be repeated for credit, maximum credit 9 hours. Departmental seminar series which will host a new guest lecturer, faculty member or student presenter each week. These lectures will provide greater exposure to scholarly work within the field of Geology and Geophysics, along with providing a platform for discussion and department interaction. All department scholarship students are required to enroll in this course each semester. (F, Sp)                                 |
| GEOL    | 4113   | Depositional Systems and Stratigraphy     | (Slashlisted with 5113) Prerequisite: Senior Standing, GEOL 3233, and GEOL 3114 or concurrent enrollment. Basic stratigraphic principles as well as reconstruction of ancient depositional systems. The controls (climatic, tectonic, eustatic) on deposition of stratigraphic sequences, stratigraphic completeness, biostratigraphy, magnetostratigraphy, and sequence stratigraphy. Field trip; students will be charged transportation costs. No student may earn credit for both 4113 and 5113. Laboratory. (F)               |
| GEOL    | 4133   | Petroleum Geology for Geoscientists       | Prerequisite: GEOL 3233 and GEOL 3114, majors only. Addresses the origin and distribution of conventional and unconventional petroleum resources, the petroleum system, source rocks, traps and seals, reservoir rock properties, and exploration and development methods. (F)   |
| GEOL    | 4136   | Field Geology                             | Prerequisite: 3123; senior standing or permission. A six-week summer course held at the Oklahoma Geology Camp at Canon City, Colorado. Applications of field techniques, including use of aerial photographs, construction of geological maps and geophysical methods, to the recognition and interpretation of geologic phenomena. (Su) [V]   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| GEOL    | 4143   | Petroleum Geology for Business Majors                                    | Prerequisite: 1104 or 1114. The integration of several fields of geology with geochemistry, geophysics, and engineering to provide an overview of the science and technology used in the exploration for and development of oil and natural gas fields. Briefly covers historical development of petroleum geology, amount and location of the world's major oil and gas reserves, and future potential for conventional and non-conventional hydrocarbon resources. (F)   |
| GEOL    | 4204   | Vertebrate Paleobiology  | (Crosslisted with ZOO 4204; Slashlisted with 5204) Prerequisite: Zoology 1114 and 1121, or 1124, or Biology 1134, or permission of instructor. Systematics, relationships, zoogeography and evolutionary morphology of the major groups of vertebrates. Field trips. No student may earn credit for both 4204 and 5204 or either Zoology 4204 or 5204. (Sp-odd-numbered years)   |
| GEOL    | 4213   | Earth System History   | Prerequisite: 4113 or concurrent enrollment; or permission of instructor. Provides an earth system perspective to earth history that emphasizes tectonic, climatic and biotic interactions throughout geologic time. No student may earn credit for both 4213 and 5213. (F)  |
| GEOL    | 4223   | Principles of Geochemistry (Slashlisted with 5223)                       | Prerequisite: 2224, Chemistry 1315, and 1415. Experience with calculus recommended. Overview of major topics in geochemistry, emphasizing thermodynamics and kinetics within the context of natural systems. Additional topics will include nucleosynthesis and cosmochemistry, bulk Earth geochemistry, chemistry and bonding of natural materials, solutions and mineral solubility, redox processes, interfacial geochemistry, and isotope geochemistry. No student may earn credit for both 4223 and 5223. Laboratory (Alt. Sp)                                |
| GEOL    | 4233   | Subsurface Methods   | Prerequisite: GEOL 4133 and majors only. Addresses the concepts and methods of subsurface petroleum analysis. The petroleum system is evaluated through geological, petrophysical, subsurface mapping, and 3-D reservoir modeling methods using drill cuttings, core, well logs, production data, and 3-D seismic data. (Sp)   |
| GEOL    | 4243   | Electron Microbeam Methods   | (Slashlisted with 5243) Prerequisite: senior standing and permission of instructor. Provides the background necessary to effectively use electron microbeam (scanning electron microscope, electron microprobe) techniques to conduct spatial and compositional characterization on operational theory coupled with applied (hands-on) utilization of a modern electron microprobe. No student may earn credit for both 4243 and 5243. Laboratory (F)  |
| GEOL    | 4373   | History of Geology   | (Slashlisted with 5373) Prerequisite: junior standing. History of science and the scientific method with an emphasis on geology. Greek science, scholasticism, Copernican revolution Francis Bacon, principle of uniformity, evolution, continental drift, climate, progress. Discussion of writings by Plato, Geike, Kuhn, Popper, Chamberlin, Gilbert, Hubbert and others. No student may earn credit for both 4373 and 5373. (F) [IV-WC]  |
| GEOL    | 4413   | Paleobotany  | (Crosslisted with BOT 4413; Slashlisted with 5413) Prerequisite: permission of instructor. Introduction to the fossil record of terrestrial plants from algae to flowering plants. Lectures will address anatomy, morphology, taphonomy and paleoecology, including climate and plant-animal interactions. Laboratories will put lecture topics into practice using fossil plants from the Oklahoma Museum of Natural History collection and from fieldwork. Field trips. No student may earn credit for both 4413 and 5413. Laboratory. (Sp, even-numbered years) |
| GEOL    | 4513   | Evolutionary Paleobiology  | (Slashlisted with 5513) Prerequisite: 3513. Evolutionary patterns in the fossil record. Time resolution and bias in fossil assemblages. Taxonomic diversity and community replacement over geologic time. Mass extinctions and evolutionary radiations. Heterochrony and evolution. Application of methods in biosystematics to fossils, including computer-based techniques. No student may earn credit for both 4513 and 5513. (Alt. Sp)   |
| GEOL    | 4533   | Earth's Past Climate (Crosslisted with METR 4533; Slashlisted with 5533) | (Crosslisted with METR 4533; Slashlisted with 5533). Prerequisite: senior or graduate standing, or permission of instructor. Explores earth's climate system, controls on climate change, and evolution of climate history through geologic time as deciphered from climate proxies. No student may earn credit for both 4533 and 5533. (F)  |

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| Subject | Number | Title                                  | Course Description   |
|---------|--------|--|--|
| GEOL    | 4633   | Hydrogeology                           | Prerequisite: MATH 2924 or MATH 2443, PHYS 2524, senior standing in geology, or permission of instructor. Darcy's law, Hubbert's fluid potential, equations of groundwater flow. Physical properties of geologic materials and fluids. Free convection, compaction- and gravity-driven flow. Role of fluids in geologic phenomena, including mineralization, metamorphism, hydrocarbon migration, sedimentary diagenesis, faulting and earthquakes, paleomagnetism. Application of geologic and geophysical techniques to fluid flow problems. (F) |
| GEOL    | 4843   | Economic Geology--Metallic Deposits    | (Slashlisted with 5843) Prerequisite: GEOL 3114, GEOL 3223, and GEOL 3233. Introductory study of the important metallic ore deposits of the world; geology, origin and economic features of the deposits. No student may earn credit for both 4843 and 5843. (Irreg.)  |
| GEOL    | 4864   | Geomicrobiology                        | (Crosslisted with MBIO 4864; Slashlisted with 5864) Prerequisite: Microbiology 3813 or permission of instructor. Life below the earth's surface. Bacterial degradation of pollutants. Petroleum microbiology. Role of microorganisms in geochemical cycling of carbon, sulfur, and metals. No student may earn credit for both 4864 and 5864. (F) [II-NL]  |
| GEOL    | 4923   | Pegmatites                             | (Slashlisted with 5923) Prerequisite: GEOL 3223, CHEM 1415, and permission of instructor. Granitic pegmatites are the most complex rocks on earth. Class instructs students in the use of scientific methods, including historical background, working hypotheses, analytical methods, experimental test, and theory as they are utilized in solving the origins of pegmatites. No student may earn credit for both 4923 and 5923. (Sp)  |
| GEOL    | 4960   | Directed Readings                      | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| GEOL    | 4970   | Seminar                                | 1 to 3 hours. Prerequisite: permission. May be repeated; maximum credit nine hours. (F, Sp)  |
| GEOL    | 4983   | Senior Thesis in Geology               | Prerequisite: senior standing with a major in geology and permission. May not be repeated. Individual research of a geological topic selected by the student in consultation with the instructor. The project may involve fieldwork, theoretical analysis, computer modeling, and/or data analysis and interpretation, culminating in a written thesis. (F, Sp, Su)  |
| GEOL    | 4990   | Independent Study                      | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit nine hours. Contracted independent study for topics not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| GEOL    | 5003   | Diagenesis                             | Prerequisite: 26 hours of geology or geophysics or permission. Origin and interpretation of diagenetic features of sedimentary rocks, including porosity, permeability, fluid flow, compaction and cementation. Geochemical approaches are stressed. Laboratory. (Irreg.)  |
| GEOL    | 5010   | Paleomagnetism/Diagenesis Seminar      | Prerequisite: Senior or graduate standing; GPHY 5364 suggested. Seminar includes presentations by the professor on research topics as well as presentations by students on papers they read. In addition, each student will also make at least one presentation on their research. Also, students will work through a self-instruction lab with the microscopes. Focuses on recognizing diagenetic features that are important for paleomagnetism. May be taken for a total of six credit hours. (F, Sp)   |
| GEOL    | 5020   | Sedimentology and Stratigraphy Seminar | Prerequisite: graduate standing. May be repeated with change of content; maximum credit twelve hours. Directed seminar on selected aspects of sedimentology and stratigraphy. (F, Sp)  |
| GEOL    | 5030   | Petrology Seminar                      | Prerequisite: GEOL 3223. May be repeated; maximum credit 12 hours. Topical presentations and discussions in hard-rock petrology, and related geochemistry and mineralogy, given by faculty, graduate students, and visiting school colloquium speakers. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| GEOL    | 5113   | Depositional Systems and Stratigraphy              | (Slashlisted with 4113) Prerequisite: Graduate Standing, GEOL 3233, and GEOL 3114 or equivalent. Basic stratigraphic principles as well as reconstruction of ancient depositional systems. The controls (climatic, tectonic, eustatic) on deposition of stratigraphic sequences, stratigraphic completeness, biostratigraphy, magnetostratigraphy, and sequence stratigraphy. Field trip; students will be charged transportation costs. No student may earn credit for both 4113 and 5113. Laboratory. (F)                 |
| GEOL    | 5173   | Clastic Facies                                     | Prerequisite: 3233 or 4113 or equivalent. Bedforms, sedimentary structures, flow regime, intrinsic versus extrinsic controls on sedimentation, ancient depositional environments and depositional models (alluvial fan, fluvial, deltaic, lacustrine, eolian, shelf, etc.). (F)   |
| GEOL    | 5204   | Vertebrate Paleobiology                            | (Crosslisted with ZOO 5204; Slashlisted with 4204) Prerequisite: graduate standing and permission of instructor. Systematics, relationships, zoogeography, and evolutionary morphology of the major groups of vertebrates. Field trips. No student may earn credit for both 4204 and 5204 or either Zoology 4204 or 5204. Laboratory (Sp odd-numbered years)  |
| GEOL    | 5213   | Earth System History                               | Prerequisite: graduate standing or permission of instructor. Provides an earth system perspective to earth history that emphasizes tectonic, climatic and biotic interactions throughout geologic time. No student may earn credit for both 4213 and 5213. (F)  |
| GEOL    | 5223   | Principles of Geochemistry (Slashlisted with 4223) | Prerequisite: graduate standing or permission of instructor. Overview of major topics in geochemistry, emphasizing thermodynamics and kinetics within the context of natural systems. Additional topics will include nucleosynthesis and cosmochemistry, bulk Earth geochemistry, chemistry and bonding of natural materials, solutions and mineral solubility, redox processes, interfacial geochemistry, and isotope geochemistry. No student may earn credit for both 4223 and 5223. Laboratory (Alt. Sp)                |
| GEOL    | 5243   | Electron Microbeam Methods                         | (Slashlisted with 4243) Prerequisite: graduate standing and permission of instructor. Provides the background necessary to effectively use electron microbeam (scanning electron microscope, electron microprobe) techniques to conduct spatial and compositional characterization of multi-component solid materials, to be achieved through lecture on operational theory coupled with applied (hands-on) utilization of a modern electron microprobe. No student may earn credit for both 4243 and 5243. Laboratory. (F) |
| GEOL    | 5343   | Stable Isotope Geochemistry                        | Prerequisite: Chemistry 1315, 1415; senior or graduate standing. Focuses on the stable isotopes of light elements (C, H, O, N, S) in the various processes that have resulted in their redistribution over geologic time. (Alt. F)  |
| GEOL    | 5353   | Carbonates and Sequence Stratigraphy               | Prerequisite: Senior undergraduate or graduate standing and permission of instructor. Sedimentology, sequence stratigraphy, paleo-climate, and reservoir attributes of Paleozoic carbonates (and associated eolian, fluvial and deep-water siliciclastics) of the classic Permian basin region. A highlight is a major field trip to world-class exposures in the Sacramento (NM) and Guadalupe (TX) mountains. (Irreg.)  |
| GEOL    | 5363   | Carbonate Geology                                  | Prerequisite: 26 hours of geology and geophysics, or permission. Students will be charged field trip costs. Petrology and petrography of modern and ancient chemical rocks, the reconstruction of their physical/chemical depositional and diagenetic environments in time and space; applied interpretation of cores, petrophysical logs, and seismic; five-day field trip to the Florida Keys. (Irreg.)   |
| GEOL    | 5373   | History of Geology                                 | (Slashlisted with 4373) Prerequisite: graduate standing. History of science and the scientific method with an emphasis on geology. Greek science, scholasticism, Copernican revolution Francis Bacon, principle of uniformity, evolution, continental drift, climate, progress. Discussion of writings by Plato, Geike, Kuhn, Popper, Chamberlin, Gilbert, Hubbert and others. No student may earn credit for both 4373 and 5373. (F)   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| GEOL    | 5413   | Paleobotany  | (Crosslisted with BOT 5413; Slashlisted with 4413) Prerequisite: permission of instructor. Introduction to the fossil record of terrestrial plants from algae to flowering plants. Lectures will address anatomy, morphology, taphonomy and paleoecology, including climate and plant-animal interactions. Laboratories will put lecture topics into practice using fossil plants from the Oklahoma Museum of Natural History collection and from fieldwork. Field trips. No student may earn credit for both 4413 and 5413. Laboratory. (Sp, even-numbered years) |
| GEOL    | 5513   | Evolutionary Paleobiology  | (Slashlisted with 4513) Prerequisite: 3513. Evolutionary patterns in the fossil record. Time resolution and bias in fossil assemblages. Taxonomic diversity and community replacement over geologic time. Mass extinctions and evolutionary radiations. Heterochrony and evolution. Application of methods in biosystematics to fossils, including computer-based techniques. No student may earn credit for both 4513 and 5513. (Alt. Sp)   |
| GEOL    | 5533   | Earth's Past Climate (Crosslisted with METR 5533; Slashlisted with 4533) | (Crosslisted with METR 5533; Slashlisted with 4533) Prerequisite: senior or graduate standing, or permission of instructor. Explores earth's climate system, controls on climate change, and evolution of climate history through geologic time as deciphered from climate proxies. No student may earn credit for both 4533 and 5533. (F)   |
| GEOL    | 5544   | Minerals and the Environment   | Prerequisite: graduate standing or permission of instructor. Explores the bonding and reactivity of common environmental minerals. Laboratory methods in environmental mineral analysis including, but are not limited to, diffraction, microscopy, and spectroscopy. Laboratory (F)   |
| GEOL    | 5713   | Introduction to Geostatistics  | (Crosslisted with G E 5713 and P E 5713) Prerequisite: Graduate Standing or permission of instructor. Introduction to geostatistical concepts, Principles and tools for description and modeling of spatial variability in oil/gas reservoirs and other geological formations. Topics include review of basic statistic concepts, exploratory spatial data analysis, stationary and ergodicity, variogram and covariance, kriging, spatial sampling, stochastic realizations and simulations, conditioning, and indicator kriging. (Sp)                            |
| GEOL    | 5733   | Tectonics and Sedimentation in Rift Basins                               | (Crosslisted with GPHY 5733) Prerequisites: graduate standing or permission of instructor. Provides a basic understanding of the geodynamics of rifting and the resulting sedimentary response through a series of basic lectures outlining fundamental concepts of rift dynamics and rift sedimentology, followed by discussion-based analysis of rift "case studies" that highlight interesting components of the relationship between tectonics and sedimentation in rift systems. (F)  |
| GEOL    | 5813   | Basin Analysis for Oil and Gas   | Prerequisite: permission. Development of exploration guidelines to oil and gas (origin, migration, accumulation) based on regional tectonic styles and related time and place associations of structure, sedimentation, heat history and fluid pressures. Laboratory. (F)  |
| GEOL    | 5843   | Economic Geology--Metallic Deposits                                      | (Slashlisted with 4843) Prerequisite: GEOL 3114, GEOL 3223, and GEOL 3233. Introductory study of the important metallic ore deposits of the world; geology, origin and economic features of the deposits. No student may earn credit for both 4843 and 5843. (Irreg.)  |
| GEOL    | 5853   | Groundwater and Seepage  | (Crosslisted with CEES 5853) Prerequisite: graduate standing in civil engineering, environmental science or geology or permission. An applied course dealing with properties of aquifers, modeling of groundwater flow, groundwater hydrology and its interrelation with surface water, well hydraulics, pumping tests and safe yield of aquifers. (F)   |
| GEOL    | 5864   | Geomicrobiology  | (Crosslisted with MBIO 5864; Slashlisted with 4864) Prerequisite: Microbiology 3813 or permission of instructor. Life below the earth's surface. Bacterial degradation of pollutants. Petroleum microbiology. Role of microorganisms in geochemical cycling of carbon, sulfur, and metals. No student may earn credit for both 4864 and 5864. (F)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| GEOL    | 5923   | Pegmatites                              | (Slashlisted with 4923) Prerequisite: GEOL 3223, CHEM 1415, and permission of instructor. Granitic pegmatites are the most complex rocks on earth. Class instructs students in the use of scientific methods, including historical background, working hypotheses, analytical methods, experimental test, and theory as they are utilized in solving the origins of pegmatites. No student may earn credit for both 4923 and 5923. (Sp) |
| GEOL    | 5960   | Directed Readings                       | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| GEOL    | 5970   | Special Topics/Seminar                  | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| GEOL    | 5980   | Research for Master's Thesis            | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| GEOL    | 5990   | Special Studies                         | 1 to 3 hours. Prerequisite: permission. May be repeated; maximum credit nine hours. Advanced special studies in geological problems. May include directed reading in geology, fieldwork, laboratory research or preparation of reports. (F, Sp, Su)   |
| GEOL    | 5999   | Graduate Level Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| GEOL    | 6103   | Petroleum Geochemistry                  | Prerequisite: graduate standing in geology or chemistry. An introduction to the basic concepts of petroleum geochemistry and their role in exploration. Includes the biomarker concept, pyrolysis techniques, isotopes in petroleum exploration, basin modeling and kinetic studies, organic petrography and detailed studies of a number of case histories. (Irreg.)   |
| GEOL    | 6283   | Seismic Reservoir Modeling              | (Crosslisted with G E and P E 6283) Prerequisite: graduate standing or permission of instructor. This course is designed to explore the seismic response of rocks and how it is related to petrophysical parameters. This understanding is key to interpretation of seismic data in terms of subsurface rocks and fluids. (F)   |
| GEOL    | 6453   | Topics in Petrology and Plate Tectonics | Prerequisite: graduate standing, GEOL 3114, GEOL 3223, and GEOL 3233. May be repeated with change of subject matter; maximum credit six hours. Geological processes at plate margins with emphasis on the relationship between structural and petrologic features: plate kinematics and petrotectonic associations; the origin of mountain belts, basins, and rock suites at convergent, divergent, and transform boundaries. (Irreg.)  |
| GEOL    | 6950   | Research                                | 1 to 4 hours. Prerequisite: graduate standing and permission of faculty supervisor. May be repeated with change of content; maximum credit twelve hours. Individual research in various areas of geology. (F, Sp, Su)   |
| GEOL    | 6960   | Directed Readings                       | 1 to 6 hours. Prerequisite: graduate standing and permission of faculty supervisor. May be repeated; maximum credit six hours. Supervised reading at an advanced graduate level. (F, Sp, Su)  |
| GEOL    | 6970   | Seminar                                 | 1 to 4 hours. Prerequisite: graduate standing and permission of faculty supervisor. May be repeated with change of subject matter; maximum credit 20 hours. Directed seminar on selected aspects of geologic knowledge and inquiry. (F, Sp, Su)   |
| GEOL    | 6980   | Research for Doctoral Dissertation      | 2 to 16 hours. (F, Sp, Su)  |
| GEOL    | 6990   | Independent Study                       | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| GEOS    | 1999   | Lower Division Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |



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| Subject | Number | Title                                   | Course Description   |
|---------|--------|---|--|
| GEOS    | 3960   | Honors Reading                          | 1 to 3 Hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers topics not usually presented in the regular courses. (F, Sp, Su)   |
| GEOS    | 3970   | Honors Seminar                          | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| GEOS    | 3999   | Upper Division Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| GEOS    | 5510   | Selected Topics                         | Selected Topics. 1 To 9 Hours. Prerequisite: Permission Of Instructor. May Be Repeated With Change Of Subject Matter; Maximum Credit Nine Hours. Current Or Special Topics Relating To The Geosciences; May Be Structured For Students In Other Areas. (Irreg.)  |
| GEOS    | 5999   | Graduate Level Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| GERM    | 1115   | Beginning German                        | An elementary course in understanding, speaking, reading and writing German. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F, Sp, Su) [I-FL]  |
| GERM    | 1225   | Beginning German (Continued)            | (Continued) Prerequisite: 1115. An elementary course in understanding, speaking, reading and writing German. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F, Sp, Su) [I-FL]  |
| GERM    | 1999   | Lower Division Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| GERM    | 2113   | Intermediate German                     | Prerequisite: 1225. Develops reading skills and control of grammar. Emphasis on expansion of vocabulary and strong reinforcement of grammatical structures. Reading and discussion of texts of literary and cultural interest. Oral and written assignments. (F, Sp)   |
| GERM    | 2223   | Intermediate German (Continued)         | (Continued) Prerequisite: 2113. (F, Sp)  |
| GERM    | 2323   | German Composition and Conversation     | Prerequisite: 2113. Exercises in oral and written German. Reading of cultural and literary texts of contemporary interest. Emphasis on writing and speaking German. (F, Sp)  |
| GERM    | 2970   | Special Topics                          | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.  |
| GERM    | 3333   | Internship in a German-Speaking Country | Prerequisite: junior or senior standing or permission of instructor. May be repeated; maximum credit six hours. Supplements as well as enhances a work experience of at least four weeks in a German-speaking country (e.g., Federal Republic of Germany, Federal Republic of Austria, Switzerland, Liechtenstein, German-speaking northern Italy, German-speaking eastern Belgium) that is typically undertaken during the summer. The course involves research, reflection, and oral and written communication about the internship experience. (Su) |
| GERM    | 3423   | Advanced German Composition             | Prerequisite: GERM 2223. The inculcation of proper writing habits, at an advanced level, toward the achievement of idiomatic German. (Sp)  |
| GERM    | 3440   | Mentored Research Experience            | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| GERM    | 3523   | Advanced Conversation   | Prerequisite: GERM 2223. Practice in conversational skills at an advanced level. (Sp)  |
| GERM    | 3623   | Business German   | Prerequisite: 2223. Introduces German business language as used in retail/wholesale, export/import, transport, and media. Will also familiarize the student with the European Union and cultural aspects of the German speaking business world. (F)  |
| GERM    | 3723   | German for the European Market                                | Prerequisite: 2223. German business language as used in banking transactions, marketing, business letters, and business firms such as corporations, general and limited partnerships, and trade unions. How to respond to claims by firms in European countries and how to establish subsidiaries in another European country. Prepares students to take the "Prüfung Wirtschaftsdeutsch" (International Certificate in Business German). (Sp) |
| GERM    | 3853   | Literature and Film   | Prerequisite: GERM 2223. Introduction to representative works of contemporary German literature and film. Within the context of reading and writing assignments and the viewing and discussion of films, the course is designed to improve language skills and knowledge of German culture. (F)  |
| GERM    | 3960   | Honors Reading  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp)   |
| GERM    | 3980   | Honors Research   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp)   |
| GERM    | 3990   | Independent Study   | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp)  |
| GERM    | 3999   | Upper Division Transfer Credit                                | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| GERM    | 4003   | History of the German Language                                | (Slashlisted with 5003) Prerequisite: 3423, 3853. Linguistic, cultural, and social evolution of the German language from Indo-European times to the present. Additional emphasis is given to the place of German within the Germanic family of languages and to significant socio-linguistic issues in German-speaking countries as they enter the new millennium. No student may earn credit for both 4003 and 5003. (F)                      |
| GERM    | 4013   | German for Graduate Reading and Research                      | Prerequisite: permission of instructor. Designed as initial preparation for the advanced reading examination. This course does not count for major credit in the Department of Modern Languages, Literatures, and Linguistics. The course sequence of 4013 and 4023 does not satisfy any component of the University language requirement. (F)   |
| GERM    | 4113   | The Middle Ages   | (Slashlisted with 5113) Prerequisite: 3423, 3853. Secular and religious literature of medieval Germany, Austria, Switzerland, and the Netherlands discussed within the international cultural context of the European Middle Ages. No student may earn credit for both 4113 and 5113. (Alt. F)   |
| GERM    | 4253   | Goethe's Faust and the Problem of Evil                        | (Slashlisted with 5253) Prerequisite: 3423 and 3853. Intensive study of Faust I, Faust II, and the Urfaust. The social and cultural history of the Faust figure, up to Goethe's Faust, will also be explored. No student may earn credit for both 4253 and 5253. (Irreg.)  |
| GERM    | 4313   | Literature and Culture Pre-1700                               | Prerequisite: 3423 or 3853. From the beginnings until the end of the seventeenth century. A survey of literature, art, religion, social relations, music and history. (Alt. F)   |
| GERM    | 4323   | Literature and Culture 1700-1890                              | Prerequisite: 3423 or 3853. Literature from 1700 to 1900. A survey of literature, art, philosophy, social relations, music and history. (Alt. F)   |
| GERM    | 4333   | Topics in the Twentieth Century German Literature and Culture | Prerequisite: 3423 or 3853. From 1900 to the present. A survey of literature, art, film, social relations, music and history. (Sp) [V]   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| GERM    | 4353   | German Poetry in its Cultural Context   | (Slashlisted with 5353.) Prerequisite: GERM 3423 or GERM 3853. Focuses on the role that poetry has played in the formation of cultural identity in German-speaking countries from the twelfth to the twentieth century. Makes students aware of the way in which poetry reflects the major cultural developments of this period and gives them the critical skills needed to read, understand, appreciate, and write on German poems. No student may earn credit for both 4353 and 5353. (Irreg.) |
| GERM    | 4433   | German Classicism and Romanticism   | (Slashlisted with 5433) Prerequisite: 3423, 3853. A comprehensive study of the characteristics of Classicism and Romanticism with emphasis on contrasts in literary theory and techniques. No student may earn credit for both 4433 and 5433. (Alt. F)  |
| GERM    | 4633   | Inventing Germany in The Eighteenth Century   | (Slashlisted with 5633) Prerequisite: GERM 3423, GERM 3853. This interdisciplinary seminar considers diverse efforts by artists and intellectuals in the late eighteenth century to imagine an ideal public sphere. Many of these visions proved foundational for later conceptions of the German nation. No student may earn credit for both GERM 4633 and GERM 5633. (Irreg.)   |
| GERM    | 4643   | 19th-Century States of Mind: National and Psychological Identities in Germany and Austria | (Slashlisted with 5643) Prerequisite: GERM 3423 or GERM 3853. Considers how 19th-century German and Austrian authors explored the relationship between the individual and the state amid shifting perceptions of national identity. Encompassing various genres, including the Novelle, drama, poetry, and the novel, addressing major literary movements such as Romanticism, Realism, and Naturalism. No student may earn credit for both 4643 and 5643. (Irreg.)                               |
| GERM    | 4663   | Early Twentieth Century Literature  | (Slashlisted with 5663) Prerequisite: 3423, 3853. A study of the literature and theory of the first half of the twentieth century. Special attention will be given to naturalism, impressionism, and expressionism. No student may earn credit for both 4663 and 5663. (Alt. F)   |
| GERM    | 4773   | Post-1945 German Literature and Culture in Modern Europe                                  | (Slashlisted with 5773) Prerequisite: 3423, 3853. Study of selected prose, poetry, and drama written after World War II in Austria, East Germany, Switzerland and West Germany, within the context of cultural and economic changes. Also includes contemporary German films. No student may earn credit for both 4773 and 5773. (F) [IV-WC]  |
| GERM    | 4953   | Literature, Art and Culture in Turn-of-the-Century Austria                                | Prerequisite: 3423, 3853. Examines two antithetical impulses in the Habsburg fin de siecle: to revel in ornamental display and to reveal essences beneath the exterior. Examines the tension and interplay between the two tendencies in the fields of literature, art, architecture, and theory, and consider some representative figures of the period, such as Klimt, Freud, Rilke, and Kafka. No student may earn credit for both 4953 and 5953. (Irreg.)                                     |
| GERM    | 4960   | Directed Readings   | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| GERM    | 4970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| GERM    | 4990   | Independent Study   | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp)  |
| GERM    | 5003   | History of the German Language  | (Slashlisted with 4003) Prerequisite: graduate standing. Linguistic, cultural, and social evolution of the German language from Indo-European times to the present. Additional emphasis is given to the place of German within the Germanic family of languages and to significant socio-linguistic issues in German-speaking countries as they enter the new millennium. No student may earn credit for both 4003 and 5003. (F)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| GERM    | 5113   | The Middle Ages   | (Slashlisted with 4113) Prerequisite: graduate standing. Secular and religious literature of medieval Germany, Austria, Switzerland, and the Netherlands discussed within the international cultural context of the European Middle Ages. No student may earn credit for both 4113 and 5113. (Alt. F)  |
| GERM    | 5253   | Goethe's Faust and the Problem of Evil  | (Slashlisted with 4253) Prerequisite: graduate standing. Intensive study of Faust I, Faust II, and the Urfaust. The social and cultural history of the Faust figure, up to Goethe's Faust, will also be explored. No student may earn credit for both 4253 and 5253. (Irreg.)  |
| GERM    | 5353   | German Poetry in its Cultural Context   | (Slashlisted with 4353) Prerequisite: graduate standing and GERM 3423 or GERM 3853. Focuses on the role that poetry has played in the formation of cultural identity in German-speaking countries from the twelfth to the twentieth century. Makes students aware of the way in which poetry reflects the major cultural developments of this period and gives them the critical skills needed to read, understand, appreciate, and write on German poems. No student may earn credit for both 4353 and 5353. (Irreg.) |
| GERM    | 5633   | Inventing Germany in the Eighteenth Century   | (Slashlisted with 4633) Prerequisite: graduate standing. This interdisciplinary seminar considers diverse efforts by artists and intellectuals in the late eighteenth century to imagine an ideal public sphere. Many of these visions proved foundational for later conceptions of the German nation. No student may earn credit for both GERM 4633 and GERM 5633. (Irreg.)   |
| GERM    | 5643   | 19th-Century States of Mind: National and Psychological Identities in Germany and Austria | (Slashlisted with 4643) Prerequisite: graduate standing and GERM 3423 or GERM 3853. Considers how 19th-century German and Austrian authors explored the relationship between the individual and the state amid shifting perceptions of national identity. Encompassing various genres, including the Novelle, drama, poetry, and the novel, addressing major literary movements such as Romanticism, Realism, and Naturalism. No student may earn credit for both 4643 and 5643. (Irreg.)                              |
| GERM    | 5663   | Early Twentieth Century Literature  | (Slashlisted with 4663) Prerequisite: graduate standing. A study of the literature and theory of the first half of the twentieth century. Special attention will be given to naturalism, impressionism, and expressionism. No student may earn credit for both 4663 and 5663. (Alt. F)   |
| GERM    | 5773   | Post-1945 German Literature and Culture in Modern Europe                                  | (Slashlisted with 4773) Prerequisite: graduate standing. Study of selected prose, poetry, and drama written after World War II in Austria, East Germany, Switzerland and West Germany, within the context of cultural and economic changes. Also includes contemporary German films. No student may earn credit for both 4773 and 5773. (F)  |
| GERM    | 5910   | Problems in Research  | 2 to 4 hours. May be repeated with change of content; maximum credit nine hours. An individual course of intensive research with the area and problem to be determined by the student and directing instructor. (F, Sp)  |
| GERM    | 5930   | Seminar in German Literature and Culture  | 2 to 3 hours. Prerequisite: one 5000-level course in same general area. May be repeated with change of subject matter; maximum credit nine hours. In-depth study of a topic in German literature and culture. (Irreg.)   |
| GERM    | 5953   | Literature, Art and Culture in Turn-of-the-Century Austria                                | Prerequisite: graduate standing. Examines two antithetical impulses in the Habsburg fin de siècle: to revel in ornamental display and to reveal essences beneath the exterior. Examines the tension and interplay between the two tendencies in the fields of literature, art, architecture, and theory, and consider some representative figures of the period, such as Klimt, Freud, Rilke, and Kafka. No student may earn credit for both 4953 and 5953. (Irreg.)   |
| GERM    | 5960   | Directed Readings   | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| GERM    | 5970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| GERM    | 5980   | Research for Master's Thesis                          | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp)  |
| GERM    | 5990   | Independent Studies                                   | 1 to 3 hours. Prerequisite: graduate standing, permission of instructor. May be repeated; maximum credit 12 hours. Independent reading on one or more topics under the general direction of a faculty member. (F, Sp, Su)   |
| GERM    | 5999   | Graduate Level Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| GIS     | 1999   | Lower Division Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| GIS     | 2013   | Geospatial Technologies and Society                   | Prerequisite: ENGL 1213. Examines the impacts of geospatial technologies on 21st-century society and considers how these rapidly evolving technologies can be used most effectively to promote global environmental sustainability and social justice. (Irreg.)   |
| GIS     | 2023   | Introduction to Spatial Thinking and Computer Mapping | Facilitates the effective communication of geographic information through sound cartographic principles and techniques. Introduces students to geographic information literacy, spatial perspectives on information management, and the use of maps as a communication tool. (Sp)   |
| GIS     | 2453   | Spatial Thinking and GIS Visualization                | The course introduces students to spatial perspectives on information management and analysis, and the use of maps as an effective means of information integration and communication. (F)  |
| GIS     | 2970   | Special Topics  | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)  |
| GIS     | 3023   | Research Methods for Geoinformatics                   | Prerequisite: GIS 2023 or concurrent enrollment. Introduction to the fundamentals of research methodology in key GIS study areas, as well as the application of these methodologies in answering spatially-based research questions. In addition, students will be introduced to the issue of research ethics in studying human subjects and the role of the Institutional Research Board. (Irreg.)   |
| GIS     | 3440   | Mentored Research Experience                          | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| GIS     | 3960   | Honors Reading  | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| GIS     | 3970   | Honors Seminar  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| GIS     | 3980   | Honors Research                                       | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| GIS     | 3990   | Independent Study                                     | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| GIS     | 3999   | Upper Division Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| GIS     | 4013   | Fundamentals of Geographic Information Systems | (Slashlisted with 5013) Prerequisite: GIS 2023. Designed to help students learn introductory to intermediate concepts of geographic information science (GIScience) and become proficient users of geographic information systems (GIS). The course covers a variety of topics but focuses on GIS data models, data structures, and spatial analysis. Teaching formats include lectures, in-class exercises and lab exercises. No student may earn credit for both 4013 and 5013. (F, Sp)  |
| GIS     | 4133   | Fundamentals of Remote Sensing                 | (Slashlisted with 5133) Prerequisite: junior standing or permission of instructor. An introduction to the theory and interpretation of remote sensing imagery, with emphasis on photographic, multi-spectral, thermal, and microwave remote sensing systems. Imagery from aircraft, satellite and low-altitude platforms will be used to illustrate geographic and environmental applications of remote sensing. Introduction to preprocessing (DIP). No student may earn credit for both 4133 and 5133. (F)   |
| GIS     | 4200   | Internship in Geoinformatics                   | 1 to 6 hours. Prerequisite: junior standing and permission of instructor. May be repeated; maximum credit six hours. Provides career training experience whereby students may apply geoinformatics skills and further develop professional capabilities in a realistic setting. Students will be assigned to private industry, government agencies or educational institutions on an individual basis and report on their experience to the instructor. (F, Sp, Su)  |
| GIS     | 4233   | Digital Image Processing                       | (Slashlisted with 5233) Prerequisite: 4133/5133 or permission of instructor. Theory and techniques for computer processing (DIP) of digital earth resources satellite imagery and incorporation into geographic information systems. (Sp)  |
| GIS     | 4253   | GIS Applications                               | (Slashlisted with 5253) Prerequisite: GIS 4013. Designed to help students learn intermediate and advanced concepts of geographic information science related to a variety of socio-economic and environmental fields. Course topics may include: landscape ecology and metrics; suitability modeling; binary and ranking index models; routing and network analysis; and other topics applicable to social or environmental fields. Teaching formats include both lectures and lab exercises. No student may earn credit for both 4253 and 5253. (Sp)  |
| GIS     | 4343   | Introduction to Earth System Dynamics          | (Slashlisted with 5343, Crosslisted with METR 4343) Prerequisite: junior standing in a science or engineering major or by permission of instructor. Making use of simple numerical models this course introduces the use of concepts from systems dynamics to better describe and understand the Earth System. Systems dynamics topics will include Lovelock's daisy world, simple radiation budget climate models, the global carbon cycle, flocking of birds and other animals, and the synchronization of the emergence of seven-year locusts, all from a holistic systems perspective. The STELLA systems modeling software will be used throughout the course and students will develop a model of a natural system. No student may earn credit for both 4343 and 5343. (F) |
| GIS     | 4353   | Survey of Geospatial Information Technologies  | Prerequisite: junior standing or permission of instructor. Overview of theories, applications, and practices of modern geospatial information technologies, including global positioning systems (GPS), remote sensing (RS), and geographic information systems (GIS). Course includes lectures, discussions, interactive and hands-on computer exercises, field projects, and site visits to OU research centers, local governments, and private geospatial information technologies companies. (Su)  |
| GIS     | 4393   | Automated Analysis of Spatial Grids            | (Slashlisted with 5393; Crosslisted with Meteorology 4393) Prerequisite: MATH 3333 and an introductory programming course or instructor approval. Provides students with a foundation in topics of digital image processing and data mining as applied to geospatial datasets. By the end of this course, students will be able to devise and implement automated techniques to extract information from spatial grids such as radar or satellite weather images. No student may earn credit for both 4393 and 5393. (Irreg.)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| GIS     | 4453   | Advanced GIS and Spatial Analysis              | (Slashlisted with 5453) Prerequisite: GIS 2023 and GIS 4013 and GIS 4253, CS 1313 or CS 1323 or METR 1313 or MIS 3013, and upper-division standing; or permission of instructor. Expands and solidifies the GIS knowledge acquired in introductory and applied GIS classes. Focuses on highly complex geographic questions which cannot be solved in simple steps but instead require advanced GIS analysis and sometimes automation. The course is intended to prepare the student for a professional GIS position in the government or business world, or a higher-level graduate position. No student may earn credit for both 4453 and 5453. (Sp)  |
| GIS     | 4653   | Spatial Programming and GIS                    | (Slashlisted with 5653) Prerequisite: GIS 4013, upper-division standing or permission of instructor. Introduces students to geocomputation concepts, spatial programming skills and computational approaches to spatial data services and spatial problem solving. No student can earn credit for both 4653 and 5653. (F)  |
| GIS     | 4733   | Environmental Remote Sensing                   | (Slashlisted with 5733; Crosslisted with Botany 4733) Prerequisite: either a course or hands-on experience in remote sensing, GIS, statistical analysis, computer programming, or permission of the instructor and adviser. This course aims to help students develop comprehensive knowledge and advanced skills of remote sensing, and to apply it to the study of the structure, composition, and functions of vegetation, landscapes, and the biosphere. Students will learn laboratory and field-based hyperspectral data acquisition and analysis; field survey methods; land cover classification from multiple sensors (optical, microwave, and LiDAR) and time series data; and estimation of biophysical and biochemical parameters. Includes image processing software (ENVI) and algorithms. No student may earn credit for both 4733 and 5733. (Sp) |
| GIS     | 4923   | Spatial Statistics                             | (Slashlisted with 5923) Prerequisite: GEOG 3924, CS 1313 or CS 1323 or METR 1313 or MIS 3013, and upper-division standing; or permission of instructor. Explains and demonstrates methods and techniques in spatial sampling; spatial auto-correlation and spatial composition. It also delves into spatially adjusted regression, local statistics, and geo-statistics and related techniques. Theoretical explanations and derivations as well as practical applications making use of both ArcGIS and R. No student may earn credit for both 4923 and 5923. (Irreg.)  |
| GIS     | 4960   | Directed Readings                              | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| GIS     | 4970   | Special Topics/Seminar                         | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| GIS     | 4990   | Independent Study                              | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| GIS     | 5013   | Fundamentals of Geographic Information Systems | (Slashlisted with 4013) Prerequisite: graduate standing. Designed to help students learn introductory to intermediate concepts of geographic information science (GIScience) and become proficient users of geographic information systems (GIS). The course covers a variety of topics but focuses on GIS data models, data structures, and spatial analysis. Teaching formats include lectures, in-class exercises and lab exercises. No student may earn credit for both 4013 and 5013. (F, Sp)   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| GIS     | 5133   | Fundamentals of Remote Sensing        | (Slashlisted with 4133) Prerequisite: graduate standing or permission of instructor. An introduction to the theory and interpretation of remote sensing imagery, with emphasis on photographic, multi-spectral, thermal, and microwave remote sensing systems. Imagery from aircraft, satellite and low-altitude platforms will be used to illustrate geographic and environmental applications of remote sensing. Introduction to preprocessing (DIP). No student may earn credit for both 4133 and 5133. (F)  |
| GIS     | 5233   | Digital Image Processing              | (Slashlisted with 4233) Prerequisite: graduate standing, 4133/5133 or permission of instructor. Theory and techniques for computer processing (DIP) of digital earth resources satellite imagery and incorporation into geographic information systems. No student may earn credit for both 4233 and 5233. (Sp)   |
| GIS     | 5253   | GIS Applications                      | (Slashlisted with 4253) Prerequisite: graduate standing, GIS 5013. Designed to help students learn intermediate and advanced concepts of geographic information science related to a variety of socio-economic and environmental fields. Course topics may include: landscape ecology and metrics; suitability modeling; binary and ranking index models; routing and network analysis; and other topics applicable to social or environmental fields. Teaching formats include both lectures and lab exercises. No student may earn credit for both 4253 and 5253. (Sp)  |
| GIS     | 5343   | Introduction to Earth System Dynamics | (Slashlisted with 4343, Crosslisted with METR 5343) Prerequisite: MATH 3113 and PHYS 2524 with a grade of C or better, or permission of instructor. Making use of simple numerical models this course introduces the use of concepts from systems dynamics to better describe and understand the Earth System. Systems dynamics topics will include Lovelock's daisy world, simple radiation budget climate models, the global carbon cycle, flocking of birds and other animals, and the synchronization of the emergence of seven-year locusts, all from a holistic systems perspective. The STELLA systems modeling software will be used throughout the course and students will develop a model of a natural system. No student may earn credit for both 4343 and 5343. (F)  |
| GIS     | 5393   | Automated Analysis of Spatial Grids   | (Slashlisted with 4393; Crosslisted with METR 5393) Prerequisite: graduate standing, MATH 3333 and an introductory programming course or permission of instructor. Provides students with a foundation in topics of digital image processing and data mining as applied to geospatial datasets. By the end of this course, students will be able to devise and implement automated techniques to extract information from spatial grids such as radar or satellite weather images. No student may earn credit for both 4393 and 5393. (Irreg.)  |
| GIS     | 5453   | Advanced GIS and Spatial Analysis     | (Slashlisted with 4453). Prerequisite: GIS 5013 and GIS 5253, graduate standing. Expands and solidifies the GIS knowledge acquired in introductory and applied GIS classes. Focuses on highly complex geographic questions which cannot be solved in simple steps but instead require advanced GIS analysis and sometimes automation. The course is intended to prepare the student for a professional GIS position in the government or business world, or a higher-level graduate position. No student may earn credit for both 4453 and 5453. (Sp)   |
| GIS     | 5653   | Spatial Programming and GIS           | Prerequisite: graduate standing. Introduces students to geocomputation concepts, spatial programming skills and computational approaches to spatial data services and spatial problem solving. No student can earn credit for both 4653 and 5653. (F)   |
| GIS     | 5733   | Environmental Remote Sensing          | (Slashlisted with 4733; Crosslisted with BOT/PBIO 5733) Prerequisite: graduate standing, and either a course or hands-on experience in remote sensing, GIS, statistical analysis, computer programming, or permission of the instructor and adviser. This course aims to help students develop comprehensive knowledge and advanced skills of remote sensing, and to apply it to the study of the structure, composition, and functions of vegetation, landscapes, and the biosphere. Students will learn laboratory and field-based hyperspectral data acquisition and analysis; field survey methods; land cover classification from multiple sensors (optical, microwave, and LiDAR) and time series data; and estimation of biophysical and biochemical parameters. Includes image processing software (ENVI) and algorithms. No student may earn credit for both 4733 and 5733. (Sp) |



# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| GIS     | 5903   | Remote Sensing Hydrology                           | Prerequisite: senior standing, or graduate standing, or permission of instructor. Overview of various orbital satellite platforms/sensors and introduces advances in remote sensing hydrology from space-borne observations, state-of-the-art retrieval algorithms for hydrological variables, and ground validation strategies. Required for Hydrology minors. (Sp)   |
| GIS     | 5923   | Spatial Statistics                                 | (Slashlisted with 4923) Prerequisite: graduate standing, GEOG 3924. Explains and demonstrates methods and techniques in spatial sampling; spatial auto-correlation and spatial composition. It also delves into spatially adjusted regression, local statistics, and geo-statistics and related techniques. Theoretical explanations and derivations as well as practical applications, making use of both ArcGIS and R. No student may earn credit for both 4923 and 5923 (Irreg.)  |
| GIS     | 5933   | Climate Change, Water and Natural Hazards          | Prerequisite: senior standing, or graduate standing, or permission of instructor. A workshop style course for undergraduate and graduate students who wish to have a correct understanding of the Earth's climate history, climate variability, and climate extremes. With an overview of the climate change's causes, effects, and solutions, this course further examines how abrupt climate changes impact on natural hazards occurrences and water sustainability. (F)   |
| GIS     | 5953   | Computational Hydrology and Water Resource Systems | (Crosslisted with CEES 5953) Prerequisite: senior standing, or graduate standing, or permission of instructor. Covers fundamental theory and modeling of hydrological processes and basin-based water systems. Emphasis is placed on the application of quantitative methods to the analysis of interactions of hydrology, engineering, and socioeconomics in regional water resources systems. Users will learn how to solve a range of problems from simple linear hydrologic system, multi-objective optimization and distributed model calibration, to fairly complex energy flux and water balance in hydrology and water cycle. MATLAB is used to better understand and analyze numerical solutions for nonlinear hydrologic system. (F) |
| GIS     | 5960   | Directed Readings                                  | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| GIS     | 5970   | Special Topics/Seminar                             | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| GIS     | 5980   | Research for Master's Thesis                       | Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. (F, Sp, Su)  |
| GIS     | 5990   | Independent Study                                  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| GIS     | 6960   | Directed Readings                                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| GIS     | 6970   | Special Topics/Seminar                             | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)   |
| GIS     | 6980   | Research for Doctoral Dissertation                 | 2 to 16 hours. (F, Sp, Su)   |
| GIS     | 6990   | Independent Study                                  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| GMER    | 1999   | Lower Division Transfer Credit                    | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| GMER    | 3999   | Upper Division Transfer Credit                    | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| GMER    | 5052   | Graduate Recital-Master Of Music Education Degree | Graduate Recital--Master Of Music Education Degree. Prerequisite: Concurrent Enrollment In 5010, Permission Of Adviser And Instructor. May Not Be Elected During First Enrollment. (F, Sp, Su)   |
| GMER    | 5999   |   | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| GPHY    | 1103   | Adventures in Geophysics                          | The field of applied near-surface geophysics will be introduced within the broader scope of the geophysical sciences. Key geophysical techniques and tools will be covered through exploration of existing case studies involving fields such as archaeology, law enforcement and ground water resources. There will also be opportunities for 'hands on' experience with high-tech geophysical tools. (Sp) [II-NL]  |
| GPHY    | 1999   | Lower Division Transfer Credit                    | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| GPHY    | 3423   | Introductory Petroleum Geology and Geophysics     | Prerequisite: GEOL 1114, MATH 2924 or MATH 2423, PHYS 2514, and GEOL 3003. Fundamentals of the utilization of geological and geophysical data in the exploration for and development of petroleum reserves. Fundamental principles, geological and geophysical data acquisition, processing and interpretation. (F)  |
| GPHY    | 3440   | Mentored Research Experience                      | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| GPHY    | 3960   | Honors Reading                                    | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| GPHY    | 3970   | Honors Seminar                                    | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| GPHY    | 3980   | Honors Research                                   | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| GPHY    | 3990   | Independent Study                                 | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| GPHY    | 3999   | Upper Division Transfer Credit                    | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| GPHY    | 4133   | Colorado Field Geophysics                         | Prerequisite: 4113; Geology 3123; or permission of instructor. Students become familiar with field methods in geophysics and apply principles of geophysical methods to survey design, data acquisition, data processing, and interpretation. Students plan geophysical surveys, collect field geophysical data in small groups, interpret the acquired datasets in terms of earth structure, and learn about the tectonics and structure of the front range of the Rocky Mountains. Field course is taught at the OU field camp near Canon City, Colorado, and is predominantly field based. Three-week field experience required. (Su) [V] |

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| Subject | Number | Title                       | Course Description  |
|---------|--------|-----------------------------|---|
| GPHY    | 4243   | Computational Geosciences   | (Slashlisted with 5243) Prerequisite: MATH 2934 or MATH 2443. MATLAB is a C-based programming environment that has become a standard in scientific computing. Beginning with basic concepts of MATLAB programming the course proceeds to one-, two-, and three-dimensional graphics, interpolation and filtering. No student may earn credit for both 4243 and 5243. (F)  |
| GPHY    | 4413   | Global Geophysics           | Prerequisites: GEOL 3114; MATH 2924 or 2423; PHYS 2524; or equivalent coursework or permission of instructor. Introduces students to geophysical methods, the structure and physical properties of earth's interior, active processes on earth, and the use of geophysical methods to study structure and processes. No student may earn credit for both 4413 and 5413. Laboratory (Alt. F)   |
| GPHY    | 4874   | Seismic Exploration         | Prerequisite: PHYS 2524; MATH 2934 or MATH 2443 or concurrent enrollment. Lectures and laboratory/problem sessions covering theory and applications of reflection and refraction seismic exploration methods. Emphasis is on the common-depth-point reflection method. (F)  |
| GPHY    | 4953   | Senior Thesis in Geophysics | Prerequisite: senior standing with a major in geophysics and permission. May not be repeated. Individual research of a geophysical topic selected by the student in consultation with the instructor. The project may involve fieldwork, theoretical analysis, computer modeling, and/or data analysis and interpretation, culminating in a written thesis. (F, Sp, Su) [V]   |
| GPHY    | 4960   | Directed Readings           | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| GPHY    | 4970   | Seminar                     | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit nine hours. (F, Sp)  |
| GPHY    | 4990   | Independent Study           | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit nine hours. Contracted independent study for topics not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| GPHY    | 5020   | Computational Geophysics    | Prerequisite: Graduate standing or permission of instructor. May be repeated with change in content; maximum credit 12 hours. Algorithm design. Implementation and application for numerically intensive geophysical problems. Focus will cycle semester to semester from Interactive algorithms (using Matlab and C# languages) to more computationally demanding seismic processing, imaging and inversion algorithms (using Fortran 90, C, and MPI). (F, Sp) |
| GPHY    | 5243   | Computational Geosciences   | (Slashlisted with 4243) Prerequisite: MATH 2934 and MATH 2443. MATLAB is a C-based programming environment that has become a standard in scientific computing. This course begins with basic concepts of MATLAB programming and then proceeds to one-, two-, and three-dimensional graphics, interpolation and filtering. No student may earn credit for both 4243 and 5243. (F)  |
| GPHY    | 5364   | Paleomagnetism              | Prerequisite: permission. Concerns the magnetic properties of minerals and rocks and the physical and chemical processes which produce them. Laboratory techniques used in investigations are discussed. (F)  |
| GPHY    | 5413   | Global Geophysics           | Prerequisite: Graduate standing or permission of instructor. Introduces students to geophysical methods, the structure and physical properties of earth's interior, active processes on earth, and the use of geophysical methods to study structure and processes. Will be taught every other fall semester. Laboratory included. No student may earn credit for both 4413 and 5413. (Irreg.)  |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| GPHY    | 5513   | 3-D Seismic Interpretation                 | Prerequisite: graduate standing or permission of instructor. Principles of seismic stratigraphy, seismic geomorphology, structural geology, and rock physics to interpret seismic reflection data and associated attributes to delineate faults, fractures, folds, fluvial-deltaic complexes, turbidites, mass transport complexes, karst, and other structural and stratigraphic features of interest. Course is intended for graduate students in geophysics, geology, and petroleum engineering. Laboratory (F)  |
| GPHY    | 5523   | 3-D Seismic Processing                     | Prerequisite: GPHY 4874 or equivalent and MATH 3333. Theory and application of seismic signal analysis to modern 3-D surface seismic surveys including sorting, statics, deconvolution, coherent noise suppression, velocity analysis and migration. At the end of the course, the student will be able to apply appropriate modern work flows to 3-D land data surveys resulting in prestack time migrated images amenable to AVO, attribute, and velocity anisotropy analysis. (Sp)   |
| GPHY    | 5533   | Quantitative Seismic Interpretation        | Prerequisite: graduate standing, and GPHY 5513 or current research work in reservoir characterization or simulation. This course is the second part of a two-course sequence on seismic interpretation and will investigate the theoretical foundation and application of tools used in quantitative reservoir characterization. This course is intended for upper level graduate students in geophysics, geology, and petroleum engineering doing research in reservoir imaging, characterization, and simulation. (Sp-even yrs)   |
| GPHY    | 5613   | Introduction to Seismic Stratigraphy       | Prerequisite: Physics 2524, Mathematics 3333, or permission. Introduction to the stratigraphic interpretation of reflection seismic data, emphasizing 2-D exploration seismic reflection group analysis. Topics covered include the theory and practice of borehole constrained interpretation, analysis, and mapping of seismic sequences, fault mechanical stratigraphy, chronostratigraphy, seismic facies, relative changes in sea level, and integrated geohistory analysis with emphasis upon providing a foundation for petroleum system analysis. Seismic sections for the analyses are taken from varying tectonic and depositional settings worldwide. (Alt. F) |
| GPHY    | 5733   | Tectonics and Sedimentation in Rift Basins | (Crosslisted with GEOL 5733) Prerequisite: graduate standing or permission of instructor. Provides a basic understanding of the geodynamics of rifting and the resulting sedimentary response. A series of lectures outlining fundamental concepts of rift dynamics and rift sedimentology, followed by discussion-based analysis of rift case studies that highlight interesting components of the relationship between tectonics and sedimentation in rift systems. (F)   |
| GPHY    | 5864   | Gravimetric and Magnetic Exploration       | Prerequisite: Graduate standing, MATH 2924 or MATH 2433, PHYS 2524, or permission of instructor. Lectures and laboratory/problem sessions covering theory and applications of gravimetric and magnetic exploration. Includes potential theory, filtering, modeling and interpretation. Emphasis is on exploration for minerals, oil and gas. Concepts of geodesy and isostasy are briefly considered. Laboratory (Sp)   |
| GPHY    | 5960   | Directed Readings                          | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| GPHY    | 5970   | Special Topics/Seminar                     | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| GPHY    | 5980   | Research for Master's Thesis               | Variable enrollment, two to nine hours; maximum applicable toward degree, four hours. (F, Sp, Su)   |
| GPHY    | 5990   | Special Studies                            | 1 to 3 hours. Prerequisite: permission. May be repeated; maximum credit nine hours. Advanced special studies in geophysical problems. May include directed reading in geophysics, fieldwork, laboratory research or preparation of reports. (F, Sp, Su)   |
| GPHY    | 5999   | Graduate Level Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| GPHY    | 6873   | Seismic Modeling and Migration                                  | Prerequisite: graduate standing. The theory and limitations of seismic modeling algorithms for both forward (synthetic generation) and reverse applications (i.e. migration). Emphasis will be on the use of commercial modeling and imaging software (primarily 2D) to gain an intuitive understanding of seismic elastic wave propagation and imaging of the subsurface. (odd-Sp)  |
| GPHY    | 6950   | Research  | 1 to 4 hours. Prerequisite: graduate standing and permission of faculty supervisor. May be repeated with change of content; maximum credit 12 hours. Individual research in various areas of geophysics. (F, Sp, Su)   |
| GPHY    | 6960   | Directed Readings   | 1 to 6 hours. Prerequisite: graduate standing and permission of faculty supervisor. May be repeated; maximum credit six hours. Supervised reading at an advanced graduate level. (F, Sp, Su)   |
| GPHY    | 6970   | Seminar   | 1 to 4 hours. Prerequisite: graduate standing, permission. May be repeated with change of subject matter; maximum credit twenty hours. Directed seminar on selected aspects of geophysical knowledge and inquiry. (F, Sp)  |
| GPHY    | 6980   | Research for Doctoral Dissertation                              | 2 to 16 hours. Prerequisite: permission of instructor. (F, Sp, Su)   |
| GPHY    | 6990   | Independent Study   | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| GRAD    | 1999   | Lower Division Transfer Credit                                  | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| GRAD    | 3999   | Upper Division Transfer Credit                                  | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| GRAD    | 5003   | Oklahoma Scholar-Leadership Enrichment Program Graduate Seminar | Prerequisite: graduate standing. May be repeated with change of content; maximum credit 12 hours. An interdisciplinary seminar variable in content changing with each seminar. Seminars are led by prominent national and international scholars and leaders coordinated with a current faculty member in their area of expertise. Emphasis is on enrichment and exploration with scholars to investigate ideas and issues affecting the future of humanity. (F, Sp)   |
| GRAD    | 5103   | Interdisciplinary EOS3  | Prerequisite: Graduate Standing. Earth Observation Science for Society and Sustainability (EOS3) is an interdisciplinary certificate program consisting of a four-course certificate (Interdisciplinary EOS3, EOS3 Data Analytics, EOS3 Interface, and EOS3 Practicum) designed to provide students with advanced training in interdisciplinary communication, leadership, and data science skills. This course serves as the introduction to Interdisciplinary EOS3 and the processes by which effective science team are formed and become productive. Students will gain experience in working with interdisciplinary teams to leverage their disciplinary expertise and work with those with other expertise to address societal concerns. (F) |
| GRAD    | 5113   | Phonetics for ESL   | Prerequisite: graduate standing, MA TESOL majors only. Introduces the study of human speech sounds and relates this to teaching ESL; physiology of the vocal tract and how the parts shape sounds; the International Phonetic Alphabet and its interpretation. Students practice transcribing sounds and complete a phonetic description of how a language differs from English in its sound system. (Irreg.)  |
| GRAD    | 5123   | Second Language Acquisition Theory for ESL                      | Prerequisite: graduate standing, MA TESOL majors only. Covers the essential topics that underlie English language acquisition, with special emphasis on those that will be most pertinent to students who will be teaching English as a Second Language. Topics include age, individual differences, aptitude, cognition, affect, motivation, the learner environment, and social dimensions of learning. (Irreg.)   |

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| Subject | Number | Title                             | Course Description   |
|---------|--------|-----------------------------------|--|
| GRAD    | 5133   | General Linguistics for ESL       | Prerequisite: graduate standing, MA TESOL majors only. Covers the essential topics that underlie linguistics, with special emphasis on those that will be most pertinent to students who will be teaching English as a Second Language. Topics include morphology, phonology, semantics, pragmatics, language and the brain, and sociolinguistics, with review of phonetics and grammatical structure. (Irreg.)  |
| GRAD    | 5143   | Structure of the English Language | Prerequisite: graduate standing, MA TESOL majors only. Provides in-depth understanding of the grammatical, syntactical and other features of English as they are taught by teachers of ESL to non-native speakers. Topics will include recent theories of grammar and acquisition; taxonomy and rules of English; strategies for teaching simple and complex constructions; and strategies for recognizing and addressing language interference and learner needs. (F)   |
| GRAD    | 5203   | EOS3 Data Analytics               | Prerequisite: graduate standing. Focuses on using large, open-source civil Earth observation and other geospatial data. Introduces students to various open-source data tools for acquiring, managing, and analyzing large public data sets. Students will work in interdisciplinary teams to fuse disparate data and conduct analyses that meld ideas from natural and social science disciplines. The student teams will be comprised of members with varied skill sets to establish a culture of collaborative teaching and learning. (F)   |
| GRAD    | 5233   | ESL Methods and Techniques        | Prerequisite: graduate standing and MA TESOL majors only. Explores the intersection of second language acquisition theory and history, applied linguistics, and ESL methods and techniques related to teaching ESL. Examines new research grounded in sociolinguistics, behavioral linguistics and related fields. Explores how digital and social media innovations are transforming the field and can benefit student outcomes. (F)  |
| GRAD    | 5303   | EOS3 Interface                    | Prerequisite: graduate standing. EOS3 Interface focuses on interdisciplinary communication, the application of group communication theories to team science, and the communication of science across societal and cultural gaps. Theory, scholarship, and applications of group and organizational communication will be discussed within this context. In addition, the course will cover how socio-cultural differences affect communication, with a focus on how those affect the communication of scientific and technical information across disciplines and to the lay public and policymakers. (Sp) |
| GRAD    | 5333   | Understanding Cultures for ESL    | Prerequisite: graduate standing and MA TESOL majors only. Examines the interaction between language and culture, with application to teaching ESL. Explores how culture is defined and manifested, its influence on identity and self-concept, how cultural differences affect perceptions and interactions, and culture in the ESL classroom. Grounded in constructivist theories of formal schooling, the course trains culturally responsive teachers. (Irreg.)   |
| GRAD    | 5403   | EOS3 Practicum                    | Prerequisite: graduate standing. The EOS3 practicum is the culminate of the certificate program and will allow students to apply what they have learned in their previous coursework while working as part of a collaborative and interdisciplinary team tasked with addressing real world research topics relating to the EOS3 theme. (Sp)  |
| GRAD    | 5433   | ESL Curriculum and Technology     | Prerequisite: graduate standing, MA TESOL majors only. Introduces students to learner-centered pedagogy and needs-based ESL curriculum. Students use the procedures to design ELL courses and materials. Through needs-assessment, students explore an outcomes-based curriculum planning process and identify curricular goals and objectives. Introduces the range of technologies and software for ELL's; students evaluate their usefulness to teach using CALL. (Sp)  |
| GRAD    | 5443   | ESL Testing and Assessment        | Prerequisite: graduate standing, MA TESOL majors only. Provides fundamental principles for evaluating and designing assessment processes in ESL classes. Focuses on the most common pedagogical challenge: classroom based assessment for ELLs. Presents treatment of assessing all four macro skills. Considers the validity and utility of standardized tests, the ethics of testing and alternatives in assessment in ESL. (Sp)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| GRAD    | 5553   | Teaching ESL Reading/ Writing/ Listening/ Speaking | Prerequisite: graduate standing, MA TESOL majors only, GRAD 5113, GRAD 5123, GRAD 5143. Enables students to identify cultural learning strategies in the ESL/ELL paradigm and use that understanding to overcome barriers to learning in regards to the four macro skills. Analyzes learning and scaffolding techniques to build skills by evaluating metacognitive strategies. Emphasizes classroom management and professionalism. (Su)   |
| GRAD    | 5940   | Professional Master's Practicum/Internship         | 1 to 5 hours. Prerequisite: graduate standing and permission of instructor. May be repeated once; maximum credit five hours. Provides a practicum or internship experience for students in the professional master's degree program. The students will apply the knowledge from their core academic discipline (e.g. science, engineering, education, fine arts) in an appropriate supervised professional setting (e.g. business, public administration, international programs) to provide a valid experience related to the core discipline and career context of their professional masters degree. The internship/practicum will serve as the culminating experience for the degree. (F, Sp, Su) |
| GRAD    | 5945   | Internship in TESOL                                | Prerequisite: graduate standing, MA TESOL majors only. A 120-hour field component in which students observe, assist and teach in an approved ESL setting. Students analyze and reflect upon their own professional knowledge in the field of TESOL with the aid of an instructor and fellow participants. Enables the students to plan future professional development. (Su)  |
| GRAD    | 5980   | Research for Master's Thesis                       | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| GRAD    | 5990   | Graduate Special Topics                            | 1 to 4 hours. Prerequisite: graduate standing and permission of instructor. May be repeated with change of topic; maximum credit twelve hours. Selected topics in graduate areas not usually covered in traditional courses. For any particular section there may be additional prerequisites required. (F, Sp, Su)   |
| GRAD    | 5999   | Graduate Level Transfer Credit                     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| GRAD    | 6980   | Research for Doctoral Dissertation                 | Prerequisite: graduate standing and permission of instructor or Graduate College. May be repeated; Maximum credit twelve hours. (F, Sp, Su)   |
| GRAD    | 6990   | Graduate Advanced Special Topics                   | 1 to 4 hours. Prerequisite: graduate standing and permission of instructor. May be repeated with change of content; maximum credit twelve hours. Selected advanced topics in graduate areas not usually covered in traditional courses. For any particular section there may be additional prerequisites required. (F, Sp, Su)  |
| GRK     | 1115   | Beginning Greek                                    | Introductory study of the vocabulary and grammar of the Greek language. Some practice in the reading of simple Attic prose; usually excerpts from Xenophon's Anabasis. (F, Sp, Su) [I-FL]   |
| GRK     | 1215   | Beginning Greek                                    | Prerequisite: 1115, or first year Greek in high school. Introductory study of the vocabulary and grammar of the Greek language. Some practice in the reading of simple Attic prose; usually excerpts from Xenophon's Anabasis. (Sp) [I-FL]  |
| GRK     | 1999   | Lower Division Transfer Credit                     | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| GRK     | 2113   | Biblical Greek                                     | Prerequisite: 1215 or equivalent, with a grade of C or better. May be repeated with a change of content; maximum credit six hours. Reading designed mainly to increase the student's proficiency in rapid translation, in excerpts from the New Testament. (F)  |
| GRK     | 2213   | Homer  | 1215 or equivalent, with a grade of C or better. May be repeated with change of content; maximum credit six hours. Reading selections from Homer; designed to improve the student's proficiency in translation and the understanding of Greek poetic techniques. (Sp)   |
| GRK     | 2970   | Special Topics/Seminar                             | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |

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| Subject | Number | Title                                       | Course Description  |
|---------|--------|---|---|
| GRK     | 3113   | Advanced Prose                              | May be repeated with change of subject matter; maximum credit six hours. Readings in Plato: Crito and Apology; Lysias: Select Orations; Demosthenes: De Corona. (Sp)  |
| GRK     | 3123   | New Testament                               | Prerequisite: 1115 and 1215 or equivalent. Students will study the grammar, vocabulary and style of the Greek New Testament. Emphasis will be placed on accurate translation. (F)   |
| GRK     | 3213   | Ancient Greek Drama                         | Prerequisite: junior standing or permission of instructor. May be repeated with change of subject matter; maximum credit six hours. Extensive reading in representative tragedies and comedies of the Athenian dramatists. Supplementary studies in the development of the Greek theatre and its drama. (F)   |
| GRK     | 3440   | Mentored Research Experience                | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| GRK     | 3960   | Honors Reading                              | 1 to 3 hours. Prerequisite: admission to Honors Program and one intermediate Greek course. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| GRK     | 3970   | Special Topics                              | Prerequisite: 2113 or 2213 or the equivalent . May be repeated with change of content; Maximum credit six hours. A study of selected topics in Greek literature on subjects not offered in regularly scheduled courses. (Irreg.)  |
| GRK     | 3980   | Honors Research                             | 1 to 3 hours. Prerequisite: admission to the Honors Program and one intermediate Greek course. May be repeated; maximum credit six hours. Will provide an opportunity for the Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| GRK     | 3990   | Independent Study                           | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| GRK     | 3999   | Upper Division Transfer Credit              | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| GRK     | 4133   | Historians: Herodotus, Thucydides, Xenophon | Prerequisite: 3123, 3213, or 3313. May be repeated with change of content; maximum credit nine hours. Introductory course in Greek history. Readings chosen to present memorable persons and episodes in the history of Ancient Greece. (Irreg.)  |
| GRK     | 4213   | Archaic Greek Lyric Poetry                  | Prerequisite: 3123, 3213, or 3313. May be repeated with change of subject matter; maximum credit six hours. Extensive reading from the works of Greek lyric poets such as Archilochus, Sappho, Theognis, and Simonides. Supplementary studies in the development of lyric poetry and its various themes. (F)  |
| GRK     | 4960   | Directed Readings                           | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| GRK     | 4970   | Special Topics/Seminar                      | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| GRK     | 4990   | Independent Study                           | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| GRK     | 5960   | Directed Readings                            | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| GRK     | 5970   | Special Topics/Seminar                       | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| GRK     | 5990   | Special Studies                              | 1 to 4 hours. May be repeated; maximum credit eight hours. Reading and research, arranged and directed in consultation with the instructor, in specified areas of Greek language and literature. (F, Sp)  |
| GRK     | 5999   | Graduate Level Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| GRRE    | 1999   | Lower Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| GRRE    | 3999   | Upper Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| GRRE    | 5042   | Graduate Recital-Master Of Music Degree      | Graduate Recital--Master Of Music Degree. Prerequisite: Concur- Rent Enrollment In 5020, Permission Of Adviser And Instructor. Preparation And Performance Of A Public Recital. May Not Be Elec- Ted During First Enrollment. (F, Sp, Su)   |
| GRRE    | 5043   | Graduate Recital-Graduate Artist Certificate | Prerequisites: majors only; graduate standing; permission of adviser and instructor. May be repeated; maximum credit 6 hours. Preparation and performance of a public recital. (F, Sp, Su)  |
| GRRE    | 5999   | Graduate Level Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| GTAR    | 1999   | Lower Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| GTAR    | 2000   | Freshman and/or Sophomore Secondary Guitar   | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| GTAR    | 2020   | Guitar for Music Majors: Freshman/Sophomore  | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| GTAR    | 3440   | Mentored Research Experience                 | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| GTAR    | 3999   | Upper Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| GTAR    | 4000   | Junior and/or Senior Secondary Guitar        | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| GTAR    | 4020   | Guitar for Music Majors: Junior/Senior       | 1 to 4 hours. Prerequisite: Majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| GTAR    | 5000   | Master's-Level Secondary Guitar                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| GTAR    | 5010   | Master's-Level Guitar for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)  |
| GTAR    | 5020   | Master's-Level Guitar for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)   |
| GTAR    | 5999   | Graduate Level Transfer Credit                         | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| GTAR    | 6000   | Doctoral Secondary Guitar                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| GTAR    | 6010   | Doctoral Guitar for Non-Performance Music Majors       | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)  |
| GTAR    | 6020   | Doctoral Guitar for Performance Majors                 | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)   |
| H R     | 1999   | Lower Division Transfer Credit                         | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| H R     | 3003   | Human Relations Theory                                 | Prerequisite: junior standing or permission of instructor. Emphasizes key ideas of theorists who have contributed to the interdisciplinary field of human relations. Students are introduced to selected primary readings by influential scholars with the goals of understanding and integrating the various perspectives, and of developing critical thinking skills. (Irreg.) |
| H R     | 3013   | Introduction to Human Relations                        | Prerequisite: junior standing. Designed to introduce students to the breadth and depth of the field of human relations. Emphasis is on the processes of communication, problem solving, decision making, conflict and change as they occur in individuals, interpersonal, group and intergroup relations. (F, Sp, Su)  |
| H R     | 3033   | Writing for Human Relations Professionals              | Prerequisite: junior standing or permission of instructor. Familiarizes students with the fundamental skills of professional writing and presentation. Student skill development emphasized in the course includes critical thinking, information gathering, comprehensive planning, precise writing, and effective presentations. (Irreg.)                                      |
| H R     | 3043   | Interpersonal Skills and Group Dynamics                | Prerequisite: 3013 or permission of instructor. Students explore interpersonal dynamics that characterize effective communication in families, the workplace, community organizations, and social settings. Focuses on ways to improve relationships and emphasizes observation, analysis, and skill training in relationship development. (Irreg.)                              |
| H R     | 3203   | Introduction to Organizational Studies                 | Prerequisite: 3013 or junior standing, or permission of instructor. This course surveys the basic concepts of organizational studies, including organizational behavior, motivation, leadership, teams, change and development, conflict, organizational structure and design, and innovation. (Irreg.)  |

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| Subject | Number | Title                                       | Course Description   |
|---------|--------|---|--|
| H R     | 3233   | Presentation Skills in Human Relations      | Prerequisite: 3013 or junior standing, or permission of instructor. This course is designed to provide students with the skills, knowledge, and strategies to prepare and deliver effective presentations in human relations settings. In this course, students will receive opportunities to plan, develop, deliver and evaluate presentations. (Irreg.)  |
| H R     | 3243   | Professional Development in Human Relations | Prerequisite: junior standing or permission of instructor. This course will explore available careers and options necessary to fulfilling education requirements for human relations. With personal awareness as a beginning, students will narrow choices by experiencing different fields, by interviewing, and with hands-on activities and investigations of job qualifications. (F, Sp)   |
| H R     | 3303   | Family Issues in Human Relations            | Prerequisite: 3013 or junior standing, or permission of instructor. This course will focus on contemporary issues challenging families and couples. The text and instruction will explore the ideas of why humans seek intimacy, different forms of human coupling, variations of marriage and family life, parenting, and problems faced by families. (Irreg.)  |
| H R     | 3313   | Ethical Issues in Intercollegiate Athletics | Prerequisite: 3013 or junior standing, or permission of instructor. This course is designed to survey intercollegiate athletics in America and contemporary ethical issues related to major college sports and its place within higher education. Such topics as character development, criminal activity, gender equity, academic scandal, extra benefits, illegal inducements, and compensation of college athletes, etc., are explored in depth. (Irreg.)         |
| H R     | 3403   | History of Racism                           | Prerequisite: 3013 or junior standing, or permission of instructor. Racism is the single most critical barrier to building effective coalitions for social change. Racism has been consciously and systematically erected, and it can be undone only if people understand what it is, where it comes from, how it functions, and why it is perpetuated. This course will examine history and culture to look at racism within the United States of America. (Irreg.) |
| H R     | 3413   | Cultural Awareness in Human Relations       | Prerequisite: junior standing or permission of instructor. Course explores theory and applications of cross-cultural communication from both practical and academic viewpoints through scholarly internet and multimedia resources. The course will provide an understanding of the possible variations in language, culture, and communication styles that affect human relations work and life in general. (F, Sp)   |
| H R     | 3960   | Honors Reading                              | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| H R     | 3970   | Honors Seminar                              | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| H R     | 3980   | Honors Research                             | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| H R     | 3990   | Independent Study                           | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| H R     | 3999   | Upper Division Transfer Credit              | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| H R     | 4013   | Social Change Process                       | Prerequisite: 3013 or permission of instructor. Utilizing interdisciplinary behavioral sciences literatures, students will gain knowledge of selected laws and community programs that characterize social change activities. Through case studies, guest lectures, and field trips, the students will acquire the skills needed to design and carry out a community project that may positively impact the lives of a target population. (Irreg.)                   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| H R     | 4113   | Practicum in Human Relations                        | Prerequisite: junior standing, two courses in social sciences and permission of instructor. May be repeated with change of content; maximum credit nine hours. Practica are designed for undergraduate and graduate students who wish to acquire experiences in human resources agencies. While directly participating in the helping process, students will learn about the function of professionals in different disciplines, the nature of agencies, their relation to one another and to the community. (F, Sp, Su)  |
| H R     | 4170   | Special Topics in Human Relations                   | 1 to 3 hours. Prerequisite: 3013 or junior standing, or permission of instructor. May be repeated with change of content; maximum credit nine hours. The course is designed to permit the study of topical human relations issues. (Irreg.)   |
| H R     | 4203   | Social Issues in the Workplace                      | Prerequisite: 3013 or junior standing, or permission of instructor. This course will provide students with an interdisciplinary examination of human relations, social issues, and the workplace. Historical social change will be examined as it is impacted by workplace dynamics. The course will employ a case study approach to explore social justice concerns and sociocultural dynamics in the American workplace. (Irreg.)   |
| H R     | 4303   | Human Relations in Action                           | Prerequisite: 3013 or permission of instructor. Students apply learning from previous courses to a field project of their choosing. The service learning that takes place is grounded in relevant human relations theory and practice. Each student is required to complete 60 hours of field work. (Irreg.)  |
| H R     | 4313   | Intercollegiate Athletic Administration             | Prerequisite: 3013 or junior standing, or permission of instructor. Intercollegiate athletics has many constituencies with differing perceptions about its value to higher education and the community. This course is designed to survey intercollegiate athletics in America and its place within higher education. The contributions of college athletics to higher education will be discussed in depth as well as its values to student-athletes. In addition, the organizational structure and roles of the college athletics department are explored in depth. (Irreg.)  |
| H R     | 4413   | Adolescent Issues in the African-American Community | Prerequisite: 3013 or junior standing, or permission of instructor. This course is designed to introduce students to adolescent issues facing African-Americans. The course will examine development of all adolescents, as well as critically analyze the major issues and challenges facing African-American youth. Students will also identify possible solutions to these issues. (Irreg.)  |
| H R     | 4423   | Women's Issues in Human Relations                   | Prerequisite: 3013 or junior standing, or permission of instructor. This course examines a perspective on women's development that accurately reflects women's experiences rather than society's traditional view of women. We will explore the effect on women of being silenced, sexualized, and subordinated in a patriarchal culture. Particular attention will be given to self-in-relation theory, a developmental theory proposing that women develop their sense of self through relationships, but eventually discover that this is not valued or required. Since so many of our attitudes are determined in early life, we will explore the construction of identity in adolescent female development. Views of women's experiences in different cultures will also be examined. (Irreg.) |
| H R     | 4433   | Gender and War                                      | Prerequisite: junior standing or permission of instructor. Course will cover theoretical issues relevant to gender and war as well as applied topics such as child soldiers, refugees, rape as a tool of war, and definitions of human rights. Where relevant, case studies will be used to illustrate the gendered dimensions of warfare. (F, Sp)  |
| H R     | 4503   | Applied Research                                    | Prerequisite: Communication 2513, , Economics 2843, Political Science 3123, Psychology 2003, Social Work 2223, or Sociology 3123. Introduces students to the theoretical and methodological skills necessary to conduct an applied research program. Methodological approaches are varied and emphasize a range of social science orientations. (Irreg.)  |
| H R     | 4513   | Service Learning                                    | Prerequisite: 3003, 3013, 3043, and 4013. Capstone course to be taken in the final semester. Students apply learning from other courses to a project of significant community need. Classes are held both on campus and on-site, and group work, evaluative discussion, and written reflection are integral parts of the course. (Irreg.) [V]   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| H R     | 4733   | Juvenile Justice and Delinquency Prevention      | Prerequisite: junior standing or permission of instructor. Examines the biological, psychological, and sociological perspectives and research, and addresses the role of social forces and social institutions in juvenile delinquency. Explores different approaches to understanding delinquency, social factors that contribute to delinquency, and analyzes current research and data related to juvenile delinquency. Also explores the full range of programs and philosophies involved in the attempt to moderate juvenile crime and delinquency. No student may earn credit for both 4733 and 5733. (F, Sp) |
| H R     | 4960   | Directed Readings                                | 1 to 3 hours. Prerequisite: Junior standing and permission of instructor. May be repeated; Maximum credit 6 hours. Faculty supervised exploration of an area of human relations not covered in regularly offered courses. (F, Sp, Su)   |
| H R     | 4970   | Special Topics/Seminar                           | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| H R     | 4990   | Independent Study                                | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| H R     | 5003   | Theoretical Foundations Of Human Relations       | Prerequisite: admission to the degree program in human relations or permission of department. An analysis of human relations theories and concepts from the perspectives of the social sciences, the humanities and education. (F)  |
| H R     | 5013   | Current Problems In Human Relations              | Prerequisite: admission to the degree program in human relations or permission of department. In-depth studies of outstanding problems facing social practitioners, including racism, sexism, poverty and human rights. Strategies for change and ethics of intervention also will be discussed. (F)  |
| H R     | 5023   | Research in Human Relations                      | Prerequisite: admission to the degree program in human relations or permission of department. Special focus will be upon designing and implementing a research project related to the student's area of concentration in human relations. (Sp)  |
| H R     | 5033   | Seminar in Leadership in Organizations           | Prerequisite: graduate standing or permission of instructor. Focus is upon a survey of major leadership approaches and theories and application in organizational settings. Discussions of the leadership process and administration of assessment instruments are used to increase a student's awareness of his/her own leadership style.  |
| H R     | 5043   | Seminar in Organizational Change and Development | Prerequisite: graduate standing or permission of instructor. Focus will be upon the change process and a survey of major approaches used to bring about organizational change, such as confrontation meetings, survey feedback, job enrichment, process consultation and third party intervention. (Sp)   |
| H R     | 5053   | Diversity and Justice in Organizations           | Prerequisite: graduate standing or permission of instructor. Focuses on concepts of justice in organizations, and the changing demographics of our society, especially related to race and culture, gender, age, disability, and socio-economic status. The course emphasizes the implications of these factors for effective organizational management. (Irreg.)   |
| H R     | 5063   | Seminar in Strategies of Social Change           | Prerequisite: graduate standing or permission of department. A study of techniques for bringing about individual, group or organizational changes. Special focus will be placed on philosophies and results of violent and nonviolent tactics. (F)  |
| H R     | 5073   | Creative Problem Solving                         | Surveys the nature of creative thinking and creative problem solving. Topics to be covered include creative thinking obstacles, creativity, readiness, major stages of the creative problem-solving process (fact finding, problem finding, idea finding, solution finding and acceptance finding) and use of a variety of individual and group techniques for different stages in the process. (Sp)  |
| H R     | 5083   | Seminar in Group Dynamics                        | Prerequisite: graduate standing or permission of department and graduate dean. An intensive study and critical evaluation of social-psychological concepts related to sensitivity training as a human relations technique. (CE)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| H R     | 5093   | Introduction to Graduate Studies in Human Relations  | Prerequisite: admission to degree program in human relations or permission of instructor. Designed to acquaint graduate students with human relations theory and practice in various contexts. Emphasis is placed on the role of human relations professionals as agents of persistence and change at the interpersonal, group, organizational and societal levels of analysis. (F)   |
| H R     | 5100   | Advanced Theories in Human Relations                 | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated with change of content; maximum credit six hours. Additional in-depth studies of human relations theories and their implications for human relations practitioners will focus on topics such as, but not limited to: affirmative action and reverse discrimination; spiritual aspects of recovery in chemical dependency; conceptual models of violence and nonviolence as a basis for peace curriculum; human relations in the twenty-first century; human values in sexuality; and women and men in organizations. (F, Sp)   |
| H R     | 5110   | Advanced Seminar in Current Problems                 | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated with change of content; maximum credit six hours. Additional in-depth studies of current social problems and strategies for intervention and change on topics such as, but not limited to: chemical dependency and society; ethnic and gender discrimination issues; disadvantaged children; domestic violence; sexual/physical abuse; physically and emotionally handicapped populations. (F, Sp)   |
| H R     | 5113   | Seminar in Local Issues in Human Relations           | Prerequisite: graduate standing or permission of instructor. May be repeated with change of topic; maximum credit nine hours. Variable topics and content related to human relations problems and solutions. (F, Sp, Su)  |
| H R     | 5123   | Decision Making in Adult and Higher Education        | (Crosslisted with EDAH 5123) Prerequisite: graduate standing. Provides students with an understanding of various forces which influence the process of decision-making in adult and higher education, as well as provide an opportunity to examine how such decisions can be reached and implemented. The student will examine realistic examples of decision-making in such areas as budgeting, trustee relations, tenure decisions, faculty development, and curriculum. (F, Sp)  |
| H R     | 5133   | Change, Challenge and Creativity in the Workplace    | Prerequisite: graduate standing or permission of instructor. This course examines ways to enhance creativity and the creative problem solving process within the context of a rapidly changing workplace. The major changes occurring in today's workplace and the management of change at both the personal and organizational level will also be considered. Particular emphasis will also be placed on examining the creative process, common barriers to creativity, and a variety of individual and group techniques that foster or facilitate the creative process. (Irreg.)  |
| H R     | 5143   | Human Resources for the Human Relations Professional | Prerequisite: graduate standing or permission of department. This course serves as an introduction to the Human Resource Management (HRM) discipline. Specifically, this course is designed to assist students in discovering what HRM is (and is not), recognizing its' multifaceted and ever evolving nature, and how HRM fits into the total organization. An awareness and understanding of the central HRM topics, competencies, terminology, and ethical issues is foundational to the course. In addition, the highly influential nature of federal and state law on HRM is highlighted. Additionally, this course will illuminate the many rewarding career opportunities available within the HRM discipline. (Irreg.) |
| H R     | 5153   | Human Emotions                                       | Prerequisite: graduate standing. Goal is to become familiar with some of the major conceptualizations of emotions and the evidence used to validate them; to examine a number of emotions such as attachment, love, loss and grief, depression, anxiety, joy, anger, fear, etc. Will be both didactic and experiential. Skills in self-disclosure, active listening, empathy, confrontation, etc. will be used to increase the understanding of emotions and to increase the ability to communicate emotional content. (Irreg.)   |
| H R     | 5163   | Seminar in Nonverbal Behavior in Human Relations     | Prerequisite: graduate standing or permission of instructor. Topics include research methods, cross-cultural studies, proxemics, kinesics, vocalics, emotions, touch and human development, dress and appearance, attractiveness and social order. (F or Sp)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| H R     | 5173   | Seminar in Applied Interpersonal Dynamics           | Prerequisite: 5083, graduate standing or permission of instructor. A human relations learning laboratory in which students can improve their self-awareness, communication skills and conceptual frame of reference. Topics include: self-disclosure, human emotion, concreteness, listening skills, genuineness, confrontation and immediacy. (Irreg.)  |
| H R     | 5183   | Seminar in Issues in Human Relations Training       | Prerequisite: 5083 or 5173. Focuses on theory and research in group dynamics (group development, membership, goals, conformity, power, leadership, essentials in laboratory design); ethics, values and professionalism in human relations; and criticisms of human relations training. (CE)   |
| H R     | 5193   | Intervention and Practice in Training               | Prerequisite: 3013, 5003, 5013, 5023, 5083 or 5173. Specifically designed to enable advanced students to explore their skills in working with others from both a theoretical and pragmatic perspective. Students are required, through course content, to develop a clear picture of facilitation, leadership, consultant or teacher style. (Sp)   |
| H R     | 5200   | Internship In Human Relations                       | 1 to 6 hours. Prerequisite: admission to the degree program in human relations and permission of department. Field experience in and outside Oklahoma. Each student must have both types of experiences. Agency roles and responsibilities will be learned by on-the-job practice. (F)   |
| H R     | 5203   | Graduate Research and Writing for Human Relations   | Prerequisite: graduate standing, majors only, or permission of department. Prepares students in Human Relations to produce clear, effective, and well-argued graduate-level academic writing. Students will conduct online searches, evaluate sources, think critically about issues, and write various types of papers, including a literature review. Expressing clear thoughts in a way that reflects respect for gender, difference, and inclusion will be part of all written exercises. (Irreg.) |
| H R     | 5273   | Athletics in Higher Education                       | (Crosslisted with EDAH 5273) Prerequisite: Graduate Standing. Provide Students With An Understanding Of The History, Structure And Administration Of Intercollegiate Athletics, As Well As An Opportunity To Discuss A Wide Variety Of Related Contemporary Issues. (Irreg.)   |
| H R     | 5323   | Organizational Behavior in Human Relations          | Prerequisite: graduate standing. Organizational behavior (OB) represents the behavioral approach to management. OB is concerned with human behavior at work and how various structures and work processes influence such behavior. This course will address a number of important organizational issues and processes, including organizational culture, group behavior and teamwork, and leadership. (Su)   |
| H R     | 5333   | Mediation   | Prerequisite: graduate standing. Studies how the acceptable third party assists parties in resolving disputes. There will be considerable attention paid to the mediation process and the activities of mediators. Also focuses on negotiations because mediators help parties complete negotiations they are unable to settle on their own. (F)   |
| H R     | 5343   | Conflict Resolution                                 | Prerequisite: graduate standing or permission of instructor. This course will explore the nature and origins of human conflict in modern life. It will emphasize an understanding of conflict and resolution methods useful in professional counseling and other HR settings such as organizational development and interpersonal facilitation. (Irreg.)   |
| H R     | 5353   | Organizational Communication in Human Relations     | Prerequisite: graduate standing or permission of instructor. This course will explore organizational communication concepts, theories, research, and practical applications for human relations professionals. (Irreg.)  |
| H R     | 5363   | Program Development, Implementation, and Evaluation | Prerequisite: graduate standing or permission of instructor. This course is designed to facilitate the development of knowledge and skills critical to the conceptualization, planning, development, measurement, implementation, and evaluation necessary to operate public, private, profit or non-profit organization. (Irreg.)   |
| H R     | 5373   | Grant Writing                                       | Prerequisite: graduate standing or permission of instructor. This course will explore fundraising as a dynamic process through which an organization or an individual becomes financially able to accomplish a specific goal by using writing skills, management skills, and solicitation. Students will acquire the skills needed to prepare grant proposals. (Irreg.)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| H R     | 5383   | Public Policy for Human Relations Professionals | Prerequisite: graduate standing or permission of instructor. This course examines how public policy is made at various levels of government and how these policies affect society. Particular emphasis will be given to public policy issues that affect human relations professionals, their clients, and the public and private agencies in which they work. (Irreg.)   |
| H R     | 5403   | Psycho-Social Development                       | Prerequisite: graduate standing or permission of instructor. Covers human psycho-social development. Discussion of the expanding social realm of the developing individual. Theories and research in a variety of areas related to social development will include: attachment, aggression, sex typing, moral development, and parent-child interaction. (F, Sp)  |
| H R     | 5413   | Chemical Dependency                             | Prerequisite: graduate standing or permission of instructor. Explores how chemical dependency affects individuals in their physical, psychological and social functioning. The dynamics of the illness, treatment and recovery process are explored. Attention is given to the feelings, physical, psychological and social aspects of chemical dependency. Both didactic and experiential. (F)   |
| H R     | 5423   | Family Systems and Family Reconstruction        | Prerequisite: permission of instructor. Teaches students how to impact family systems. Through didactic and experiential learning, students will learn how students function in systems and explore their own rules for living in systems. (CE)   |
| H R     | 5433   | Group Counseling in Human Relations             | Prerequisite: graduate standing or permission of instructor. Examines a variety of group counseling models, types of groups (process, solution-focused, action-oriented), the role of the group counselor, group members, and techniques and strategies for facilitating group work. (Irreg.)   |
| H R     | 5443   | Adolescent Issues in Human Relations            | Prerequisite: graduate standing or permission of instructor. Designed to acquaint human relations professionals with issues facing teens today. The pressures confronting youth along with various adaptive and maladaptive coping behaviors will be studied. (F, Sp, Su)   |
| H R     | 5453   | Ethical Issues in H R Counseling                | Prerequisite: graduate standing or permission of instructor. Surveys ethical, legal, and professional issues facing human services workers. (F, Sp, Su)   |
| H R     | 5463   | Counseling Skills in Human Relations            | Prerequisite: graduate standing or permission of instructor. Introduce students to the helping professions and provide them with a basic mastery of important counseling skills in human relations. (Irreg.)  |
| H R     | 5473   | Women and Mental Health                         | Prerequisite: graduate standing or permission of instructor. Examines psychological theory and practice as it pertains to women. This course will look at traditional theories and practice, new approaches to working with women, and topical issues. (Irreg.)   |
| H R     | 5483   | Diagnosis in Human Relations Counseling         | Prerequisite: graduate standing or permission of instructor. Introduces students to the diagnostic systems of mental disorders outlined by the American Psychiatric Association and the World Health Organization. Also covers principles and techniques of interviewing which produce a correct diagnosis. (F, Sp)   |
| H R     | 5493   | Assessment and Evaluation in Human Relations    | Prerequisite: graduate standing or permission of instructor. Provides an overview of clinical and social assessment procedures used in counseling settings including career and life planning, personality, and mental health assessments. Emphasis is placed on a thorough examination of diagnostic classifications for mental disorders. Also develops a working knowledge of assessment skills along with a bias-free multicultural perspective, and ethical issues applicable to assessment. (F, Sp) |
| H R     | 5503   | Narrative Metaphor in Counseling                | Prerequisite: graduate standing or permission of instructor. This course explores the use of the narrative metaphor in counseling and family therapy. It will explore how social constructionism, postmodern philosophies and the narrative metaphor are being utilized in counseling and therapy. (Irreg.)   |
| H R     | 5513   | Marriage and Family Therapy                     | Prerequisite: graduate standing or permission of instructor. This course explores different conceptual and theoretical ideas about close interpersonal relationships and marriage. (Irreg.)   |



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|---------|--------|---|--|
| H R     | 5523   | Counseling With Children, Adolescents, and Families | Prerequisite: graduate standing or permission of instructor. This course will explore various theories, modalities and practices working with young children, adolescents and their families. Students will be introduced to theories of development; individual, group and family therapies, and a meta-theoretical framework of social construction. (Irreg.)  |
| H R     | 5533   | Counseling Approaches in Human Relations            | Prerequisite: graduate standing or permission of instructor. This course emphasizes skills training in counseling approaches utilized by human relations practitioners. The skills training is organized according to basic counseling and psycho-therapy theories, including psychodynamic, behavioral, cognitive, existential-humanistic, multicultural, systemic and integrative approaches. (Irreg.)   |
| H R     | 5543   | Counseling with Diverse Populations                 | Prerequisite: graduate standing or permission of instructor. This course addresses four populations: women, persons of sexual/gender minority identification, persons with disabilities, and aging persons. Students will examine the special issues of each population and consider appropriate counseling approaches. (Irreg.)   |
| H R     | 5553   | Marital and Family Assessment                       | Prerequisite: graduate standing or permission of instructor. This course will explore various approaches to conceptualizing assessment of couples and families. (Irreg.)   |
| H R     | 5563   | Career Counseling                                   | Prerequisite: graduate standing or permission of instructor. Explores conceptual and functional tools for enhancing career development of children, youth and adults in both counseling and corporate human resource relationships. Class participants have the opportunity to experience a variety of career assessment tools including interest inventories, personality assessments and values clarification exercises. Career counseling strategies for a variety of life situations are discussed. (Irreg.) |
| H R     | 5573   | Personality and Personality Disorders               | Prerequisite: graduate standing or permission of instructor. This course will explore the historical and contemporary concepts of personality development, personality styles and personality disorders, as well as examine personality disorders and their treatment. (Irreg.)  |
| H R     | 5583   | Social Justice Counseling                           | Prerequisite: Graduate standing or permission of instructor. This course emphasizes theory and methods to promote social justice in human relations. The ethics of social justice in counseling will also be addressed. Various social justice and counseling theories will be explored, as well as strategies for integrating into human relations counseling. Concepts and skills will be studied through readings, discussion, case studies, exercise, videos, and class projects. (Irreg.)                   |
| H R     | 5593   | Multicultural Counseling                            | Prerequisite: Graduate standing or permission of instructor. The model of multicultural understanding followed in this course is intended to increase the understanding of culturally diverse groups. This class is both practice and theory oriented. Emphasis will be placed on providing a broader knowledge base and developing the skills to counsel individuals from various cultures. (Irreg.)  |
| H R     | 5603   | Play Therapy with Children                          | Prerequisite: graduate standing, majors only, or permission of department. Provides a basis for the use of play in assessing and intervention with children and their families. History, techniques, and issues in play therapy will be addressed in class reading and discussions. (Irreg.)   |
| H R     | 5613   | Human Relations in Education                        | (Crosslisted with EACS 5613) Prerequisite: graduate standing. Focuses on intrapersonal, interpersonal and intergroup relations problems in the public schools. Specifically, deals with persistent school/classroom problems associated with multiculturalism. Attempts to blend theory and practice through a lecture/discussion/problem-solving approach. Emphasizes teacher self-awareness as a major aspect of the human relations approach. (F, Sp)   |
| H R     | 5623   | Post-Traumatic Stress Disorder                      | Prerequisite: graduate standing and permission of department. Concentrates on what constitutes post-traumatic stress, its assessment, diagnosis, and therapeutic intervention. Cover different sources of post-traumatic stress, as well as different methods of evidence-based treatment modalities. Special populations are also addressed. (Irreg.)   |

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|---------|--------|---------------------------------|--|
| H R     | 5633   | Advanced Counseling Skills      | Prerequisite: graduate standing, majors only, or permission of department. An advanced study of various counseling approaches with opportunities for demonstration and evaluation of each student's counseling skills. Designed to provide the student with advanced exploration and analysis of current counseling practice. Students will be expected to demonstrate the ability to analyze, synthesize, critique, and discuss, in verbal and written form, the key concepts of traditional and contemporary counseling practice. (Irreg.)                                   |
| H R     | 5643   | Crisis Intervention             | Prerequisite: graduate standing, majors only or permission of department. Designed to facilitate knowledge development related to all manner of crises from an interdisciplinary perspective based in crisis theory. Focuses on individuals, families, and groups facing mental, physical, developmental, occupational, residential, and environmental crises, as well as the methods of assessment and intervention. (Irreg.)   |
| H R     | 5653   | Grief, Death and Dying          | Prerequisite: graduate standing, majors only or permission of department. Explores grief counseling throughout the human life cycle with particular attention paid to the aspects of death and dying. (Irreg.)   |
| H R     | 5663   | Psychopathology                 | Prerequisite: graduate standing, majors only, or permission of department. Provides an in-depth review of a broad spectrum of psychopathological conditions. The focus of the review will include the etiology, prevalence and incidence, signs and symptoms, and criteria for differential diagnoses. The emphasis of this review will be on comparing and contrasting different theoretical perspectives of each disorder. (Irreg.)  |
| H R     | 5673   | LPC Clinical Supervision        | Prerequisite: graduate standing, majors only, or permission of department. Students will become familiar with models of counseling supervision; become familiar with the Oklahoma LPC Supervision requirements and become acquainted with the research in counselor training and supervision. (Irreg.)   |
| H R     | 5683   | Working with Divorcing Families | Prerequisite: graduate standing, majors only, or permission of department. Designed to prepare students for counseling with families experiencing separation, divorce and remarriage. Provides students with current information concerning divorce as well and options for helping children and adults cope with divorce in a constructive way. (Irreg.)  |
| H R     | 5693   | Issues in Aging                 | Prerequisite: graduate standing, majors only, or permission of department. Designed to acquaint students with the interdisciplinary field of gerontology. Provides students with the opportunity to explore current topics associated with the aging process. Also examines contemporary issues that impact individuals, families and society during the later years. Finally, provides an overview of theory, policies and practices associated with aging and counseling with elderly clients. (Irreg.)  |
| H R     | 5703   | International Human Relations   | Prerequisite: graduate standing or permission of instructor. This course will examine ways to understand people of different cultures. It uses a multidisciplinary approach to look at the roots and explanations of differences between cultures and what these differences mean for working with people of different backgrounds. This course utilizes the tools of history, geography, economics, sociology, and other social and physical sciences to understand why people are different in order to identify strategies for building effective human relations. (Irreg.) |
| H R     | 5713   | Women, Work, and the Family     | Prerequisite: graduate standing or permission of instructor. A creative exploration of the dynamics of women's issues in both the family and in the workplace. It examines the societal conditioning creating the "Superwoman," mother-blaming, balancing roles, the time bind of home and work, discrimination in the workplace, relational practice at work, and companies that care for and about women and families. Exploration will include strategies for innovative planned change. (Irreg.)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| H R     | 5723   | Sexism and Homophobia   | Prerequisite: graduate standing or permission of instructor. This course will examine the relationship between sexism and heterosexism, homophobia and misogyny. Using a variety of materials and methods, students will be encouraged to familiarize themselves with the history of homosexuality and explore the discrimination faced by gay men and lesbians, as well as the impact on homophobia on our working relationships, our personal and professional lives, and on the institutions in which we participate. (Irreg.)   |
| H R     | 5733   | Juvenile Justice and Delinquency Prevention   | Prerequisite: graduate standing or permission of instructor. Examines the biological, psychological, and sociological perspectives and research, and addresses the role of social forces and social institutions in juvenile delinquency. Explores different approaches to understanding delinquency, social factors that contribute to delinquency, and analyzes current research and data related to juvenile delinquency. Also explores the full range of programs and philosophies involved in the attempt to moderate juvenile crime and delinquency. No student may earn credit for both 4733 and 5733. (F, Sp)   |
| H R     | 5743   | Violence Against Women and Children   | Prerequisite: graduate standing or permission of instructor. The effects of violence on women, children and families will be presented within an academic and clinical framework for purposes of developing skills for assessment, intervention, and prevention. Students will discuss various strategies for crisis intervention, safety planning, and preferred counseling methods for abuse victims. Students will discuss the historical implications of violence against women and the effects on human relationships in contemporary society. (Irreg.)  |
| H R     | 5763   | Human Sexuality   | Prerequisite: graduate standing, majors only, or permission of instructor. Examines sexuality in the context of current research, culture and opposing perspectives. The various definitions, experiences, and expressions of sexuality will be explored and debated in order for students to develop individual perspectives on human sexuality. Willingness to openly discuss topics of sexuality and relationship is critical for this course. (Irreg.)  |
| H R     | 5803   | Total Rewards: Compensations and Benefits for HR Management Professionals for the HR Prof | Prerequisite: H R 5143 or graduate standing or permission of the department. A core Human Resource Management competency, Total Rewards: Compensation and Benefits will provide students with an introduction to compensation and benefit programs. Specifically, students will explore the forms of direct (compensation) and indirect (benefits) compensation used to attract, reward, and retain employees. The design, administration, and evaluation of compensation systems and benefit programs are also examined. Further, students will also analyze the legal and regulatory factors affecting total rewards planning and delivery. Additionally, this course will illuminate the many rewarding career opportunities available in the Total Rewards discipline. (Irreg.) |
| H R     | 5813   | Business Management and Strategic Planning  | Prerequisite: H R 5143 or graduate standing or permission of department. Introduction to the overall strategic planning process of organizations. Students will explore organizational strategic planning processes to include but not limited to: development of mission, vision, values, goals and objectives; policy formation, enforcement, and evaluation. In addition, evaluation of organizational strategic planning is analyzed. Further, students will understand how employees contribute to the overall effectiveness of an organization by studying how organizations assess and deploy human capital. (Irreg.)  |
| H R     | 5823   | Workforce Planning & Employment, A Component of Human Resource Management for the HR Prof | Prerequisite: H R 5143 or graduate standing or permission of department. Workforce Planning and Employment is one of the courses applied to the area of Human Resource Management for the Human Relations Professional. Workforce Planning and Employment highlights the activities necessary to ensure the workforce's ability to achieve the organization's goals and objectives. Specific areas covered include: key laws and regulations (ADA, Title VII, Affirmative Action, etc.), organizational staffing requirements and methods, job analysis and documentation, recruitment, flexible staffing, selection and retention, organizational exit, and employee records and retention. (Irreg.)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| H R     | 5833   | Human Resource Development  | Prerequisites: H R 5143 or graduate standing or permission of department. Learning and Development (L&D) is a broad discipline utilized in a number of fields. Designated as a core course for the Human Resource certificate program, L&D offers learners an examination of key legislation affecting L&D activities, L&D theory, role of technology in L&D, and the intricacies of Human Resource L&D. In addition, examines the analysis, development, design, implementation, and evaluation of learning and development programs. (Irreg.)  |
| H R     | 5843   | Risk Management for Human Resource Professionals for the Human Relations Professional | Prerequisite: H R 5143 or graduate standing or permission of department. Risk Management for Human Resource Professionals explores the disciplines of safety and security in organizations. The course will examine an organization's efforts to prevent and/or mitigate loss due to risks to or from personnel, threats to its physical assets, damage to its technology and intellectual property, or risks of any other kind arising from all elements surrounding the work environment. Students will also examine the laws and regulatory statues that drive the risk management decisions. Additionally, this course will illuminate the many rewarding career opportunities available within the Risk Management discipline. (Irreg.)   |
| H R     | 5853   | Employee and Labor Relations for HR Management Professions in Human Relations         | Prerequisites: H R 5143 or graduate standing or permission of department. Examines the employer/employee relationship. Introduces students to the key employment law, i.e., state, local, and federal laws and regulations that govern organizational structure and operations and help to maintain an ethical, healthy, and safe work environment. Among the ideas analyzed include: how workplace relationships are managed and maintained; how organizations balance employer/employee needs and rights while supporting organizational goals and objectives. A broad overview, students will become familiar with a plethora of employee relations issues such as termination, policy development, and interpretation of the most significant laws that affect HRM. (Irreg.)                                       |
| H R     | 5863   | Human Resources for the HR Prof Fundamentals of Human Resource Information Systems    | Prerequisites: H R 5143 or graduate standing or permission of department. This course examines the ever growing field that is Human Resource Information Systems (HRIS). Specifically, students will explore the metamorphosis of human resource technology; how it has gone from situational asset to mandatory strategic business partner across the Human Resource Management gamut. Designed to develop an awareness and appreciation of the nature and use of data and information systems in organizations, this course will introduce students to the various HRIS systems utilized by organizations and the associated analysis, design, and implementation of those systems. Additionally, this course will illuminate the many rewarding career opportunities available within the HRIS discipline. (Irreg.) |
| H R     | 5880   | Human Relations Capstone  | 1 to 3 hours. Prerequisite: graduate standing and permission of department and instructor. May be repeated; maximum credit 3 hours. Human Relations capstone is designed as a culminating experience for students electing the non-thesis track. Students will develop, under the direction of their advisor or approved faculty, a capstone project centered in Human Relations. The project shall be specific to student's elected H R concentration. (F, Sp, Su)  |
| H R     | 5960   | Directed Readings in Human Relations  | 1 to 6 hours. Prerequisite: graduate standing, permission of instructor. May be repeated; maximum credit six hours. Individual investigations and report of findings on selected problems in human relations education. (F, Sp, Su)  |
| H R     | 5970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit six hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| H R     | 5980   | Research for Master's Thesis  | Prerequisite: admitted to candidacy for a Master of Human Relations. Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. Original paper in an area of concentration in human relations. (F, Sp, Su)   |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| H R     | 5990   | Independent Study                          | 1 to 4 hours. Prerequisite: 5023 or equivalent and permission of instructor. May be repeated; maximum credit six hours. Individual investigation of special research topics in human relations. (F, Sp, Su)   |
| H R     | 5999   | Graduate Level Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| H R     | 6980   | Research Doctoral Dissertation             | 2 to 16 hours. (F, Sp, Su)  |
| HARP    | 1999   | Lower Division Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| HARP    | 2000   | Freshman and/or Sophomore Secondary Harp   | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| HARP    | 2020   | Harp for Music Majors: Freshman/Sophomore  | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| HARP    | 3440   | Mentored Research Experience               | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| HARP    | 3999   | Upper Division Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| HARP    | 4000   | Junior and/or Senior Secondary Harp        | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| HARP    | 4020   | Harp for Music Majors: Junior/Senior       | 1 to 4 hours. Prerequisite: Majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| HARP    | 5000   | Master's-Level Secondary Harp              | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| HARP    | 5020   | Master's-Level Harp for Performance Majors | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| HARP    | 5999   |  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| HARP    | 6000   | Doctoral Secondary Harp                    | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| HCB     | 3440   | Mentored Research Experience               | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| HCB     | 3613   | Healthcare Marketing and Administration            | (Crosslisted with MKT 3613) Prerequisite for Business Majors: Business Candidacy & MKT 3013 Prerequisite for Non-business Majors: MKT 2013 or 3013. Healthcare organizations must be prepared to shift their strategies in order to meet the increasing demands in this dynamic market. The purpose of this course is to apply the systems of marketing and administration to the problems of health care organizations and provide an insight to the business problems healthcare organizations are likely to encounter. (F, Sp)  |
| HCB     | 3623   | Competitive and Economic Environment of Healthcare | (Crosslisted with MKT 3623) Prerequisite for Business Majors: Business Candidacy, MKT/HCB 3613. Prerequisite for Non-business Majors: ECON 1123 and MKT/HCB 3613. A wide range of new governmental regulatory interventions in the healthcare arena and changes to the economic environment are directly linked to uncertainty in the structure of health insurance; the contractual arrangements and relationships that exist between patients, doctors, and hospitals. This course explores these issues in detail and presents case studies that will guide the student to a better understanding of healthcare economics. (F, Sp)  |
| HCB     | 4363   | Business Infrastructure and Cyber Security         | (Crosslisted with MIS 4363) Prerequisites: junior standing; senior standing; graduate standing; student must be approved for degree candidacy by Price College; MIS 2113; MGT 3013; MKT 3013; LS 3323; FIN 3303. Provides information necessary to gain an understanding of communications and telecommunications networks, and cyber security concepts. Key topic areas of the course are: OSI and Internet network models, Standards & Protocols, Business Infrastructure Design (LAN, WLAN, Backbone Networks, WAN, Connection to the Internet), Cyber Security Concepts, Basic technical and managerial aspects of business infrastructure, Practitioners concerns and perspectives. (F, Sp) |
| HCB     | 4613   | Ethical and Regulatory Issues in Healthcare        | (Crosslisted with MKT 4613) Prerequisite for Business Majors: Business Candidacy, 3000-level core courses and HCB/MKT 3613. Prerequisite for Non-business Majors: HCB/MKT 3613 and LS 3323. The Healthcare Industry continues to undergo enormous changes with new laws, regulations and policies, fresh innovations and the increasingly higher expectations of the healthcare consumer. With this in mind, it is a necessary requirement to develop a process of creating a strong ethical climate within a healthcare organization. This course explores the complex moral, ethical and legal issues that continue to arise within the healthcare profession. (F, Sp)                         |
| HEBR    | 1115   | Beginning Hebrew                                   | An elementary course in modern and Biblical Hebrew. The course provides basic understanding, speaking, writing, and reading Hebrew, both modern and Biblical. Similarities and differences between modern and Biblical Hebrew are explored. (F, Sp) [I-FL]   |
| HEBR    | 1225   | Beginning Hebrew (continued)                       | Prerequisite: 1115. Focuses on all language skills: understanding, speaking, writing, reading of both modern and Biblical texts; including further exploration of similarities and differences between modern and Biblical Hebrew. By the end of this course, students are expected to write short dialogs. (F, Sp) [I-FL]   |
| HEBR    | 1999   | Lower Division Transfer Credit                     | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| HEBR    | 2113   | Intermediate Hebrew                                | Prerequisite: 1225. Further training in understanding, speaking, writing, and reading Hebrew, both modern and Biblical. Emphasis is given to grammar as well as to exploring differences in style between various Biblical texts, such as Torah versus prophets. (F)   |
| HEBR    | 2213   | Intermediate Hebrew II                             | Prerequisite: HEBR 2113. At the end of this course students will have acquired the ability to read longer texts, both modern and Biblical. They will be able to express themselves more sophisticatedly, and on more topics. (Sp)  |
| HEBR    | 2970   | Special Topics/Seminar                             | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)   |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| HEBR    | 3113   | Advanced Hebrew                | Prerequisite: 2113 and 2213. Continued training in understanding, speaking, writing, reading literary texts and newspaper articles, as well as Biblical texts, such as poetry. Emphasis is given to discussions on and writing about these texts. (F)   |
| HEBR    | 3223   | Advanced Hebrew II             | Prerequisite: HEBR 3113. A continuation of Advanced Hebrew I. The aim is to continue promoting the four language skills; students should be able to sophisticatedly and intelligently express themselves both orally and in writing. (Sp)   |
| HEBR    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| HEBR    | 3513   | Biblical Hebrew                | Prerequisite: HEBR 2113 or permission of instructor. Learn Biblical Hebrew and read from the Hebrew Bible (Old Testament) in the original language. (Irreg.)  |
| HEBR    | 3960   | Honors Reading                 | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| HEBR    | 3970   | Honors Seminar                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| HEBR    | 3973   | Hebrew Conversation            | Prerequisite: HEBR 2213 or permission of the instructor. Intensive practice in speaking Hebrew on topics of everyday life, current events, and culture, with emphasis on the particular vocabulary and terminology of each of these fields. Although the focus of this course is oral communication, students will also read and write as well. (Irreg.)  |
| HEBR    | 3980   | Honors Research                | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| HEBR    | 3990   | Independent Study              | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp)   |
| HEBR    | 3999   | Upper Division Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| HEBR    | 4960   | Directed Readings              | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| HEBR    | 4970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: 3223 or permission of instructor. May be repeated with change of content; maximum credit 9 hours. This course is designed to give intensive training in listening and speaking in Hebrew for students who have taken 3223. The course develops students' understanding of functional ability of listening and speaking Hebrew. Students will learn unique features of Hebrew language and culture. (Irreg.)                                       |
| HEBR    | 4990   | Independent Study              | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp)  |
| HEBR    | 5999   | Graduate Level Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title                        | Course Description  |
|---------|--------|------------------------------|---|
| HES     | 1011   | Spinning                     | Designed to teach specific skills of spinning and form. Class focuses on increasing cardiovascular fitness, working both aerobically and anaerobically through different energy zones. Individuals will become aware of the fundamentals of spinning and be able to perform learned skills and techniques, as well as accurate terms and etiquette. (F, Sp)   |
| HES     | 1021   | Beginning Judo               | Consists of skill training in the sport of judo and the associated cognitive acquisition of terminology, contest rules and customs. Skills portion will deal with falling techniques, throws, holddowns, chokes and armbars. Cognitive portion will deal with the training aspects of judo (chiai, randori, kata and uchi komi), basic terminology and contest rules. (F, Sp)   |
| HES     | 1031   | Introduction to Martial Arts | The course is intended to provide students with a broad overview over the variety of martial arts available today. The students will acquire a rudimentary knowledge of various techniques, including self defense, that are common to most martial arts. It is expected that at the end of the course the students will be able to choose the most appropriate art for his/her own personal taste and advancement. (F, Sp)   |
| HES     | 1041   | Yoga                         | Yoga. Beginning Level Yoga Class Focusing On Basic Asanas (Poses), Breathing, Relaxation And Meditation. Students Will Improve Their Flexibility And Body Awareness. (F, Sp, Su).   |
| HES     | 1051   | Intermediate Judo            | Prerequisite: HES 1021 or HES 1031 or permission of instructor. Builds upon basic judo skills and teaches intermediate skills including ukemi, tachiwaza, newaza, uchikomi, randi, etc. Students will learn working knowledge of appropriate protocols and terminology involved with judo training and condition and strengthen the body through the practice of judo. (F, Sp)  |
| HES     | 1121   | Beginning Weight Training    | To learn basic skills of weight training, i.e., warm-up, lifting techniques, training programs, etc.; to condition and strengthen the body through a continuous weight training program; to learn and appreciate the ability of correct weight training to enhance personal fitness and the carry-over value into other sports and activities. (F, Sp, Su)  |
| HES     | 1221   | Individual Fitness           | May be repeated; maximum credit eight hours. Exercise designed to condition the body for maximum health and fitness; special emphasis on cardiovascular fitness. (F, Sp, Su)  |
| HES     | 1321   | Wall Climbing                | The purpose of this class is to learn and practice the basic techniques and safety concerns for rock climbing and bouldering. (F, Sp, Su)   |
| HES     | 1351   | Recreational Activities      | May be repeated with change of subject matter; maximum credit three hours. (F, Sp, Su)  |
| HES     | 1361   | Beginning Golf               | (F, Sp, Su)   |
| HES     | 1371   | Intermediate Golf            | Prerequisite: 1361 or permission. (F, Sp)   |
| HES     | 1521   | Beginning Swimming           | (F, Sp)   |
| HES     | 1562   | Lifeguard Certification      | Provides the opportunity to gain knowledge and skills that will allow for students to prevent, recognize, and respond to aquatic emergencies. How to provide professional level care for breathing and cardiac emergencies, injuries and sudden illnesses until EMS personnel arrive and take over will also be learned. Upon successful completion of course, participants will receive an American Red Cross Life Guarding/First Aid/CPR/AED Certification that is valid for 2 years. A pre-test is required to continue in the course. (F) |
| HES     | 1661   | Beginning Racquetball        | Fundamental skills of racquetball, i.e., serving, forehand, backhand, court positions and strategy. (F, Sp, Su)   |
| HES     | 1681   | Beginning Tennis             | (F, Sp, Su)   |
| HES     | 1691   | Intermediate Tennis          | Prerequisite: 1681 or permission. (F, Sp)   |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| HES     | 1823   | Scientific Principles of Health and Disease            | Students will be exposed to the basic science-based principles needed to develop an interdisciplinary understanding of human health. The course is designed to assist students in the development of a basic understanding of the anatomical structures and physiological process that are critical to understanding the development of various diseased/disorders. Students will apply this knowledge to a fact-based model for choosing and developing appropriate lifestyle and health-related interventions (e.g., exercise, nutrition, stress management), both for health enhancement and disease prevention. (F, Sp, Su) [II-NL] |
| HES     | 1921   | Basketball   | Teach a basic understanding of the game of basketball; skills and analysis of skills, nature and rules of the game, and strategies for game situations. (F, Sp, Su)   |
| HES     | 1941   | Soccer   | Teach a basic understanding of the game of soccer; skills and analysis of skills, nature and rules of the game, and strategies in game situations. (F, Sp)  |
| HES     | 1961   | Softball   | Teach a basic understanding of the game of softball; skills and analysis of skills, nature and rules of the game, and strategies for game situations. (F, Sp)   |
| HES     | 1981   | Volleyball   | Basic understanding of the game of volleyball; skills and analysis of skills, nature and rules of the game, and strategies for game situations. (F, Sp, Su)   |
| HES     | 1999   | Lower Division Transfer Credit                         | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| HES     | 2131   | Introduction to Health and Exercise Science            | Designed to introduce major students to the fundamentals of HES, including curricular disciplines, basic terminology, career opportunities, and professional associations. Students will also learn basic library research skills and a working knowledge of the support services and technologies available at the University. (F, Sp)   |
| HES     | 2212   | First Aid  | Includes the theory related to causes and prevention of accidents, as well as development of sufficient knowledge to determine the nature and extent of injuries. Training focuses on taking proper procedural steps at the proper times. Upon successful completion of the course and its specific requirements, students are awarded the American Red Cross Community First Aid and CPR Certificates. Lecture and laboratory combined. May include online components. (F, Sp, Su)   |
| HES     | 2823   | Introductory Nutrition                                 | (Crosslisted with Clinical Dietetics 1823- an HSC course) Evaluation of basic composition of nutrients and accessory factors required for adequate human nutrition. Application of nutritional principles to the planning of normal and special dietary regimen. [II-NL]  |
| HES     | 2913   | Personal Health  | Emphasizes the health knowledge and practices needed for effective living. The course has a holistic focus on personal health and provides both an informational and behavioral basis for health promotion and disease prevention. Topics include: mental health, stress management; fitness; nutrition; alcohol, tobacco, and other drug education; sexuality; and chronic/infectious disease. (F, Sp)   |
| HES     | 2970   | Special Topics/Seminar                                 | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)  |
| HES     | 3000   | Special Topics in Health and Exercise Science          | 1 to 3 hours. Prerequisite: junior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Topics in health and exercise science not accommodated by the existing curriculum. Example: psychological factors in exercise adherence, i.e., personality traits of select exercise individuals, reinforcement procedures, personal goals as related to exercise needs, etc. (Irreg.)  |
| HES     | 3021   | Sports Officiating: Football and Volleyball            | Prerequisite: ENGL 1213 or EXPO 1213. Standards and principles involved in the art of officiating with emphasis on football and volleyball. Laboratory experience required. (F)   |
| HES     | 3031   | Sports Officiating: Basketball, Softball, and Baseball | Prerequisite: English 1213 or Expository Writing 1213. Standards and principles involved in the art of officiating with emphasis on basketball, softball, baseball, and track and field. (Sp)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| HES     | 3213   | Principles and Practice of Sport Management for Non-HES Majors | Prerequisite: Non-HES major and junior standing. Survey course covering fundamental management functions, structural components of sport organizations, management and leadership techniques commonly employed in effective sport organizations, human resource management strategies, and current trends in sport management. (F, Sp, Su)   |
| HES     | 3430   | Field Experiences in Health and Exercise Science               | 1 to 4 hours. Prerequisite: junior standing or permission of department. May be repeated with change of activity or advanced position; maximum credit four hours. Field study related to student's area of interest (athletic coaching, athletic training, exercise science, health promotion, sport management) as approved by the department's field supervisor of adviser. A contract is required prior to beginning the field experience. The contract will address: statement of purpose, process of submitting reports, on-site evaluations, and written evaluations by student and site supervisor. (F, Sp, Su) |
| HES     | 3440   | Mentored Research Experience                                   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| HES     | 3502   | Care and Prevention of Athletic Injuries                       | Prerequisite: HES 2212 or equivalent CPR/AED/First Aid certification; three hours of biological science and three credit hours of social science. Recognition, cause, prevention, treatment, rehabilitation of athletic injuries; taping methods, protective equipment, and doctor's recommendations; equipping the training room, conditioning the athlete, practice routines and the athlete's diet. Laboratory (F, Sp)  |
| HES     | 3503   | Child and Family Health  | Prerequisite: junior standing. Examines the multifaceted determinants of health for children and adolescents, with special emphasis on the roles of the family, school and community. Topics include: body image and dieting; nutrition, obesity and physical activity; adolescent social behaviors; tobacco and alcohol use; mental health and family relationships. Gender-specific and age-appropriate prevention and intervention strategies will be discussed in relation to each of these topics. (F, Sp)  |
| HES     | 3513   | Health Promotion Program Planning                              | Prerequisite: HES major or permission of instructor. Discussion of health promotion programming in disease prevention, risk reduction, and wellness. Understanding the theoretical issues related to the development and evaluation of health promotion programs and the behavioral dimensions of health promotion. (F, Sp)  |
| HES     | 3523   | Human Sexuality  | Prerequisite: 2913, Psychology 1113. An introduction to biological, psychological, and sociological concepts which form the interdisciplinary foundation for studying human sexuality. Current research findings in all areas will be emphasized. Areas of emphasis will include: personal, social, sexual, and gender identity development across the lifespan, interaction and communication within social and intimate relationships, and reproductive and other health-related sexuality issues. (F, Sp)   |
| HES     | 3533   | Aids and its Impact on American Society                        | Prerequisite: Zoology 1114 and three hours of social science, or permission of instructor. Provide a current overview of the medical and epidemiological aspects of AIDS and HIV spectrum disorders. Also focus on the psychosocial, educational, legal and ethical issues which have evolved in this country as a result of our response to AIDS and HIV.   |
| HES     | 3543   | Health and Wellness Coaching                                   | Prerequisite: junior standing and HES 2913. Encourages participants to successfully adopt healthier lifestyle behavior. Explores the development and efficacy of health and wellness coaching and develops the ability to implement basic coaching skills when working with patients and wellness clients. (Sp)  |
| HES     | 3553   | Wellness in Native Communities                                 | Prerequisite: junior standing and HES 1823 or HES 2913. Designed to explore and understand the principles of individual and community wellness from the perspective of both mainstream society and from within the cultural frame of native beliefs and values. (F)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| HES     | 3563   | Lifestyle Intervention                        | Prerequisite: HES major or permission. Examines the relationship between individual behavior and the health status of a community. Current lifestyle intervention literature will be the focus. Application of intervention strategies will be presented for school, worksite, and community settings. (Irreg.)  |
| HES     | 3573   | Obesity and Weight Management                 | Prerequisite: junior standing and HES 2913 and either HES 1823 or BIOL 2124. Provides students with knowledge of the physiology and psychology of obesity and overweight. Designed to educate students not only on the scientific background of obesity but how to apply this knowledge to management of obesity in the general and specific populations they will be serving. (F)   |
| HES     | 3583   | Sociocultural Aspects of Health               | Prerequisite: junior standing. Designed to offer a comprehensive approach to understanding social injustice and its impact on health. Particular attention will be given to research emphasizing social determinants as the underlying causes of ill health in the American society. (F, Sp)   |
| HES     | 3593   | Sport and Physical Activity in Society        | Prerequisite: junior standing. Examines major theoretical perspectives and research with particular emphasis on sport and physical activity in contemporary American society. Issues to be addressed that concern physical activity and sport in our society will be the history, the role of educational institutions, social problems, gender and ethnic minorities and the media's influence on sport and physical activity. (Irreg.)   |
| HES     | 3703   | Consumer Health                               | Prerequisite: junior standing. Provides an overview of the health marketplace and the processes involved in becoming an intelligent consumer of health information, products and services. (Irreg.)  |
| HES     | 3803   | Exercise Physiology for Non-Majors            | Prerequisite: junior standing. Provides an introductory study of the principles and concepts of exercise physiology. Theoretical and scientifically established mechanisms are examined which explain the body's physiological response, adaptation, and resulting regulation during acute and chronic exercise. Explores four major topic areas: Energy Metabolism and Bioenergetics, Cardiovascular and Pulmonary Physiology, Neuromuscular Physiology, and Body Composition. An understanding of the body's function from the cellular to systemic level during exercise will be gained. In addition, the comprehension of different training principles and how the assessment of health and performance will be obtained. (F, Sp)                               |
| HES     | 3813   | Principles of Health and Fitness              | Prerequisite: HES major or permission of instructor. Study of the underlying principles of life sciences that contribute to an understanding of the role of physical activity in health, fitness, and sports medicine. Specific reference to an overview of public health and disease, anatomy and biomechanics, exercise physiology, health appraisal and fitness testing and programming, human development and behavior, and program management. Laboratory (F, Sp, Su)   |
| HES     | 3823   | Physiology of Exercise                        | Prerequisite: 3813 and Health and Exercise Science major or permission of instructor. Introductory study of principles and concepts of exercise physiology. Theoretical and scientifically established mechanisms are explored that explain the body's response, adaptation, and concomitant regulation during acute and chronic exercise. Applications presented in the clinical, sport, occupational, and normal exercise settings. Focus is on an understanding of the body's function from the cellular to systemic level during exercise. An understanding of assessment and physical training principles to explain health and performance is emphasized. Specific factors that affect the physiological bases of human performance are investigated. (Irreg.) |
| HES     | 3833   | Evaluation of Health and Physical Performance | Prerequisite: 3823 or permission of instructor. To develop basic skills and competencies in clinical and experimental laboratory assessment techniques. Emphasis is placed on a healthy population with introductory concepts for special populations. To understand the basic underlying physiological theory and application principles in the exercise physiology laboratory with specific emphasis on learning the assessment techniques to evaluate the responses and adaptations of exercise. Laboratory (Su)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| HES     | 3843   | Biomechanics                                  | Prerequisite: BIOL 2255 or BIOL 2234, and junior standing. The integrated study of anatomy, physiology, and mechanics with emphasis on understanding the anatomical and functional aspects of human movement in the area of health and exercise science, such as in clinical, daily living, and sport applications. (Irreg.)  |
| HES     | 3853   | Exercise Testing and Prescription             | Prerequisite: HES 3813 and Health and Exercise Science major or permission of instructor. Introduces the exercise science student to the theoretical and functional techniques of graded exercise testing for functional and/or diagnostic assessment. Equal time will be spent between lecture and lab as students will be provided the theoretical background for all testing methods commonly used in both a health and fitness scenario as well as an introduction to how these methods can be used clinically. This course is designed to prepare exercise science students for the American College of Sports Medicine's Health/Fitness Instruction Certification. Laboratory (F, Sp) |
| HES     | 3863   | Contemporary Women's Health                   | Prerequisite: junior standing. Introduces students to the concepts and concerns of women's health. Course topics include historical perspectives of women's health, reproductive health, gender differences in morbidity and mortality, patient and health care provider relationships, health care consumerism, the impact of motherhood, divorce, and aging, and other concerns unique to women. (Irreg.)   |
| HES     | 3873   | Principles of Personal Training               | Prerequisite: junior standing. Designed to prepare individuals who are interested in becoming certified personal trainers (CPT) through the National Strength and Conditioning Association. Instruction is provided describing basic exercise physiology as well as the principles of developing a personal training regimen for a typical gym trainee. Course experiences will reinforce training principles and teach the basic skills necessary for certification. (F, Sp)   |
| HES     | 3883   | Principles of Endurance Training              | Prerequisite: junior standing. Emphasis will be placed on understanding physiology related to endurance performance and principles of endurance training. Performance testing procedures for predicting endurance performance will be conducted throughout the semester. In addition, it will be required that an endurance training program utilizing the information covered in class will be designed. (F, Sp)   |
| HES     | 3893   | Facts and Fallacies of Exercise and Nutrition | Prerequisite: Non-majors only and English 1213 or Expository Writing 1213. Provides meaningful and practical guidelines on how to recognize and dispel many of today's popular myths regarding exercise and nutrition. Course concepts will emphasize the proper use of scientific evidence to either dispel current topics as fallacy or confirm as fact. Sample current topics may include fads, infomercial products, weight loss, aerobic exercise, resistance exercise, dietary supplements, and exercise/sport nutrition, along with the effect of media and advertising and marketing ploys on these topics. (Irreg.)  |
| HES     | 3960   | Honors Reading                                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Study of current research developments in health and sport sciences. An opportunity for the Honors' candidate to work with a faculty mentor on a research project of special interest to the student in the health and sport sciences. (F, Sp, Su)  |
| HES     | 3980   | Honors Research                               | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| HES     | 3990   | Independent Study                             | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| HES     | 3999   | Upper Division Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title                                     | Course Description   |
|---------|--------|---|--|
| HES     | 4213   | Management in Health and Exercise Science | Prerequisite: junior standing. Concentration on the following course topics: defining facility types, management and employees, facility systems, equipment and maintenance, programming and targeting audience, for profit -- not for profit, marketing and sales, finance, budgeting and funding sources, legal responsibilities, safety and quality control. Class will regularly visit a wide range of health clubs, sports facilities, fitness, golf and recreational environments. (Irreg.)  |
| HES     | 4273   | Sport Finance                             | Prerequisite: HES 3213 or ACCT 2113 or permission of instructor. Discussion and study of methods and techniques for funding sport programs, professional and amateur sports. Topics include financial challenges faced by sport organizations and the garnering of resources from the public sector, external sources, and enterprise activity. Emphasis will be placed on present valuations, financial risk management, the capital budgeting process, and exercising sound financial decision-making. (Sp)  |
| HES     | 4283   | Sports Economics and Policy               | Prerequisite: HES 3213 or ECON 1123. Analyzes the unique features of the sport industry relative to the principles of economics. Sport is one of the top twenty industries in the United States, with over eighty billion consumer dollars being spent on an annual basis. Students will review the basics of economic theory and apply these principles to the management decisions of modern and global sport organizations. Emphasis will also be placed on the economic aspects of public finance for sport facility construction and other forms of subsidization within the sports industry. In addition, important current economic issues will be discussed as they relate to the governance of professional sports leagues and intercollegiate athletics. (F, Sp) |
| HES     | 4430   | Internship in Health and Exercise Science | 1 to 4 hours. Prerequisite: HES major and nine credit hours of HES major core, and departmental permission. May be repeated; maximum credit 4 hours. Practical experience in administration, techniques, organizational structure and appropriate materials used with health, fitness or sport-related occupations. (F, Sp, Su)  |
| HES     | 4434   | Internship in Health and Exercise Science | Prerequisite: HES major and nine credit hours of HES major core, and permission of instructor. Practical experience in administration, techniques, organizational structure and appropriate materials used with health, fitness, or sport related occupations. (F, Sp, Su)   |
| HES     | 4503   | Principles of Community Health            | Prerequisite: Health and Exercise Science major or permission of instructor. Examines the importance of maintaining, protecting, and improving the health of people through organized community efforts. Basic concepts in community health and a review of the historical foundations of community health will be presented. (F, Sp)  |
| HES     | 4513   | Public Policy Impact on Health Promotion  | Prerequisite: junior standing and HES 1823 or HES 2913. As health promotion becomes more popular in the workplace, many organizations are struggling with existing and new regulations that help guide and ensure that compliant programs are being created. Examines existing policies and new policies that will have an impact on the delivery of health promotion programs. Topics include, but are not limited to, Healthy People 2020, CDC, State of Oklahoma Health Department, and Economic Theories on Wellness, Health Care Reform Impact and Tobacco Free Policies. (F, Sp, Su)   |
| HES     | 4523   | Human Sexuality II                        | Prerequisite: 3523 or permission. In-depth study of human sexuality from a biopsychosocial perspective which emphasizes the roles of biology, psychological factors, and social learning. Area studies will include sexual and gender development across the life span; interaction and communication within intimate relationships; reproductive and health-related sexuality topics; and a historical look at the evolution of mating and love relationships. In addition, students will examine the integration of human sexuality issues and education in health-related occupations. (Irreg.)   |
| HES     | 4543   | Comprehensive Stress Management           | Prerequisite: BIOL 2234 or BIOL 2255 and BIOL 2124 and a course in Psychology. Helps students gain an awareness of stress and its effects, practice management techniques to reduce personal stress, and implement those techniques in their daily lives as well as the lives of others (school, community, corporation, etc.). Topics include: psychophysiology of stress, stress and disease, nutrition, personal planning and time management, cognitive restructuring, relaxation, and biofeedback. (Irreg.)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| HES     | 4553   | Measurement and Evaluation in Health Promotion | Prerequisite: junior standing. Provides basic proficiency in quantitative and qualitative approaches to health promotion program measurement and evaluation. Current trends and issues in community, school and worksite health promotion will be the focus, as well as interpreting results from community-based formative and summative evaluations. Principles of measurement and evaluation, including instrument construction, will also be examined. (F, Sp)   |
| HES     | 4573   | Chronic Disease Intervention                   | Prerequisite: Health and Exercise Science major or permission of instructor. Provides a basic understanding of disease process in selected chronic diseases and intervention strategies for risk reduction and chronic disease prevention. Basic principles of epidemiology and chronic disease surveillance will also be covered. (Irreg.)  |
| HES     | 4803   | Nutrition and Sport Performance for Non-Majors | Prerequisite: junior standing. A study of nutrition as it relates to optimum performance and health. Nutrient needs, sources, functions, and interactions will be reviewed according to the latest scientific findings. Principles of body conditioning and body composition will be emphasized with attention to diet and lifestyle practices that promote health and decrease risks of nutrition-related diseases. (F, Sp)   |
| HES     | 4823   | Sport and Exercise Nutrition                   | Prerequisite: junior standing, HES 2823 and CHEM 1315. Provides a basic understanding of the influence of nutrition on sport and exercise performance. Requires students to integrate their knowledge of nutritional physiology, biochemistry and intermediary metabolism with that of exercise physiology and to apply this knowledge to develop a critical understanding of the nutritional and practical dietary needs of individuals participating in sport and exercise. (F, Sp)  |
| HES     | 4833   | Physiology of Exercise Laboratory              | Prerequisite: HES Major and HES 3813 or permission of instructor. Laboratory experiments emphasizing the understanding of fundamental physiological mechanisms, regulating responses, and adaptation to exercise. Basic analytical methodologies pertaining to the energy, muscular and cardiorespiratory systems. Includes factors affecting physiological performance capacities and experimental basis of exercise assessment and training. Laboratory (F, Sp)  |
| HES     | 4843   | Tactical Strength and Conditioning             | Prerequisite: 3873 or 4873. Advances knowledge of strength and conditioning concepts learned during 3873 or 4873 in a more applied setting, specifically focusing on the needs of tactical athletes, such as military personnel, law enforcement officers, and firefighters who are required to develop and maintain a high level of operational fitness. This course prepares students to take the tactical strength and conditioning (TSAC) certification exam proposed by the national strength and conditioning association (NSCA). Laboratory (F, Sp) |
| HES     | 4873   | Principles of Strength and Conditioning        | Prerequisite: junior standing or permission. Designed to prepare individuals who are interested in becoming certified strength and conditioning specialists (CSCS) through the national strength and conditioning association. Instruction is provided describing the principles of development of pre-season, in-season and off season strength and conditioning programs. Course experiences will reinforce training principles and teach the basic skills necessary for certification. (F, Sp, Su)  |
| HES     | 4883   | Advanced Strength and Conditioning             | Prerequisite: junior standing. Advances knowledge of strength and conditioning concepts in an applied setting. Prepares students to confidently and specifically design strength and conditioning programs for all populations including athletes, elderly and children, as well as to successfully demonstrate and teach all lifts and conditioning drills. (F, Sp)   |
| HES     | 4933   | Drug Education                                 | Prerequisite: 2913. Beneficial and harmful uses and effects of drugs. Motivations behind drug abuse, especially among youth, and implications of this problem on the individual, school and society. Consideration given to legislative and educational efforts. Investigation of interpersonal skills and communication interaction techniques. The use of values-clarification techniques. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| HES     | 4953   | Senior Capstone                                      | Prerequisite: Health and Exercise Science major, senior standing and permission of instructor. An integration and synthesis of the major disciplines of study in the health and exercise science. Readings, discussions and research methods will focus on applications and problem solving approaches related to contemporary policy, economic, social and ethical issues. (F, Sp) [V]   |
| HES     | 4960   | Directed Readings                                    | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| HES     | 4970   | Special Topics/Seminar                               | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| HES     | 4990   | Independent Study                                    | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| HES     | 5000   | Issues and Procedures in Health and Exercise Science | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated with change of content; maximum credit six hours. Current topics such as the following: exercise prescription for the elderly; adherence to physical activity, exercise/sport. (Irreg.)  |
| HES     | 5430   | Internship in Health and Exercise Science            | 1 to 3 hours. Prerequisite: graduate standing and successful completion of course requirements in HES area of study; student must have completed a minimum of 12 course hours, including all core requirements, before enrolling in internship. May be repeated; maximum credit six hours. Internship hours will be counted as elective hours towards the normal course requirement (i.e., 30-32 hours). Field experience in area of study. Participation in on-the-job experiences in a wide range of hosting agencies, businesses and institutions. (F, Sp, Su) |
| HES     | 5513   | Perspectives in Global Health                        | Prerequisite: graduate standing. Examines major global health challenges, programs and policies. Students will be introduced to the world's vast diversity of determinants of health and disease, and current and emerging global health priorities will be discussed, including: emerging infectious diseases, poverty, conflicts and emergencies, health inequity, health systems reforms, and major global initiatives for disease prevention and health promotion.(F, Sp)   |
| HES     | 5523   | Health Promotion Strategies                          | Prerequisite: graduate standing. Will provide students with a basic introduction to the principles of health promotion. Specific topics will include risk appraisal and risk reduction, behavior change theories, program planning and management, holistic health/wellness, and others. (F)  |
| HES     | 5543   | Stress Theory Research and Management Applications   | Prerequisite: graduate standing. Help students gain awareness of stress and its effects, practice management techniques to reduce personal stress, develop stress research skills and learn ways to implement stress management into their lives as well as into the lives of others (in schools, the community, worksites, etc.).  |
| HES     | 5553   | Health Promotion Evaluation                          | Prerequisite: graduate standing and permission of instructor. Examination of the processes used to evaluate health promotion and health education programs. Includes: needs assessment, quality assurance evaluation, summative evaluation, data analysis, and cost benefit analysis strategies. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| HES     | 5563   | Health Behavior I: Individual and Group Influences | Prerequisite: Graduate standing or permission of instructor. Focuses on behavioral theories and research which are pertinent to understanding factors/conditions that influence the development of and change processes related to health behavior in individuals or small groups such as family units. It is designed to provide a knowledge and theoretical base for integration of behavioral principles into research design and health promotion programming. (Sp)   |
| HES     | 5813   | Exercise and Nutritional Biochemistry              | Prerequisite: graduate standing. Advanced study of the methodology, techniques and applications of biochemistry research as it applies to exercise and nutrition. Emphasis is on the applied aspects of biochemistry research, especially where exercise and nutritional interventions can mitigate or impact the flux and regulation of the many different enzymes and metabolic pathways that control metabolism and substrate utilization. Additional focus on genetic regulation, control and analytical techniques as they apply to exercise science research. (F, Sp) |
| HES     | 5823   | Exercise Physiology                                | (Crosslisted with I E 5823) Prerequisite: Industrial Engineering 4824; Zoology 3104 or 3133; Physiology 5016 or 5019; or permission. Advanced study of physiological responses, regulatory mechanisms and adaptations of human performance and health; factors affecting performance and health; and training and evaluative techniques. (F)  |
| HES     | 5833   | Advanced Exercise Physiology Laboratory            | Prerequisite: 5823 or permission. Laboratory experiments of a theoretical and applied nature emphasizing advanced concepts of physiological mechanisms, regulating responses and adaptation to exercise. Analytical and prescriptive methodologies pertaining to the energy, muscular and cardiorespiratory systems, including body composition techniques. Laboratory (Sp)   |
| HES     | 5843   | Biomechanics                                       | (Crosslisted with I E 5843) Prerequisite: 3843 or Industrial Engineering 4824 or permission. Review of muscle, bone and joint structure and function. Review of kinematic and kinetic principles as applied to human movement. Analysis of human movements using film, anthropometric, dynamometer, force platform, electromyographic and performance techniques. Application of human movement analysis to ergonomics, sport and rehabilitation. (Irreg.)  |
| HES     | 5853   | Health Fitness: Theory and Application             | Prerequisite: 3513 or 4513 and Zoology 3133, or equivalent; graduate standing. A multidisciplinary study of health-fitness theories and their applications in preventive health. Emphases are threefold: first, to understand the underlying theoretical framework of epidemiological, biological and behavioral concepts; second, to develop skills to implement programs emphasizing physical fitness assessment and prescription; third, to critically examine the role of physical activity and fitness strategies in preventive and therapeutic health settings.       |
| HES     | 5863   | Physiology of Aging                                | Prerequisite: Physiology 2124, 3104 or Zoology 3133, or permission of instructor. Discuss the various theories of aging as well as the age expected changes in the various physiological systems (cardiovascular, respiratory, muscle, bone, nerve and body composition). In addition, exercise programming concerns for the aged as well as the possible benefits of exercise during aging will be discussed. (F)  |
| HES     | 5883   | Exercise Endocrinology                             | Prerequisite: 5823 or permission of instructor. In-depth examination of the role of the endocrine system on regulating acute and chronic metabolic responses to exercise. Special endocrine issues related to exercise physiology (i.e., diabetes) will be studied. (Irreg.)  |
| HES     | 5940   | Intensive Studies in Health and Exercise Science   | 1 to 6 hours. Prerequisite: graduate standing or permission. Completion of research project under faculty supervision. Meets research requirement for non-thesis option. (F, Sp, Su)  |
| HES     | 5953   | Research Methods in Health and Exercise Science    | Prerequisite: graduate standing. Methods and techniques used in the design and interpretation of health promotion and exercise science research. Emphasis on scientific writing and library use. (Sp)   |



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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| HES     | 5960   | Directed Readings in Health and Exercise Science                        | 1 to 6 hours. Prerequisite: graduate standing, permission. Designed for graduate students to provide them with an opportunity to investigate selected problems in the field. Thirty hours library and research work for each credit hour. Consultations with instructor required. Written report. Required for all students in a nonthesis program. (F, Sp, Su)   |
| HES     | 5963   | Statistical Applications in Health and Exercise Science                 | Prerequisite: graduate standing or permission of instructor. The application of techniques used to organize, analyze, and interpret statistical data unique to health and exercise science. Topics include measures of central tendency, measures of variability, percentiles, sampling, correlation, regression, standard scores, and tests of significance through repeated measures ANOVA and including parametric, non-parametric tests. (Irreg.)   |
| HES     | 5980   | Research for Master's Thesis  | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. Required of all students writing master's thesis. Consultations with major professor required as thesis progresses. (F, Sp, Su)  |
| HES     | 5990   | Independent Study in Health and Exercise Science                        | 1 to 6 hours. Prerequisite: graduate standing or permission. A study of selected problems under guidance of instructor. At least twenty-five hours of library and research time required for each hour of credit carried. Final paper required. (F, Sp, Su)   |
| HES     | 5999   | Graduate Level Transfer Credit  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| HES     | 6000   | Variable Topics in Health and Exercise Science                          | Prerequisite: graduate standing or permission of instructor. Course will consist of variable topics in health and exercise science. (Irreg.)  |
| HES     | 6503   | Principles of Epidemiology in Health Promotion                          | Prerequisite: graduate standing and permission of instructor. Provides a theoretical and skill base to apply basic epidemiology principles and to critically evaluate the application of basic epidemiology research methods in health promotion. Heavily emphasizes application of concepts and student participation in the learning process. (Irreg.)  |
| HES     | 6513   | Qualitative Research Methods in Health Promotion                        | Prerequisite: graduate standing. Designed to provide students with a theoretical and skill base to apply basic qualitative research methods (observation, interviewing and focus groups) to a wide range of health promotion areas and to critically evaluate the application of qualitative skills to a community setting. Over the semester, a community-based qualitative research project will be conducted. Heavily emphasizes application of concepts and student participation in the learning process. (Irreg.) |
| HES     | 6523   | Social Marketing in Health Promotion                                    | Prerequisite: 5523 or permission of instructor. Focuses on the incorporation of basic marketing principles into strategies for behavioral and social change. Targeted outcomes include individual behaviors, group/population norms, environmental supports and policies pertinent to health promotion and/or public health issues. (Su)  |
| HES     | 6543   | Physical Activity and Health  | Prerequisite: graduate standing and permission of instructor. An examination of physical activity and exercise as they relate to health status and chronic disease prevention. Special emphasis will be placed on epidemiologic evidence of physical activity benefits across the lifespan in a variety of chronic disease states. (Irreg.)   |
| HES     | 6553   | Advanced Measurement and Evaluation                                     | Prerequisite: HES 5553 or permission of instructor. Issues related to measurement and evaluation in health promotion will be discussed. Different measurement techniques and instruments used in health promotion will be examined and critiqued, and principles of instrument development will be addressed. Issues related to the evaluation of health promotion program outcomes will serve as a context for the course. (Irreg.)  |
| HES     | 6563   | Health Behavior II: Community, Organizational and Population Influences | Prerequisite: HES 5563 or permission of instructor and graduate standing. Focuses on examining new and emerging theories used in health promotion to conduct research in organizational/community/individual change, and to improve health and quality of life. Emphasis on exploring the conceptual and methodological issues associated with theory-based research. (Sp)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| HES     | 6573   | Intervention Mapping                             | Prerequisite: 5563 and 6563, or permission of instructor. Course focuses on the process of developing health promotion programs using the steps of intervention mapping. Students are expected to have an understanding of needs assessment, the use of individual and community level behavior changing theories in the development of health promotion intervention, and program evaluation before taking the course. (Irreg.)   |
| HES     | 6583   | Chronic Disease Assessment and Intervention      | Prerequisite: graduate standing and permission of instructor. Provides basic understanding of selected chronic diseases including assessment, disease process, pharmacological and medical treatment and intervention strategies for reducing risk. (Irreg.)   |
| HES     | 6723   | Sports Nutrition and Ergogenic Aids              | Prerequisite: graduate standing or permission of instructor. Surveys the ergogenic aids that have been shown to be effective (and not) in the newest aids that are being used by competitive athletes. Covers nutritional, physiological and pharmacological ergogenic aids. Ergogenic aids that improve aerobic performance, anaerobic performance, thermal regulation during exercise, strength and body composition are discussed. (Sp)   |
| HES     | 6743   | Signal Acquisition and Analysis                  | Prerequisite: graduate standing or permission of instructor. Covers a variety of topics in signal acquisition and processing, including sampling theory, filtering, and frequency analysis. Special emphasis will be placed on conditioning biological signals and the development of signal analysis programs using labview programming software. (Irreg.)  |
| HES     | 6813   | Pulmonary Gas Exchange                           | Prerequisite: graduate standing or permission of instructor. Examines pulmonary structure and function as they relate to the process in which oxygen passes from the atmosphere to arterial blood. Heavily emphasizes the principles of ventilation, diffusion, blood flow, ventilation-perfusion relationships, gas transport, mechanics of breathing, acid-base balance, and the control of ventilation. In addition, an evaluation of how these principles are affected by exercise, disease, and healthy aging is included. (Irreg.) |
| HES     | 6823   | Cardiorespiratory Exercise Physiology            | Prerequisite: 5823 or permission of instructor. This course covers a variety of topics in cardiorespiratory exercise physiology, including factors that regulate fatigue during endurance exercise, factors that limit maximal aerobic power, regulation of heart rate and blood flow during isometric and dynamic exercise, and cardiovascular adaptations to aerobic training programs. Assessment techniques for cardiorespiratory function will be discussed in depth. Laboratory (Irreg.)   |
| HES     | 6833   | Human Body Composition                           | Prerequisite: 5823 or permission of instructor. Theoretical and applied aspects of body composition assessment. Topics include limitations and usefulness of laboratory and field methods for assessing body composition in research, clinical and health/fitness settings. Evaluation of body composition research and application to health and clinical populations. Laboratory (Irreg.)  |
| HES     | 6843   | Neuromuscular Physiology                         | Prerequisite: 5823 or permission of instructor. This course examines the structure and function of the central and peripheral nervous systems and skeletal muscle. Emphasis will be placed on how the central nervous system and motor units respond to conditions such as fatigue, exercise training, vibration, stretching, injury and disease. Laboratory (Irreg.)  |
| HES     | 6883   | Endocrinology and Metabolism of Exercise         | Prerequisite: 5823 or permission of instructor. Provide in-depth examination of the energy metabolism during exercise and the role of endocrine system in regulating acute and chronic metabolic responses to exercise. Special endocrine issues related to physiology (i.e. diabetes) will be studied. Laboratory (Irreg.)  |
| HES     | 6943   | Current Problems in Health and Exercise Science  | Prerequisite: graduate standing or permission of instructor. Special topics in health promotion and exercise science are considered in detail. Emphasis is placed on the intensive study of research literature in a designated specialty area in Health and Exercise Science. (Irreg.)  |
| HES     | 6960   | Directed Readings in Health and Exercise Science | Prerequisite: graduate standing and permission of instructor. May be repeated; maximum credit six hours. Special reading programs are designed to enable graduate students (1) to extend their study to fields that are not covered in other courses and/or (2) to provide an opportunity for more intensive study of subjects covered in other courses. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| HES     | 6970   | Seminar in Health and Exercise Science           | 1 to 4 hours. Prerequisite: graduate standing in HES or permission of instructor. May be repeated with change of subject matter; maximum credit four hours. Study of pertinent and current problems of research. Students may use seminars to identify and develop area of dissertation research. (Irreg.)  |
| HES     | 6980   | Research for Doctoral Dissertation               | 2 to 12 hours. (F, Sp, Su)  |
| HES     | 6990   | Independent Study in Health and Exercise Science | 1 to 3 hours. Prerequisite: master's degree and permission of instructor. May be repeated; maximum credit 12 hours. Supervised research for advanced graduate students on major projects with a faculty member. (F, Sp, Su)   |
| HIST    | 1101   | The Experience of War                            | Prerequisite: permission of the department. Introduces students (veterans) to the history and literature of war through a discussion of the Civil War and Vietnam. Encourages veterans to use the humanities and their own experiences to think about, and express their thoughts on, war as experienced by others and by themselves through history. (F) [IV-WC]   |
| HIST    | 1113   | History of Medieval Europe                       | History of Europe from the fall of Rome to the end of the 15th century. Emphasis on the development of social structures and culture forms, and the sociocultural background of political and religious developments. (F, Sp)   |
| HIST    | 1223   | Europe, 1500 to 1815                             | An introductory survey of Europe in the early modern period. Topics include the Reformation, development of the nation-state, the Enlightenment, and the French Revolution and Napoleon. (F, Sp) [IV-WC]  |
| HIST    | 1233   | Europe since 1815                                | An introductory survey of Europe from 1815 to the present. Examines the major political, economic, social and cultural trends in the major countries and European foreign affairs and overseas expansion. (F, Sp) [IV-WC]   |
| HIST    | 1303   | The History of Disease                           | Prerequisite: English 1213/Expository Writing 1213 or permission of instructor. Examines contagious disease in the 20th century. It explores a time period-- following the discovery of antibiotics-- in which biomedicine seemed invincible. The course, as it moves later into the 20th century, when the AIDS virus and resistance to antibiotics turned contagion into a new, and thoroughly modern, threat. (Irreg.) [IV-WC] |
| HIST    | 1483   | United States, 1492 to 1865                      | A general survey of United States history from its colonial origins to the end of the Civil War, with emphasis upon national political, diplomatic, economic, constitutional, social and intellectual developments. (F, Sp, Su) [IV-US]   |
| HIST    | 1493   | United States, 1865 to the Present               | A general survey of United States history from the Civil War to the present day, with emphasis upon national political, diplomatic, economic, constitutional, social and intellectual developments. (F, Sp, Su) [IV-US]   |
| HIST    | 1543   | Introduction to American Indian History          | A history of American Indian people in North America and their role in shaping American history through the early 1970's. Emphasis will be on how cultural values influenced Indian-European interactions and how cultures change over time. (F, Sp) [IV-NW]  |
| HIST    | 1613   | Western Civilization I                           | History and culture of western civilization from origins of Greek society to end of religious wars in seventeenth century. (F) [IV-WC]  |
| HIST    | 1623   | Western Civilization II                          | History and culture of western civilization between 1660 and the present. Emphasis will be placed on western institutions and ideas, their evolution, and their influence elsewhere. (Sp) [IV-WC]   |
| HIST    | 1723   | East Asia to 1600                                | A general survey of the histories of China and Japan with the history of Korea included as it bears upon the history of Japan. The focus is on the political, social, economic, and intellectual aspects of China and Japan, and their points of contact. (Irreg.) [IV-NW]  |
| HIST    | 1733   | East Asia Since 1600                             | A general survey of the histories of China, Japan, and Korea from 1600 to the present. Focus is on the political, social, and economic systems of these countries, major historical events and intra-Asian interactions. (Irreg.) [IV-NW]   |
| HIST    | 1913   | World Civilizations to 1600                      | Deals with the entire globe rather than with some one country or region; deals with all peoples, not just with Western or non-Western peoples. Focuses on historical forces or movements of worldwide influence. Comparative history. (F) [IV-WC]   |
| HIST    | 1923   | World Civilization 1600-Present                  | Deals with the entire globe rather than with one country or region; deals with all peoples, not just with so-called Western or non-Western peoples. Focuses on historical forces or movements of worldwide influence. Comparative history. (Irreg.) [IV-WC]   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| HIST    | 1999   | Lower Division Transfer Credit                               | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| HIST    | 2013   | Ancient Near Eastern Civilizations                           | A study of the major civilizations of the Ancient Near East from the last Pluvial period (ca. 8400 B.C.) through the first millennium B.C., with particular emphasis on the historic periods (ca. 3000 B.C. onwards). (Irreg.) [IV-NW]  |
| HIST    | 2023   | Greek and Roman Civilization                                 | Covers the major political events of Greco-Roman history and civilization, but considerable attention will be devoted to Greek and Roman religion, historical writing, Roman law, engineering, and architecture; also Periclean Athens and Augustan Rome. Contributions of these civilizations to our own will be described. (Irreg.) [IV-WC] |
| HIST    | 2043   | African-American History Since 1877                          | Traces African-American history from 1877 to the present. (Irreg.) [IV-WC]  |
| HIST    | 2103   | Genocides in Modern History                                  | Globally comparative course introduces students to the types and causes of genocide in the modern era. Focus is on various case studies of exterminatory mass violence, in order to analyze evolutions and patterns in transnational historical contexts, as well as consider methods of resistance and prevention. (Irreg.)                  |
| HIST    | 2123   | The Holocaust  | Discussion of the Holocaust, how it could happen and how it is remembered today in different European and non-European countries. (Irreg.) [IV-WC]  |
| HIST    | 2203   | Religion/Archaeology of the Near East, Egypt & Mediterranean | Investigates archaeology of key cities and events of the Mediterranean and the Near Eastern cultures. As a part of the study of these cultures we include aspects of religion and architecture. (Irreg.) [IV-WC]  |
| HIST    | 2223   | Evil in Modern Europe  | This course uses the ethical, behavioral & experiential category called "evil" to examine key issues in modern European political, social, cultural and intellectual history. (Irreg.) [IV-WC]  |
| HIST    | 2333   | The British Empire   | A survey of the development of the British Empire and Commonwealth to the present day. Emphasis upon the period after the American Revolution; includes extension of control in Asia and Africa, movements of independence, the emergence of the Commonwealth and mid-twentieth-century challenges to the Commonwealth. (Irreg.) [IV-WC]      |
| HIST    | 2503   | American Jews/Jewish Americans                               | Through a case study of American Jewry, this class will ask: How to define a minority (religion, race, ethnicity)? How does a group create lasting institutions? How does a group become American yet retain communal identity? How can a minority shape majority culture? What constitutes "success"? (Irreg.) [IV-WC]                       |
| HIST    | 2573   | The History Sleuth   | Prerequisite: majors only or permission of department. Introduces students to the craft of history. Students will explore the many types of sources available to reconstruct the past and learn how historians collect, select, and evaluate historical evidence. (F, Sp)   |
| HIST    | 2613   | Colonial Hispanic American History, 1492-1810                | The founding and development of the Spanish and Portuguese empires in America with special attention to the conquest of native civilizations and to the political, economic, social and intellectual institutions of the colonial period. (F, Su) [IV-WC]   |
| HIST    | 2623   | History of the Hispanic-American Nations, 1810 to Present    | The emancipation and development of the Spanish-American nations (and of Brazil) with special attention to the movements for national independence, political unification, economic developments and social welfare. (Sp) [IV-WC]   |
| HIST    | 2713   | Survey of African Civilization                               | Survey of the social, economic, political and cultural development of sub-Saharan African peoples from the emergence of human society to the present. (F) [IV-NW]   |
| HIST    | 2803   | Survey of Russia   | An introduction to the history of Russia from its beginnings to the present day. Intended primarily for nonspecialists. (F) [IV-WC]   |
| HIST    | 2970   | Special Topics   | 1 to 3 hours. Prerequisite: sophomore standing or permission of instructor. May be repeated; maximum credit six hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| HIST    | 3003   | History of Sparta  | Traces the history of Sparta from its antecedents in the Heroic Age through the Dorian Invasion to the Roman conquest.(Sp) [IV-WC]  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| HIST    | 3013   | Archaic Greece                                       | An examination of the history of ancient Greece from the earliest times to the fifth century, with emphasis upon Minoan Crete, Mycenaean Greece, Homeric Greece and the Archaic era (c. 3000 to 500 B.C.). (F) [IV-WC]   |
| HIST    | 3023   | Classical Greece                                     | An examination of the history of ancient Greece during its "Classical" Period, the fifth and fourth centuries B.C., with emphasis upon Athens, Sparta and Alexander the Great (C. 500-300 B.C.). (Irreg.) [IV-WC]  |
| HIST    | 3033   | Alexander the Great                                  | Prerequisite: junior standing. Examines the Macedonian and 4th Century Greek background of Alexander, the career of Alexander, and the legacy of Alexander (the Hellenistic world). Topics include the breakdown of Greek unity, Alexander's conquests and military genius, his sudden death and the resulting wars of succession, the culture of the Hellenistic period. (Alt. F) [IV-WC]             |
| HIST    | 3043   | Egypt and Mesopotamia                                | Prerequisite: Junior standing or permission of instructor. A study of the ancient histories and cultures, literatures, religious thought, political ideas, and art. (Irreg.) [IV-NW]   |
| HIST    | 3053   | Medieval Italy                                       | Prerequisite: 1113 or 1613 or junior standing. A survey of Italy from circa 400-1350 CE, emphasizing the mix of Roman, Christian, and barbarian traditions, relations between the church and empire, and the role of cities and commerce. (Sp) [IV-WC]   |
| HIST    | 3060   | Topics in Medieval History                           | 1 to 5 hours. May be repeated for credit with change of content. Discussion of a selected special problem or problems in medieval history. (F, Sp)   |
| HIST    | 3063   | The Ancient Art of War                               | Traces the history of warfare from its origins through the ancient world to the beginning of the Middle Ages. (Sp) [IV-WC]   |
| HIST    | 3073   | The Renaissance                                      | Prerequisite: HIST 1223 or HIST 1613 or junior standing or permission of instructor. Examines the European Renaissance, a time period that was crucial to the development of western European culture, intellectual thought, and state formation. By reviving classical antiquity, the Renaissance created both the classical canon of intellectual study and modern political units. (Irreg.) [IV-WC] |
| HIST    | 3083   | The American Colonies                                | A history of the British colonies in North America from the earliest discoveries and of the United States from the Second Continental Congress to the inauguration of Washington in 1789. (Irreg.) [IV-WC]   |
| HIST    | 3093   | The United States: Revolution and New Nation to 1815 | The American Revolution and the development of political institutions under the Articles of Confederation and the Constitution; innovations of the Federalists; domestic and foreign affairs. (Irreg.) [IV-WC]   |
| HIST    | 3103   | Slavery in World History                             | Prerequisite: junior standing. Examines slavery and unfree labor from the earliest times in Mesopotamia to the present and includes an analysis of slavery in the American South and Latin America. Also traces the history of the Abolition Movement. (Irreg.) [IV-NW]  |
| HIST    | 3113   | The Crusades   | Prerequisite: 1113 or 1613 or junior standing. Covers crusades to the Holy Land and Europe against Moors, pagans, heretics, and enemies of the Pope. Topics include crusade ideology, relations between Latins, Byzantines, Jews and Muslims, crusader states, techniques of warfare, and the experience of crusading. (F) [IV-WC]   |
| HIST    | 3120   | Topics in Modern European History                    | 1 to 5 hours. May be repeated for credit with change of content. Discussion of a selected special problem or problems in modern European history. (Irreg.)   |
| HIST    | 3133   | Medieval Women                                       | (Crosslisted with WGS 3133) Prerequisite: 1113 or 1613 or junior standing. Covers social history of women in western Europe from late Antiquity to the late Middle Ages. Topics include stages of life, marriage, families, occupation, law, power, health, religion, love, and education. (F) [IV-WC]   |
| HIST    | 3143   | The Era of the Reformation                           | An analysis of the forces leading to the religious upheaval in the sixteenth century and the spread of Protestantism in Northern European countries; the Catholic Reformation or Reaction; Thirty Years War; and the relation of the Reformation Era to medieval and modern civilization. (F) [IV-WC]  |
| HIST    | 3153   | The Great War, 1914-18                               | Prerequisite: 1233 or 1623. Examines the causes, conduct, and consequences of World War I, with primary emphasis on its cultural impact. (F) [IV-WC]   |
| HIST    | 3163   | Europe from the French Revolution to Napoleon        | A social, political, military and cultural treatment of Europe from 1789 to 1815. Appropriate attention will also be given to causes of the French Revolution. (Sp) [IV-WC]  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| HIST    | 3193   | Modern France: Gender, Religion and Nation        | Prerequisite: HIST 1623 or HIST 1233 or junior standing or permission of instructor. This course surveys key events and ideals that have shaped the modern nation of France. We will engage literature, history, film, and sociology to develop a more nuanced understanding of France and its place in the world. We will focus particularly on the roles played by gender and religious identities in constructing or complicating definitions of French citizenship. (F) |
| HIST    | 3203   | Transformation of Jews                            | Prerequisite: Junior standing or permission of instructor. Introduces students to the era of emancipation in modern Europe and will discuss Jewish approaches to become integrated and assimilated in the different emerging nation states. (Irreg.) [IV-WC]  |
| HIST    | 3213   | Intellectual History of Nineteenth-Century Europe | Examination of the impact on European social and political development of concepts such as Nationalism, Imperialism, Socialism and Darwinism. (Irreg.) [IV-WC]  |
| HIST    | 3223   | Intellectual History of Twentieth-Century Europe  | A general survey of the major intellectual developments in Western Europe since 1900, including the areas of social thought, religious thought, political philosophy, scientific thought, literature and drama. In each area the relationship of intellectual expression will be related to the historical context from which it emerged. (Irreg.) [IV-WC]  |
| HIST    | 3233   | Modern Spain                                      | Prerequisite: junior standing. Examines the political, economic, social, and cultural aspects of modern Spanish history (1808-present) and will attempt to place Spain within the context of European history, where it has often been ignored by European historians. (F, Su) [IV-WC]  |
| HIST    | 3243   | European Women & Gender Relations                 | Prerequisite: 1233 or 1623. Explores the social, cultural, political, and economic history of European women and gender relations from the Scientific Revolution to the present. (Irreg.) [IV-WC]   |
| HIST    | 3273   | History of Ireland, Part I                        | Examines the early history of Ireland from the third century to 1600. Looks at early tribal culture, the advent of christianity and its effect, the struggle for national unification, and relations with England. (Sp) [IV-WC]   |
| HIST    | 3283   | History of Ireland, Part II                       | Examines the history of Ireland from 1600 to the present day. Looks at the British conquest of Ireland, subsequent Anglo-Irish relations, events leading to Irish independence, and the origins and causes of present day sectarian violence. (Sp-alternate) [IV-WC]  |
| HIST    | 3290   | Topics in British History                         | 1 to 5 hours. May be repeated for credit with change of content. Discussion of a selected special problem or problems in British history. (Irreg.)  |
| HIST    | 3293   | Antisemitism                                      | Prerequisite: HIST 1483 or HIST 1493 or junior standing or permission of instructor. Covers the world's oldest prejudice from ancient times to the present. Topics include Christian Antisemitism; medieval demonization of the Jews; Inquisition; Dreyfus case; pogroms; American Antisemitism; Nazism and Holocaust; Arab and Muslim Antisemitism; and African American Antisemitism. (Irreg.) [IV-WC]  |
| HIST    | 3313   | Israeli Culture Through Film                      | Prerequisite: junior standing or permission of department. Introduces students to the Israeli culture in its modern day context of the young Jewish state. Focuses on the dynamic mosaic of this multi-faceted society which is still evolving. (Sp) [IV-NW]  |
| HIST    | 3323   | Tudor England                                     | A study of England from 1485 to 1603. Topics covered include the establishment of the Tudor dynasty, Tudor administrative and political development, the English Reformation, foreign and colonial relations, economic growth, and sixteenth-century social and cultural life. (F) [IV-WC]  |
| HIST    | 3333   | Stuart England                                    | A study of England from the accession of James I in 1603 to the death of Queen Anne in 1714. Topics covered include economic change and growth, colonial development, the Puritan revolution, constitutional and religious controversies following the Restoration, and social and intellectual developments. (Sp) [IV-WC]  |
| HIST    | 3343   | Eighteenth-Century England                        | A discussion of the domestic politics, society, economy, foreign affairs and constitutional and imperial development of England from the accession of the Hanoverians in 1714 to the passage of the First Reform Act of 1832. (Irreg.) [IV-WC]  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| HIST    | 3353   | England Since 1832                             | Topical analysis of major developments in British life since 1832, including growth of political democracy, adaptation to industrialism, social and cultural change, foreign affairs, imperialism, growth of the welfare state. Britain's changed role in the twentieth century. (Irreg.) [IV-WC]   |
| HIST    | 3363   | Legal And Constitutional History Of England I  | The first part of a course of lectures on the development of the English constitution, and of legal concepts, institutions and procedures from the Anglo-Saxons to the present. (Irreg.) [IV-WC]  |
| HIST    | 3373   | Legal and Constitutional History of England II | Prerequisite: junior standing. The second of a two-part course on the development of the English constitution and of legal concepts, institutions and procedures from the Anglo-Saxons to the 20th century. It covers the period 1485-1911. (Irreg.) [IV-WC]  |
| HIST    | 3383   | The American West                              | A survey of the economic, political, social and cultural development of the American West. Particular attention will be paid to the West as a frontier process and as a causative factor in historical change.(F) [IV-WC]   |
| HIST    | 3393   | History of Oklahoma                            | Meets the requirement in Oklahoma history for teacher's certificate. A survey of Oklahoma history from its beginning to the present, including its Indian background, formation into territories, achievement of statehood, and general cultural, economic and political development. (F, Sp, Su)   |
| HIST    | 3403   | Modern Israel                                  | Prerequisite: HIST 1483 or HIST 1493 or junior standing or permission of instructor. Introduces students to the history of modern Israel. They will learn about the Israeli people, politics & culture. The course will cover 100 years (1882-1982). (Irreg.)[IV-NW]  |
| HIST    | 3413   | The History of Ancient Israel                  | A topical survey from 1400 B.C. to 425 A.D., dealing critically with the main institutions and their historical background from early tribal theocracy to the end of the Rabbinic Patriarchate under Rome. (Sp) [IV-WC]   |
| HIST    | 3423   | War, Prosperity and Depression                 | Prerequisite: HIST 1483 or HIST 1493 or junior standing or permission of the instructor. Covers United States involvement in the two world wars; decline of socialism; youth culture; changing gender roles and relations; crisis of masculinity; transformation of work; consumerism; racism; antisemitism; depression and New Deal; and America's response to the Holocaust. (Irreg.) [IV-WC]   |
| HIST    | 3430   | Topics in United States History                | 1 to 5 hours. May be repeated for credit with change of content. Discussion of a selected problem or problems in United States history. (F, Sp, Su)   |
| HIST    | 3433   | The United States in the Cold War Era          | Prerequisite: 1493 or the equivalent. Examines changes taking place in American life during the second half of the twentieth century. Topics include the Cold War, McCarthyism, the New Frontier, Civil Rights Movement, protest in the 60s, the Vietnam War, and adaptations to a global economy. [IV-WC]  |
| HIST    | 3440   | Mentored Research Experience                   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| HIST    | 3453   | The American Frontier Since 1828               | An analysis of frontier development in the trans-Mississippi West with special emphasis on a comparative view of world frontiers. (Sp) [IV-WC]  |
| HIST    | 3463   | The Life of the Mind in America: to 1815       | Main currents in American thought during the nation's first two centuries. How a uniquely American culture developed in response to a unique environment. Special topics: European intellectual background, early religious thought, the enlightenment, evolutionary ideology, racial thought, nationalism and the philosophic foundations of the new experiment in government. (Irreg.) [IV-WC]  |
| HIST    | 3473   | Life of the Mind in America: 1815 to 1877      | Main currents in American thought during the nineteenth century. How American culture weathered the tests of expansion, sectionalism, Civil War and economic growth. Special topics: the ideology of American democracy, Romanticism and Transcendentalism, religion, reform, the debate over slavery, the impact of war and the intellectual defense of American capitalism. (Irreg.) [IV-WC]  |

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| Subject | Number | Title                                | Course Description  |
|---------|--------|--------------------------------------|---|
| HIST    | 3493   | American Environmental History       | Examine American attitudes toward the environment since the founding of American colonies, evolution of natural resource policies, and lives of prominent figures in the "conservation" and "ecology" movements of the late nineteenth and twentieth centuries. (F) [IV-WC]   |
| HIST    | 3500   | Special Topics in History            | Prerequisite: junior standing. May be repeated with change of content; maximum credit six hours. Covers topics not covered in current course listings or specific geographic area topics courses. (F, Sp)   |
| HIST    | 3503   | World War II                         | Prerequisite: junior or senior standing. Treats origins, conduct and outcome of World War II in global setting. Emphasis on roles of national interest, policy making, relations of states, and effects of war on societies involved. (F) [IV-WC]   |
| HIST    | 3513   | Central America and the Caribbean    | Prerequisite: Junior standing or permission of instructor. Explores the rise of Caribbean society from Columbus to decolonization. Explores rise of Central America export societies, followed by attempts at reform and revolution. (Irreg.) [IV-WC]   |
| HIST    | 3523   | American Southwest                   | Prerequisite: 1483 or junior standing or permission of the instructor. History of the American southwest from the exploration, colonization, and development of the southwest under Spanish rule, (1513-1821), through the initial penetration, conquest, and settlement by the united states (1821-1900), including interaction with indigenous people. (Irreg.) [IV-WC]   |
| HIST    | 3533   | The History of Early American Women  | Prerequisite: 1483 or 1493, or junior standing. Explores the history of American women from the seventeenth century to the mid-nineteenth century by focusing on women's lives from a wide variety of perspectives including demographic change, sexuality, work patterns, and political involvement. (F) [IV-WC]   |
| HIST    | 3543   | The History of Modern American Women | Prerequisite: 1483 or 1493, or junior standing. Explores the history of American women from the mid-nineteenth century to the present by focusing on women's lives from a wide variety of perspectives including demographic change, family life, sexuality, work patterns, and political involvement. (Sp) [IV-WC]   |
| HIST    | 3553   | The Civil War                        | A course of lectures on the social, economic, political, intellectual and military aspects of the years 1861 to 1865. (Irreg.) [IV-WC]  |
| HIST    | 3563   | Jerusalem                            | Prerequisite: HIST 1483 or HIST 1493 or junior standing or permission of instructor. Examines how Jerusalem has been shaped by subjects as different as King David, Jesus, and Muhammed to soccer hooligans, suicide bombers, artists, and refugees. Also examines the Middle East conflict; the relationships between Jews, Christians, and Muslims; and historical and contemporary Israel. (Irreg.) [IV-NW]  |
| HIST    | 3573   | Special Topics Colloquium            | Prerequisite: History major and junior standing or permission of instructor. May be repeated with change of topic, maximum credit 15 hours. A writing-intensive, open topic, seminar designed to improve students' research and writing abilities and introduce them to basic methodological issues in history. While the course is specifically meant to prepare students for their senior capstone course, the emphasis on research and writing will enhance their preparation for all upper-division history course. This course must be completed prior to enrolling for the senior capstone. (F, Sp) |
| HIST    | 3583   | History of Sport in America          | Examines the role of sport in American society, and uses sport as a device to explore social, historical and political topics like the commercialization of leisure, changing conceptions of masculinity, violence, racism, labor relations, gender relations, and working-class culture. (Irreg.)  |
| HIST    | 3593   | Women in the American West           | Prerequisite: 1483 or 1493. Nineteenth-century gender ideologies, multi-cultural interaction and exchange, work roles and community building, participation in politics, and reform movements of women in Trans-Mississippi West. (Irreg.) [IV-WC]  |



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|---------|--------|--|---|
| HIST    | 3603   | Germany 1918-1990: The Short Twentieth Century             | Prerequisite: junior standing. Surveys Germany's experience from the period before the first world war into the 1990's. Students will explore the violent stresses challenging Europe's most dynamic industrial society, and the spiral into dictatorship, war and genocide after the failure of a fragile democracy in the first half of the century. The course tracks the subsequent challenges facing divided successor states of east and west between 1945 and the reunification of the 1990's. (Irreg.)      |
| HIST    | 3623   | Conformity and Dissent in the 1950s and 1960s              | Examines conformity and dissent in the 1950s and 1960s. Topics include the consumer culture, suburbia, the impact of television, 'McCarthyism', the Beats and the 1960s counterculture, student protest, civil rights and black nationalism, and women's liberation. (Irreg.) [IV-WC]   |
| HIST    | 3633   | American Indian Ethnohistory to 1870                       | Prerequisite: junior standing. Examines the ways in which native societies in North America responded to European invasions between 1492 and 1890. Emphasis will be placed on Indian culture, the way in which it changed, and the various governmental attempts to destroy it. (F) [IV-NW]   |
| HIST    | 3643   | American Indian: 1870-Present                              | Prerequisite: junior standing. Examines American Indian history since the 19th century reservation era. Major themes include life patterns, cultural survival patterns, pan-Indian movements, the Indian Reorganization Act, relocation and termination policies, and self-determination issues. (Sp) [IV-WC]   |
| HIST    | 3653   | American Jewish History                                    | Prerequisite: HIST 1483 or HIST 1493 or junior standing or permission of instructor. The course examines American Jewish experiences from 1654 to the present, and the ways in which Jews adapted to American life, constructed American-Jewish identities, and contributed to American politics and culture. Topics include: immigration, assimilation, gender norms, antisemitism, McCarthyism, suburbanization, the Holocaust, Israel, the civil rights movement, and political behavior, among others. (Irreg.) |
| HIST    | 3663   | The American Presidency & the Presidents, Washington-Trump | Prerequisite: HIST 1483 or HIST 1493, junior standing or permission of instructor. Provides an examination of the most important presidents in US history. Topics include the limits of presidential power, the separation of powers, leadership in war and peace, and the changing role of political parties, the press, and campaign contributions in shaping the office and those who fill it. (Irreg.) [IV-WC]  |
| HIST    | 3673   | African-American Thought in the 20th Century               | Prerequisite: 2043. Survey of the key African-American thinkers of the 20th century. (Irreg.) [IV-WC]   |
| HIST    | 3690   | Topics in Latin American History                           | 1 to 5 hours. May be repeated for credit with change of content. Discussion of a selected special problem or problems in the history of Latin America. (F)  |
| HIST    | 3693   | Political/Socioeconomic History of South Africa            | Prerequisite: 2713. Traces the political and socioeconomic experience of South Africans from 1652 to the present. Emphasizes political and social transformation of South African from racial segregation to Apartheid. Also examines the post-Apartheid changes in contemporary South Africa. (Irreg.) [IV-NW]   |
| HIST    | 3703   | Native Peoples of Latin America                            | Explores the history of Latin America's indigenous peasantry and the issue of ethnicity in the modern world. Focus is on the people of Mexico, Guatemala, Peru and Brazil. (Irreg.) [IV-NW]   |
| HIST    | 3713   | History of Mexico, 1800-Present                            | Explores the history of Mexico from independence to the present. Particular attention is paid to the issues of statebuilding, dependency, revolution, and post-revolutionary change. (Irreg.) [IV-WC]   |
| HIST    | 3723   | Africa Since 1945  | Prerequisite: junior standing. The course thematically and chronologically examines social, political, cultural and economic developments in Africa from the end of World War II to the contemporary period. The growth of millenarian religious movements, nationalism, decolonization, and the post-colonial nation states are among the topics examined. (F) [IV-NW]   |
| HIST    | 3733   | History of Heaven and Hell in Judaism and Christianity     | Prerequisite: junior standing or permission of instructor. Traces the evolution of the concept of the afterlife, eternal reward and punishment in Judaism and Christianity from late Antiquity to the high Middle Ages. (Irreg.) [IV-WC]  |

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| Subject | Number | Title                                       | Course Description   |
|---------|--------|---|--|
| HIST    | 3743   | African-American History to 1877            | Prerequisite: HIST 1483 or HIST 1493 or junior standing or permission of instructor. Traces the history of African-Americans from their African origins to the end of the Reconstruction of the southern United States in 1877. (Irreg.) [IV-WC]   |
| HIST    | 3770   | Topics in Russian and East European History | 1 to 5 hours. May be repeated for credit with change of content. Discussion of a selected special problem or problems in Russian or Eastern European history. (Sp)   |
| HIST    | 3773   | Jews and Christians--Middle Ages            | Prerequisite: HIST 1113 or HIST 1223 or HIST 1613 or junior standing or permission of instructor. Traces the development of the relationship between the Jewish minority and the Christian majority in medieval Europe, from the fifth century to the early modern period. Discusses how Jews and Christians dealt with and imagined each other. (Irreg.) [IV-WC]  |
| HIST    | 3793   | Imperial Russia                             | A study of the origins and growth of the Russian Empire, origins and development of autocracy and serfdom, Russia's emergence as a great power, its reforms and revolutions. (Sp, Su) [IV-WC]  |
| HIST    | 3803   | The Era of the Russian Revolutions          | Deals specifically with the conditions and events of change in Russia between 1905 and 1921. Seeks to take into account the broad questions of industrialization and backwardness, the popular responses to these matters and the rise of radical groups. Beyond this setting, major attention will be placed on the dissolution of the old regime during World War I and the two revolutions of March and November 1917, as well as the civil wars and the NEP. (Sp)                                |
| HIST    | 3813   | Twentieth-Century Russian History           | Detailed study of political, social, cultural and economic developments in the Soviet Union in world affairs. (F) [IV-WC]  |
| HIST    | 3823   | Law and Punishment                          | Prerequisite: junior standing or permission of instructor. Examines how four ancient polities--classical Athens, imperial Rome, early China, and the Hebrew tribes, as represented in the Hebrew Bible--meted out, and justified, punishment. Where possible, we will probe contemporary debates about punishment, but we will also closely scrutinize portions of the still extant codes and commandments from these polities relating to various criminal activities of interest. (Irreg.) [IV-WC] |
| HIST    | 3840   | Topics in Asian History                     | 1 to 5 hours. May be repeated for credit with change of content. Discussion of a selected special problem or problems in Asian history. (Sp, Su)   |
| HIST    | 3853   | Japan to 1850                               | Prerequisite: 1723 or 1733 or junior standing. Trace the history of Japan beginning with the earliest Jomon and Yayoi cultures and ending with the unraveling of the last feudal regime in the nineteenth century. (Irreg.) [IV-NW]  |
| HIST    | 3863   | Japan Since 1850                            | Prerequisite: 1723 or 1733 or junior standing. Designed to introduce students to the history of Japan from the 1850's to the present. Will include the Meiji restoration, industrial development, imperial expansion, wartime mobilization, the U.S. occupation, economic recovery and high growth, and the changing political and popular culture of the 1980s and 1990s. (Irreg.) [IV-NW]  |
| HIST    | 3873   | Early Imperial China                        | Prerequisite: 1723 or junior standing or permission of instructor. The cultural, political, economic, and social transformations China underwent during the period from the Sui to the Song dynasties. (Alt. F) [IV-NW]  |
| HIST    | 3883   | Late Imperial China                         | Prerequisite: 1723 or 1733 or junior standing or permission of instructor. The cultural, political, economic, and social transformations China underwent during the rule of its later dynasties from the 13th-century Mongol conquest to the final struggles and collapse of China's existence as an empire with the Revolution of 1911. (Irreg.) [IV-NW]  |
| HIST    | 3903   | Contemporary Japan                          | Prerequisite: 1733 Or 3863. Explores the unique politico-economic system that developed in Japan following the Pacific War. While emphasizing the characteristics of this system, students also learn about the people living in it, how they adapt, how some do not, and the challenges facing Japan today. (Irreg.) [IV-NW]  |
| HIST    | 3923   | China Since 1911                            | Prerequisite: 1733 or junior standing or permission of instructor. An examination of Chinese history since the Revolution of 1911, including the development of Republican and Communist thought, warlord rule, China's tumultuous wartime period, and the rise of the People's Republic of China (PRC). The course will also cover the history of the PRC, China after Mao, Taiwan and China's changing position in the world. (Irreg.) [IV-NW]   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| HIST    | 3933   | History of the Great Witch-Hunt in Early Mod. Europe & America | (Crosslisted with W S 3933) Prerequisite: junior standing. Covers an important era in the history of human rights and misogyny while offering a view of early modern Europe through social, legal, political, and religious lenses. (Irreg.) [IV-WC]   |
| HIST    | 3943   | Muslim Societies in Africa                                     | Prerequisite: HIST 2713 or junior standing or permission of instructor. Explores the history, nature, and dynamics of Islam in Africa -- Early Islam; Muslim Societies/Groups; Islamic fundamentalism; Women and Islam; Religious practices/education; prayers/rituals; Africanization of Islam. (Irreg.) [IV-NW]  |
| HIST    | 3950   | Topics in Middle Eastern History                               | 1 to 3 hours. Prerequisite: junior standing. May be repeated with change of content; maximum credit nine hours. Discussion of a selected problem or problems in Middle Eastern history. (Irreg.)   |
| HIST    | 3953   | The Modern Middle East   | Explores the political and social history of the modern countries of Egypt, Iraq, Israel, Jordan, Lebanon, Saudi Arabia, Syria and Turkey and areas affected by them from 1500 to the present. (F) [IV-NW]   |
| HIST    | 3960   | Honors Reading   | 1 to 3 hours. Prerequisite: admission to Honors Program and permission. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| HIST    | 3963   | Rebirth of Israel  | Prerequisite: junior standing. Examines the historical evolution of the Zionist movement in the second half of the 19th century through the establishment of the State of Israel in the mid-20th century within the framework of Jewish modernization, antisemitism, and conflicting modern nationalisms. (Irreg.) [IV-WC]   |
| HIST    | 3973   | Judaism - A Religious History                                  | Prerequisite: junior standing. Introductory survey of Judaism from its earliest origins in the ancient Near East to the present. Development of ideas, forms of worship, and religious expression as well as sectarian trends and variations will be examined. (Irreg.) [IV-NW]  |
| HIST    | 3980   | Honors Research  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| HIST    | 3983   | Medieval Jewish History  | Prerequisite: junior standing or permission of instructor. Survey of Jewish history from the fall of the Second Temple in 70 C.E. to the expulsion from Spain in 1492. Primary emphasis on the social and intellectual history of the Jewish communities of the Islamic world and of Latin Christendom and their relations with the two great medieval civilizations. (Irreg.) [IV-NW] |
| HIST    | 3990   | Independent Study  | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| HIST    | 3993   | The Evolution of Martyrdom in the Judeo-Christian Civilization | Prerequisite: junior standing. Traces the historical development of martyrdom in Judaism and Christianity to understand what motivated individuals and communities to give up their lives for their convictions. Compare the evolution of the idea of martyrdom in Judaism and Christianity to identify differences and similarities between these two faiths. (Irreg.) [IV-WC]        |
| HIST    | 3999   | Upper Division Transfer Credit                                 | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| HIST    | 4003   | Jews and Other Germans   | Prerequisite: Junior standing or permission of instructor. Discusses the history and culture of the Jews in Germany from 1750 until the Nazi period. Focuses on the internal dimension of the German-Jewish experience and analyze the contribution of Jews to the German culture. (Irreg.) [IV-WC]  |
| HIST    | 4013   | Modern Italy   | Prerequisite: 1233 or junior standing or permission of instructor. Examines the formation of Italy as a nation-state, one of the most significant events in modern European history, particularly in light of colonialism and World War II. (Irreg.) [IV-WC]   |

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| Subject | Number | Title                                     | Course Description   |
|---------|--------|---|--|
| HIST    | 4023   | Inquisitions                              | Prerequisite: 1223 or 1233 or junior standing or permission of the instructor. Examines the historical roots of inquisitions in order to better understand how they have shaped modern conflicts. The mechanisms people used for disciplining themselves, for imposing control on others, and for evaluating who has the right to participate in society reveals people's fears, priorities, and weaknesses. (Irreg.) [IV-WC]  |
| HIST    | 4073   | Cities in Europe                          | Prerequisite: HIST 1223 or HIST 1233 or HIST 1613 or HIST 1623 or HIST 1923 or junior standing or permission of instructor. Investigates the impact of industrial modernity upon the European metropolis, primarily via the lens of the leading European cities from the 18th to the 21st century. (Irreg.)  |
| HIST    | 4083   | Museums, Monuments, Memory                | Prerequisite: HIST 1223 or HIST 1233 or HIST 1613 or HIST 1623 or HIST 1923 or junior standing or permission of instructor. Globally oriented course that explores how national and ethnic memory play a key role in the formation of social and cultural identities. Emphasis is placed on rituals, "sites of memory," monuments, museums and their publics. (Irreg.)   |
| HIST    | 4093   | Urban Destruction and Reconstruction      | Prerequisite: HIST 1223 or HIST 1233, or HIST 1483 or HIST 1493, or HIST 1613 or HIST 1623, or HIST 1923, or HIST 2613 or HIST 2623, or junior standing, or permission of instructor. An urban history course that examines disasters and conflicts as well as reconstruction across a broad spectrum of cities in Europe, Asia, Latin America, and the United States. (Irreg.)  |
| HIST    | 4113   | The Historical Novel                      | Prerequisite: HIST 1233 or HIST 1493 or HIST 1623 or HIST 1923 or junior standing or permission of instructor. This course will consider the history of the historical novel treating nationalism and identity from 1814 to the present. We will consider the historical novels' use of history and of psychology with the methods of intellectual history. (Irreg.) [IV-WC]   |
| HIST    | 4203   | Classical China                           | Prerequisite: 1723 or junior standing or permission of instructor. Examines the roots of Chinese civilization, from its pre-historical origins through its emergence as a formidable empire to its devolution during a lengthy period of civil war after the end of the Han dynasty. (Irreg.) [IV-NW]  |
| HIST    | 4213   | China's Art of War                        | Prerequisite: 1723 or junior standing or permission of instructor. The scope of this course will be both the theory and practice of warfare in China's pre-modern eras. Relating to the theory, there will be discussion of some of the most renowned texts on military strategy and the theoretical issues that are involved in strategizing about and preparing for war. Study of the cause and effect of various wars from the earliest periods of China's history to just before the beginning of the modern period. Examination of the materials of warfare and the contributions of various technological developments. (Irreg.) [IV-NW] |
| HIST    | 4313   | American Foreign Policy, 1900-45          | Prerequisite: HIST 1483 or HIST 1493 or junior standing or permission of instructor. Explores the globalization of American foreign relations, from the origins of late 19th century expansion to the diplomacy culminating in the creation of the United Nations at the end of World War II. (Irreg.)   |
| HIST    | 4343   | The Vietnam War                           | Prerequisites: 1483 or 1493 or junior standing or permission of instructor. This course explores the origins of the Vietnam War, how the United States waged the war, the impact of the war on American culture, and the meaning of the United States defeat in Vietnam. (Irreg.) [IV-WC]  |
| HIST    | 4353   | Origins of American Foreign Policy        | Prerequisite: HIST 1483 or HIST 1493, or junior standing, or permission of instructor. Examines American diplomacy from 1775 to 1848. (Irreg.) [IV-WC]   |
| HIST    | 4363   | The United States Constitution, 1776-1804 | Prerequisite: HIST 1483 or HIST 1493, or junior standing, or permission of instructor. Examination of the creation of state constitutions in the American Revolution, the writing and ratification of the United States Constitution, and key constitutional developments to the passage of 12th Amendment (1804). (Irreg.) [IV-WC]  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| HIST    | 4393   | American Working Class                          | Prerequisite: HIST 1483 or HIST 1493 or junior standing or permission of instructor. This course examines the working- and lower-class experience in America from the colonial period to the present. Topics include: social banditry and piracy, slavery, rise of the factory, scientific management, women and work, 19th and 20th century labor movement, radicalism, prostitution, and working-class masculinity. (Irreg.) [IV-WC]                              |
| HIST    | 4403   | Mussolini, Fascism, & America                   | Prerequisite: HIST 1483 or HIST 1493, or junior standing, or permission of instructor. Explores the nature of fascism & Mussolini's rule from 1922 until his death in 1945, including the cult of Il Duce, fascist architecture and the fascist aesthetic in general, fascism and youth, fascism and conquest, and the American response to Italian fascism in the 1920s and 1930s. (Irreg.) [IV-WC]  |
| HIST    | 4413   | Italy, America, and World War II                | Prerequisite: HIST 1483 or HIST 1493 or junior standing or permission of instructor. Examines fascist ideology and war, Mussolini's expansionism in Ethiopia and Spain, Italy's disastrous partnership with Germany, and the fate of Italy during the war, including the Allied invasion, Italy's changing sides, and the tragic civil war that engulfed Italy between 1943-1945. (Irreg.) [IV-WC]  |
| HIST    | 4453   | American Military History 1860-Present          | Prerequisite: HIST 1483 or HIST 1493, junior standing, or permission of instructor. Explores United States military history from the Civil War through the modern age. With a special emphasis on politics, culture, and rapidly changing technology, this class focuses on the evolution of the American way of war as well as the transformative nature of war on the nation. (Irreg.)  |
| HIST    | 4463   | History of West Africa                          | Prerequisite: 2713 or junior standing or permission of instructor. Addresses the economic, social, political, and cultural strategies west Africans employed to meet the challenges presented by life in their unusual part of the world from 20,000 BCE to the present. Topics include lineage, commerce, attitudes toward powers, traditional understandings of history, Islam, slavery, colonialism, and independence. (Irreg.) [IV-NW]                          |
| HIST    | 4493   | Africa and the Atlantic Slave Trade             | Prerequisite: HIST 2713 or junior standing or permission of instructor. About the changing nature of slavery in and the impact of slave trading on Africans in their homelands and in the diaspora. Origins in Africa; rise of the Atlantic trade; impact of the trade; middle passage, etc. (Irreg.) [IV-NWC]  |
| HIST    | 4503   | Brazil, 1500-2000                               | Prerequisite: 2613 or 2623 or junior standing or permission of instructor. Surveys the history of Brazil from contact to 2000. Touches on the pre-Columbian period, but focuses on the social, cultural, economic and political transformation of the region under Portuguese and Brazilian rule. (Irreg.) [IV-WC]  |
| HIST    | 4513   | Intellectuals & Artists in Modern Latin America | (Crosslisted with IAS 4513) Prerequisite: 2613 or 2623 or junior standing or permission of instructor. Examines both the history of ideas in modern Latin America as well as the history of intellectuals as a social group. We will consider intellectuals in the process of independence and the consolidation of nation states, the role of "race" in Latin American thought, and the relationship between European and Latin American thought. (Irreg.) [IV-WC] |
| HIST    | 4523   | Latin American Left                             | (Crosslisted with IAS 4523) Prerequisite: 2613 or 2623 or junior standing or permission of instructor. This course examines the shifting political tactics and theoretical positions of a variety of leftist movements in Latin America since the early 20th century. We will examine leftist thought on the nature of Latin American development, approaches to commercial culture, and labor organizing, among other topics. (Irreg.) [IV-WC]                     |
| HIST    | 4533   | Populism in 20th-Century South America          | (Crosslisted with IAS 4533) Prerequisite: 2613 or 2623 or junior standing or permission of instructor. This course examines the phenomenon of Latin American "populism," a set of political movements that held a central place in 20th-century Latin American history. We will focus on three cases as they relate to the broader economic and social processes in the region as a whole: Brazil; Argentina; and Chile. (Irreg.) [IV-WC]                           |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| HIST    | 4543   | Latin America in the Age of the Cuban Revolution | (Crosslisted with IAS 4543) Prerequisite: 2613 or 2623 or junior standing or permission of instructor. This course is an in-depth examination of Latin American history of the period 1955-1973. We cover changes in politics, economics, literature, film, music, and theology in what many Latin Americans called the "revolutionary process" of the period. (Irreg.) [IV-WC]   |
| HIST    | 4553   | Environmental History of Latin America           | Prerequisite: 2613 or 2623 or junior standing or permission of instructor. This course will serve as a broad-based study of the environmental history of Latin America. We will examine the history of human interactions with the natural world in this region from pre-Colombian and colonial eras through contemporary times. Heavy emphasis will be placed on comparing native life-ways with the changes wrought by European colonization and the results on the land and natural resources. (Irreg.) [IV-WC]  |
| HIST    | 4603   | Genesis Through Jewish Eyes                      | Prerequisite: junior standing or permission of instructor. Through a close reading of Genesis and its Jewish interpreters, this class takes one mode of reading to ask: How a minority tradition understands key passages, terms & theologies. How deducing the Bible's message depends on one's own pre-suppositions. How another tradition can enhance one's own reading of Scripture. (Irreg.)   |
| HIST    | 4613   | Old Testament: An Introduction                   | Prerequisite: junior standing or permission of instructor. Introduces students to the Old Testament/Hebrew Bible, specifically the historical background of the Ancient Near East; the key concepts, institutions and theologies of the Hebrew Bible; and the Hebrew Bible's various literary genres (law, narrative history, wisdom and poetry). Through analyzing large sections of the Hebrew Bible, students will gain familiarity with the historical, social and religious developments that drove the most influential literature created by the Ancient Near East. (Irreg.) |
| HIST    | 4950   | History Internship                               | 1 to 3 hours. Prerequisite: History majors and junior standing, or permission of instructor. Allows history majors to receive credit for qualifying internships appropriate to the subject. Students who complete the course engage in service learning that focuses on historical content. (F, Sp, Su)   |
| HIST    | 4960   | Directed Readings                                | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| HIST    | 4970   | Special Topics/Seminar                           | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| HIST    | 4973   | Undergraduate Seminar in History                 | Prerequisite: History majors may enroll only after completing 75 credit hours of undergraduate coursework, 24 hours of which must be history. Non-majors may enroll with permission of instructor. May be repeated with change of content; maximum credit nine hours. Extensive research in historical sources and literature relating to a special problem or topic selected by the instructor. Emphasis will be on the individual preparation of research papers. (F, Sp, Su) [V]   |
| HIST    | 4990   | Independent Study                                | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| HIST    | 5001   | Navigating The History Profession                | Prerequisite: graduate standing or permission of instructor. Introduction to the various fields of historical inquiry, resources for historical research, and how to navigate the history profession - conferences, grants, the job market --and the OU graduate programs, M.A. and Ph.D. (F)   |
| HIST    | 5050   | Directed Readings in History                     | Prerequisite: graduate standing. Graduate-level independent study for master's candidates only. (Irreg.)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| HIST    | 5110   | Independent Studies in European History       | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 15 hours. Independent study, arranged between the professor and student, in the history of Europe. (F, Sp, Su)   |
| HIST    | 5210   | Independent Studies in American History       | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 15 hours. Independent study, arranged between the professor and student, in the history of America. (F, Sp, Su)  |
| HIST    | 5300   | Directed Readings in Medieval History         | 1 to 5 hours. Prerequisite: graduate standing, a reading knowledge of either French or German, and permission of instructor. May be repeated with change of content and permission; maximum credit 12 hours. A supervised program of readings in a selected special problem in medieval history. (F)  |
| HIST    | 5310   | Independent Studies in Latin American History | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 15 hours. Independent study, arranged between the professor and student, in the history of Latin America. (F, Sp, Su)  |
| HIST    | 5320   | Research in Medieval History                  | 1 to 5 hours. Prerequisite: graduate standing, reading knowledge of Latin, and permission of instructor. May be repeated with change of content; maximum credit 12 hours. A supervised program of research in the sources for medieval history, preparatory to research for the master's thesis in medieval history. (F, Su)  |
| HIST    | 5410   | Independent Studies in African History        | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 15 hours. Independent study, arranged between the professor and student, in the history of Africa. (F, Sp, Su)   |
| HIST    | 5510   | Independent Studies in Asian History          | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 15 hours. Independent study, arranged between the professor and student, in the history of Asia. (F, Sp)   |
| HIST    | 5960   | Directed Readings                             | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| HIST    | 5970   | Special Topics                                | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| HIST    | 5980   | Research for Master's Thesis                  | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| HIST    | 5990   | Independent Study                             | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| HIST    | 5999   | Graduate Level Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| HIST    | 6050   | Research Problems                             | 2 to 5 hours. Prerequisite: 12 hours of history and permission. May be repeated with change of content; maximum credit 15 hours. An individual course of intensive research with the area and problem to be determined by the student and directing instructor. (F, Sp, Su)   |
| HIST    | 6160   | Advanced Readings in European History         | 1 to 4 hours. Prerequisite: permission of instructor; student must be at Ph.D. level. May be repeated with change of content; maximum credit 15 hours. Independent study in the history of Europe; designed to give students the opportunity to do intensive readings in his/her major fields of study under direct guidance of his/her advisory committee. (F, Sp, Su) |
| HIST    | 6200   | Seminar in European History                   | 2 to 4 hours. Prerequisite: graduate standing with permission. May be repeated with change of content; maximum credit 12 hours. Training in historical research, bibliography and historiography, featuring reports and criticism. (F, Sp)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| HIST    | 6230   | Advanced Directed Readings in Medieval History | 1 to 5 hours. Prerequisite: master's degree or equivalent in history, reading knowledge of French and German and permission of instructor. May be repeated with change of content and permission; maximum credit 18 hours. A supervised program of readings on a selected special problem in medieval history. (F)  |
| HIST    | 6240   | Advanced Research in Medieval History          | 1 to 5 hours. Prerequisite: master's degree in history, or its equivalent, reading knowledge of Latin, German and French, and permission of instructor. May be repeated with change of content; maximum credit 18 hours. A supervised program of research in the sources of medieval history, preparatory to the research for the doctoral dissertation in medieval history. (F)  |
| HIST    | 6260   | Advanced Readings in American History          | 1 to 4 hours. Prerequisite: permission of instructor; student must be at Ph.D. level. May be repeated with change of content; maximum credit 15 hours. Independent study in American history; designed to give students the opportunity to do intensive readings in his/her major fields of study under direct guidance of his/her advisory committee. (F, Sp)  |
| HIST    | 6300   | Seminar in Latin American History              | Prerequisite: graduate standing and permission. May be repeated with change of content; maximum credit nine hours. Training in historical research, bibliography and historiography. Features reports and criticism. (Irreg.)   |
| HIST    | 6360   | Advanced Readings in Latin American History    | 1 to 4 hours. Prerequisite: permission of instructor; student must be at Ph.D. level. May be repeated with change of content; maximum credit 15 hours. Independent study in Latin American history; designed to give students the opportunity to do intensive readings in his/her major fields of study under direct guidance of his/her advisory committee. (F, Sp)  |
| HIST    | 6400   | Seminar in American History                    | 1 to 4 hours. Prerequisite: graduate standing with permission. May be repeated with change of content. Training in historical research, bibliography and historiography. Features reports and criticism. (F, Sp)  |
| HIST    | 6460   | Advanced Readings in African History           | 1 to 4 hours. Prerequisite: permission of instructor; student must be at Ph.D. level. May be repeated with change of content; maximum credit 15 hours. Independent study in African history; designed to give students the opportunity to do intensive readings in his/her major fields of study under direct guidance of his/her advisory committee. (F, Sp)   |
| HIST    | 6560   | Advanced Readings in Asian History             | 1 to 4 hours. Prerequisite: permission of instructor; student must be at Ph.D. level. May be repeated with change of content; maximum credit 15 hours. Independent study in Asian history; designed to give students the opportunity to do intensive readings in his/her major fields of study under direct guidance of his/her advisory committee. (F, Sp, Su)   |
| HIST    | 6600   | Seminar in Middle Eastern History              | 1 to 4 hours. Prerequisite: graduate standing with permission. May be repeated with change of content; maximum credit 12 hours. Training in historical research, bibliography and historiography. Features reports and criticism. (Irreg.)  |
| HIST    | 6700   | Seminar in Transnational History               | 1 to 4 hours. Prerequisite: graduate standing. May be repeated with change of content; maximum credit nine hours. The course aims to engage the histories and legacies of nationalism, colonialism, and other transnational historical phenomena. Particular emphasis will be given to discussing national, transnational, and colonial systems and how those systems shaped identities, race, ethnicities, national and transnational dynamics, and created transnational subjectivities. (Irreg.) |
| HIST    | 6800   | Seminar in Modern Japanese History             | 1 to 4 hours. Prerequisite: graduate standing with permission. May be repeated with change of content; maximum credit 12 hours. Training in historical research, bibliography, and historiography. Features reports and criticism. (Irreg.)   |
| HIST    | 6960   | Directed Readings                              | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| HIST    | 6970   | Special Topics                                 | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| HIST    | 6980   | Research for Doctoral Dissertation             | 2 to 16 hours. (F, Sp, Su)  |



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| Subject | Number | Title                                   | Course Description   |
|---------|--------|---|--|
| HIST    | 6990   | Independent Study                       | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| HON     | 1999   | Lower Division Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| HON     | 2511   | Community Citizen                       | Prerequisite: Admission/eligible to the Honors Program (3.40 GPA). May be repeated once. Students will provide volunteer service at a community agency (hospitals, united way agencies, art museum, etc.) as approved by the course instructor. Students will be asked to discuss their experiences in class, write about the experience, and to participate in peer-revision sessions. Students will be expected to complete a minimum of 30 hours of volunteer service in a semester. (F, Sp)  |
| HON     | 2963   | Perspectives on the Global Experience   | Prerequisite: admission to Honors program. May be repeated once with change in course topic. Explores the relationship between economic and cultural processes associated with globalization and sub-Saharan Africa. In order to better understand the nature of globalization and its implications for inequality and day-to-day life, we examine case studies dealing with topics like the marketing of soap in colonial southern Africa, conflicts over the extraction of oil in Nigeria, and undocumented West African migrants living in New York City. (F, Sp, Su) |
| HON     | 2970   | Honors Seminar                          | 1 to 3 hours. Prerequisite: admission to Honors College Curriculum. May be repeated; maximum credit six hours. (F, Sp)   |
| HON     | 2973   | Perspectives on the American Experience | Prerequisite: permission of Honors College. May be repeated; maximum credit six hours. An interdisciplinary investigation of the social, economic, and political realities of American life and culture from the late nineteenth century to the present. Topics to be treated include immigration, the rise of mass production and consumer culture, the Great Migration, the Cold War, 1960s social movements, and current "culture wars." (Sp) [IV-WC]   |
| HON     | 3440   | Mentored Research Experience            | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| HON     | 3513   | Biotechnology                           | Prerequisite: Zoology 1114 or Microbiology 3813 or Botany 1114 and permission of Honors College. Survey of the most active areas in the field including recombinant DNA technology, protein engineering, large-scale cultivation of microorganisms, commercial exploitation of microorganisms, mammalian cells in culture and their application in vaccine production and monoclonal antibody production, gene therapy, and genetic engineering in plants. (F)   |
| HON     | 3960   | Honors Reading                          | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor. The content will emphasize work not presented in other courses. (F, Sp, Su)   |
| HON     | 3970   | Honors Seminar                          | 1 to 3 hours. Prerequisite: member of Honors College Curriculum in good standing. May be repeated; maximum credit six hours. An upper-division Honors College course to be used by departments and by the Honors College. (F, Sp, Su)  |
| HON     | 3980   | Honors Research                         | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of content; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project under the guidance of a professor in the student's field. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| HON     | 3990   | Independent Study   | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| HON     | 3993   | Honors Colloquium   | Prerequisite: admission to and good standing in Honors College Curriculum. May be repeated with change in course topic. An interdepartmental course involving two or more instructors from different departments. (Sp)  |
| HON     | 3999   | Upper Division Transfer Credit                              | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| HON     | 5999   | Graduate Level Transfer Credit                              | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| HPCD    | 1999   | Lower Division Transfer Credit                              | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| HPCD    | 2000   | Freshman and/or Sophomore Secondary Harpsichord             | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| HPCD    | 2020   | Harpsichord for Music Majors: Freshman/Sophomore            | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 8 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)   |
| HPCD    | 3440   | Mentored Research Experience                                | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| HPCD    | 3999   | Upper Division Transfer Credit                              | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| HPCD    | 4000   | Junior and/or Senior Secondary Harpsichord                  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| HPCD    | 4020   | Harpsichord for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: Majors only; junior standing. May be repeated; maximum credit 14 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| HPCD    | 5000   | Master's-Level Secondary Harpsichord                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| HPCD    | 5010   | Master's-Level Harpsichord for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| HPCD    | 5020   | Master's-Level Harpsichord for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| HPCD    | 5999   | Graduate Level Transfer Credit                              | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| HPCD    | 6000   | Doctoral Secondary Harpsichord                        | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| HPCD    | 6010   | Doctoral Harpsichord for Non-Performance Music Majors | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| HPCD    | 6020   | Doctoral Harpsichord for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| HPER    | 1021   | Beginning Judo  | Consists of skill training in the sport of judo and the associated cognitive acquisition of terminology, contest rules and customs. Skills portion will deal with falling techniques, throws, holddowns, chokes and armbars. Cognitive portion will deal with the training aspects of judo (chiai, randori, kata and uchi komi), basic terminology and contest rules. (F, Sp) |
| HPER    | 1281   | Rhythmic Aerobics                                     | Understanding of exercise elements within a healthy lifestyle, and development of physical fitness through rhythmic activities. Activities include warm-up, workout and cool-down as important elements in personal exercise programming.   |
| HPER    | 1821   | Track and Field                                       | To teach a basic understanding of the games of Track and Field; skills and analysis of the skills, nature and rules of the games and strategies in order to successfully make application in teaching and coaching situations. Perform the basic skills of Track and Field and perform these skills in a game situation (within the rules of the sport).                      |
| HPER    | 1861   | Tumbling and Gymnastics                               | To teach a basic understanding of Tumbling and Gymnastics; skills and analysis of skills, nature and rules of the sport and strategies in order to successfully make application in teaching and coaching situations. Perform basic skills.   |
| HPER    | 1881   | Beginning Swimming                                    | To teach a basic understanding of beginning swimming; the skills and analysis of skills, the nature and rules of the sport and strategies in order to successfully make application in teaching and coaching situations. Perform basic Skills.  |
| HPER    | 1921   | Basketball  | To teach a basic understanding of the game of basketball; skills and analysis of skills, nature and rules of the game and strategies in order to successfully make application in teaching and coaching situations. Perform the basic skills of basketball and perform in a game situation.   |
| HPER    | 1941   | Soccer  | To teach a basic understanding of the game of soccer; skills and analysis of skills, nature and rules of the game, and strategies in game situations in order to successfully make application in teaching and coaching situations. To perform the basic skills and perform in a game situation. (F, Sp)  |
| HPER    | 1961   | Softball  | To teach a basic understanding of the game of softball; skills and analysis of skills, nature and rules of the game, and strategies in order to successfully make application in teaching and coaching situations. Perform basic skills and perform in a game situation.  |
| HPER    | 1981   | Volleyball  | Basic understanding of game of volleyball; skills and analysis of skills, nature and rules of the game and strategies in order to successfully make application in teaching and coaching situations. Perform basic skills and perform in a game situation.  |
| HPER    | 3533   | Aids and Its Impact on American Society               | Prerequisite: Zoology 1114 and 3 hours of social science; or permission of instructor. Provide a current overview of the medical and epidemiological aspects of aids and HIV spectrum disorders. Also focus on psychosocial, educational, legal and ethical issues which have evolved in this country as a result of our response to AIDS and HIV.                            |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| HPER    | 4543   | Comprehensive Stress Management  | Prerequisite: Psychology 1113, Zoology 1114, or equivalent. Helps students gain an awareness of stress and its effects, practice management techniques to reduce personal stress, and implement those techniques in their daily lives as well as the lives of others (school, community, corporation, etc.). Topics include: psychophysiology of stress, stress and disease, nutrition, personal planning and time management, cognitive restructuring, relaxation, and biofeedback. (Irreg.) |
| HPER    | 4833   | Physiology of Exercise Laboratory  | Prerequisite: Zoology 3104 or 3133 and industrial engineering 4823, or permission. Laboratory experiments emphasizing the understanding of fundamental physiological mechanisms, regulating responses, and adaptation to exercise. Basic analytical methodologies pertaining to the energy, muscular and cardiorespiratory systems. Includes factors affecting physiological performance capacities and experimental basis of exercise assessment and training.                               |
| HPER    | 5513   | Health Promotion Programming   | Prerequisite: 2913 and an additional three hours of health education/promotion, or permission of instructor. Health problems; appropriate learning activities planned and demonstrated with emphasis upon good health practices. Focus on multi-setting health promotion programming, e.g., individual, community, corporate, school. No student may earn credit for both 4513 and 5513.  |
| HSCI    | 1113   | Science, Nature and Society: Historical Perspectives                       | An introduction to the study of science, technology, and medicine in light of historical, philosophical, and cultural analysis. Focusing on the relationships between science, nature, and society, this class introduces some of the big questions about who we are, who we have been, and who we might become. (Irreg.) [IV-WC]   |
| HSCI    | 1999   | Lower Division Transfer Credit   | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| HSCI    | 2133   | Science and Popular Culture  | Draws on interdisciplinary perspectives to examine the interplay between science and popular culture from the Scientific Revolution to the present. Topics include representations of science, scientists, and nature in popular literature, television, films, and documentaries; the development of zoos and science museums; children and science, and science journalism. (Sp) [IV-WC]  |
| HSCI    | 2213   | The Darwinian Revolution   | The "Darwinian Revolution" was a revolution in culture as well as biology. We consider the history of the social, political, and theological issues associated with the development of evolutionary thought from the early nineteenth century to the present. (Irreg.) [IV-WC]  |
| HSCI    | 2223   | Lives in Science: History of Science through Biography                     | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission of instructor. Explores the history of science, medicine, and technology from a more personal perspective, looking at the lives of scientists, engineers, and physicians, both real and fictional. Course materials include novels and films as well as biographies. (Irreg.) [IV-WC]   |
| HSCI    | 2423   | Social and Ethical Issues in Science, Technology, Environment and Medicine | An introduction to a range of social and ethical issues in the history of science, technology, environment and medicine. Including the social, political and ethical implications of technology and scientific knowledge, and the role they play in shaping our environment and our selves. (Irreg.) [IV-WC]  |
| HSCI    | 2453   | God and Nature in the Pre-scientific World                                 | Explores the changing and multifaceted relationship between science and religion throughout the history of western culture up to the eighteenth century. Discusses collaborations as well as conflicts between Christianity and scientific investigation. (Irreg.) [IV-WC]  |
| HSCI    | 2970   | Special Topics/Seminar   | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)  |
| HSCI    | 3013   | History of Science to the Age of Newton                                    | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission of instructor. A survey of Western people's efforts to understand the natural world, from earliest historical times to the seventeenth century. (F, Sp, Su) [IV-WC]   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| HSCI    | 3023   | History of Science Since the Seventeenth Century  | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission of instructor. A survey of the historical and intellectual development of modern science. (F, Sp, Su) [IV-WC]  |
| HSCI    | 3223   | Gender Issues in Science, Technology and Medicine   | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission of instructor. Historical analysis of gender issues in science, technology and medicine, and in comparison with current practices. Topics will include questions in scientific method, particularly the concept of "objectivity," bio-social theories of gender; gender issues in scientific inquiry, in the development of and engagement with technologies, and in medical thought and practice; media images; and feminist science fiction. (Irreg.) [IV-WC]  |
| HSCI    | 3243   | Women and Medicine  | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission of instructor. Surveys the relationship between women and medicine in the modern period (roughly between 1750 and the present). Examines the interrelated histories of women as medical practitioners, patients and objects of medical knowledge. Also includes discussion on how women experienced illness in the past and the expectations and norms that shaped their illness experiences. Finally, a look at medical knowledge about women and how ideas about gender have been constructed by the medical professions. (Sp) [IV-WC] |
| HSCI    | 3253   | Race and Science  | Prerequisite: junior standing or completion of one History of Science course or permission of instructor. Examines the rise and fall of scientific conceptions of race from 1800 to the present, paying particular attention to its connections to 19th Century evolutionary theory, eugenics, the modern evolutionary synthesis, and recent genetics and genomics. Also looks at the role of cultural values associated with race in science more broadly. Course materials include films and novels as well as nonfiction. (F, Sp) [IV-WC]   |
| HSCI    | 3263   | History of Public Health  | Prerequisite: junior standing or permission of instructor or completion of one History of Science lower-division course. Taking an historical perspective students explore and analyze the social, economic, political and scientific events and processes that have shaped modern public health. (F)[IV-WC]   |
| HSCI    | 3273   | Of Acupuncture, Medicine Men & Ayurveda: Indigenous & Non-Western Medicine in Perspective | Prerequisite: junior standing or permission of instructor or completion of one History of Science lower-division course. Introduces histories of practices and systems of medicine and healing that are variously deemed 'indigenous,' 'traditional,' 'non-western,' 'alternative' and 'complementary' in historical context. Students critique the historical and cultural meaning of these terms, as well as their attendant conceptions of health, disease and the body. (F) [IV-NW]  |
| HSCI    | 3283   | Introduction to Disability Studies  | Prerequisite: junior standing or permission of instructor or completion of one lower-division History of Science course. Students engage text, audio and video sources to examine the social and cultural experience of disability in different times and cultures to critically assess how culture (mis)represents disability and corporeal difference. (F)[IV-WC]  |
| HSCI    | 3313   | Science and Technology in Asian History   | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission of instructor. Examines science and technology in east, south, and southeast Asia from 1000 A.D. to the present. We examine the influence and interaction of knowledge traditions (especially Chinese, south Asian and Islamic), how they circulate around and beyond Asia, and interactions with European knowledge traditions, culminating in examinations of political and ethical dimensions of science and technology in contemporary Asia. (Irreg.) [IV-NW]  |
| HSCI    | 3333   | Technology and Society in World History   | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission of instructor. A survey of the history of technology since 1500. Emphasizes historical contexts and cultural meanings, not technical details, as it explores the key steps in the construction of our modern technological world. Materials include literature and film as well as non-fiction. (Sp) [IV-WC]   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| HSCI    | 3353   | Science and Empire                                  | Prerequisite: junior standing or one previous HSCI course or permission of instructor. Examines the contested history of science and empire from both western and non-western perspectives, learning about colonial and post-colonial encounters in science, both imagined and lived. Materials include travelers' tales, explorers' accounts, fiction, and films as well as nonfiction. (Sp) [IV-WC]  |
| HSCI    | 3413   | Biomedical Ethics                                   | Prerequisite: Junior standing, or completion of one History of Science lower-division course, or permission of instructor. Introduces key concepts in biomedical ethics. Topics may include: the doctor/patient relationship; medical research on humans and animals; reproductive rights and technologies; medical decisions at the end of life; and the allocation of scarce resources. (Irreg.) [IV-WC]   |
| HSCI    | 3423   | Modern Medicine - A Historical Introduction         | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission of instructor. Examines the history of modern medicine in Europe and America. Aims to connect medical ideas and practices to the broader social and cultural contexts in which they were developed. (Irreg.) [IV-WC]   |
| HSCI    | 3440   | Mentored Research Experience                        | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| HSCI    | 3443   | Science in a Religious World                        | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission of instructor. An overview of major events in the intersection of science and religion from the Middle Ages to the present. A detailed look at the historical record and exploration of the background of the people involved, the social and political context, and the reasons why certain issues mattered so much. (Sp)   |
| HSCI    | 3453   | Science and Civilization in Islam                   | Prerequisite: junior standing or permission. History of scientific traditions and ideas in Islamic civilization, from the origins of Islam to the early modern period. Emphasis is on the derivation, development and transmission of Islamic science, as well as on the assimilation and influence of science within Islamic culture. (Sp) [IV-NW]  |
| HSCI    | 3463   | Cold War Science                                    | Prerequisite: junior standing or permission. Science and technology during the Cold War, including strategic weapons and SDI, medical experiments, the space race, science in popular culture, and science and foreign policy. (Irreg.) [IV-WC]  |
| HSCI    | 3473   | History of Ecology and Environmentalism             | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission of instructor. Explores the historical development of ecology as a science and as a political stance, from the eighteenth through the twentieth century. Topics may include: climate change, population control, deforestation, globalization, resource management, and environmental ethics. (Irreg.) [IV-WC]   |
| HSCI    | 3483   | Technology, Politics, and International Development | Prerequisite: Junior standing, or completion of one History of Science lower-division course, or permission of instructor. Explores the interactions between politics and technology that have informed efforts to produce "developed" industrial societies around the world. Examines the emergence of development thinking and practice in Japan and the colonized world, international development and the technopolitics of decolonization, and contemporary issues in technology and development. (Irreg.) [IV-NW]        |
| HSCI    | 3493   | The History of Media                                | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission of instructor. An introduction to the history of informational technologies and communications media from the printing press to the internet. Topics will include the print revolution, the advent of electronic communications, the growth of broadcast media, the development of the digital computer, and the internet boom. Course materials include novels and films as well as non-fiction. (Irreg.) [IV-WC] |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| HSCI    | 3533   | Science and Global Politics in the Modern Era: Cross-Cultural Perspectives | Prerequisite: Junior standing. Focuses on interactions between professional scientists, corporate entities, advocacy groups, NGOs, the public, and the state, with case studies drawn from different national contexts in order to make cross-cultural comparisons. Students will develop an international perspective on this topic by focusing on both western and non-western national contexts. Topics may include such issues as public health; biotechnology; bioprospecting; organ trafficking; the information revolution; clinical trials for drug-testing; expert testimony; climate change; weapons development; mass transit; and science and engineering education. (Irreg.) [IV-WC] |
| HSCI    | 3550   | Topics in the History of Science   | 1 to 3 hours. Prerequisite: junior standing or permission of instructor. May be repeated with change in content; maximum credit six hours. Topics of special interest in the history of science. (Irreg.)   |
| HSCI    | 3813   | Science in the Ancient World   | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission. An examination of science in antiquity. Topics include the origins of ancient science, the transmission and interaction of various scientific traditions, the relation between science and philosophy, the development of a concept of science, and the place of science within the cultures of the period. (Irreg.) [IV-WC]   |
| HSCI    | 3823   | Science in Medieval Culture  | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission. A survey of the historical development of medieval scientific, mathematical, medical, and philosophical thought. (Irreg.) [IV-WC]  |
| HSCI    | 3833   | The Scientific Revolution  | Prerequisite: junior standing, or completion of one History of Science lower-division course, or permission of instructor. Explores the history of the "scientific revolution" of the sixteenth and seventeenth centuries. Study includes understanding debates not just about what happened in the past but about how we today define science and how we understand the place of science in the modern world. (Irreg.) [IV-WC]   |
| HSCI    | 3960   | Honors Reading   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor. The topics will cover materials not usually presented in regular coursework. (F, Sp, Su)   |
| HSCI    | 3980   | Honors Research  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project. (Irreg.)  |
| HSCI    | 3990   | Independent Study  | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| HSCI    | 3993   | Junior Seminar   | Prerequisite: 9 hours of history of science classes or permission of instructor; if repeating course, permission of undergraduate academic adviser. May be repeated with change of content; maximum credit 6 hours. Offers students the chance to work on an extended research topic in the history of science, technology, environment and medicine. The themed seminar format will allow for small group discussion and close supervision of student projects. Students will be introduced to the methods and tools of advanced research. Seminar themes will vary. (Sp)  |
| HSCI    | 3999   | Upper Division Transfer Credit   | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| HSCI    | 4613   | Issues and Methods in the Digital Humanities                               | (Slashlisted with 5613) Prerequisite: junior standing or one previous HSCI course or permission of instructor. Through interdisciplinary exploration students read, discuss, hack, and reflect with experts in the areas of history and history of science, information studies, geography, literature, classics, computer science, media studies, anthropology, political science, communication, and more. Students will not only become more literate in interpreting digital culture but in applying the technologies of the digital world, acquiring new competencies and insights in the process. No student may earn credit for both 4613 and 5613. (Irreg.)                               |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| HSCI    | 4623   | Practicum/Internship in the Digital Humanities                  | (Slashlisted with 5623) Prerequisite: junior standing or one previous HSCI course or permission of instructor. May be repeated; maximum credit 9 hours. A practical, project-based internship, focused on the design and development of a project in the digital humanities under the close supervision of a faculty member. No student may earn credit for both 4623 and 5623. (F, Sp)  |
| HSCI    | 4960   | Directed Readings   | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| HSCI    | 4970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| HSCI    | 4990   | Independent Study   | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| HSCI    | 4993   | Capstone in History of Science, Technology, and Medicine        | Prerequisite: junior standing and permission of instructor. This course fulfills the capstone requirement for a major in the history of science, technology and medicine. The goal of this seminar-format course is to provide students with the opportunity to further develop their skills in research, writing, and critical analysis with respect to the historical study of science. The course provides the opportunity for in-depth individualized research within the framework of shared study. (F) [V]   |
| HSCI    | 5513   | Advanced Studies in the History of Ancient and Medieval Science | Prerequisite: 3013 or equivalent, or permission of instructor. May be repeated with change of content; maximum credit 12 hours. Thematic historical analyses of ancient and/or medieval foundations of science, focusing on the development of particular disciplines or scientific institutions, the relationship between science and religion, or transmission of science. Includes examination of sources and critical assessment of scholarly interpretations. (Irreg.)  |
| HSCI    | 5523   | Adv. Stds. In The History Of Renaissance & Early Modern Sci.    | Advanced Studies In The History Of Renaissance And Early Modern Science. Prerequisite: 3013 Or 3023, Or Equivalent; Or Permission Of Instructor. May Be Repeated With Change Of Content; Maximum Credit 12 Hours. Thematic Historical Analyses Of Scientific Ideas And Practices In The Scientific Revolution And The Enlightenment, 16th-18th Centuries. Includes Examination Of Sources And Critical Assessment Of Scholarly Interpretations. (Irreg.)   |
| HSCI    | 5533   | Advanced Studies In The History Of Modern Science               | Advanced Studies In The History Of Modern Science. Prerequisite: 3023, Or Equivalent Or Permission Of Instructor. May Be Repeated With Change Of Content; Maximum Credit 12 Hours. Thematic Historical Analyses Of Modern Science And Culture Focusing On The European And American Development And Professionalization Of Scientific Disciplines, Interdisciplinary Relationships Among The Sciences, And Intersections Between Scientific And Public Culture. Includes Examination Of Sources And Critical Assessment Of Scholarly Interpretations. (Irreg.) |
| HSCI    | 5550   | Topics In The History Of Science                                | Topics In The History Of Science. 1 To 3 Hours. Prerequisite: Graduate Standing Or Permission Of Instructor. May Be Repeated With Change Of Content; Maximum Credit Twelve Hours. Topics Of Scholarly Interest In The History Of Science.  |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| HSCI    | 5601   | Digital Humanities Online Colloquium                 | Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit two hours. An online professional development seminar for graduate students doing advanced work in digital humanities through coursework, internships, and research projects. Students will read and discuss relevant literature, debate issues in digital humanities, critique digital humanities projects, conduct chat sessions and asynchronous discussions with experts, and develop portfolios that demonstrate their skills, expertise, and project work. (F, Sp) |
| HSCI    | 5613   | Issues and Methods in the Digital Humanities         | (Slashlisted with 4613) Prerequisite: graduate standing or permission of instructor. Provides a graduate-level introduction to the central issues, methods, and tools in the emerging field of the digital humanities. Digital humanities is an interdisciplinary set of methods, concepts, values, and practices that enable scholars to create and apply new technologies to answer social, cultural, and historical questions. No student may earn credit for both 4613 and 5613. (Irreg.)   |
| HSCI    | 5623   | Practicum/Internship in the Digital Humanities       | (Slashlisted with 4623) Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 9 hours. A practical, project-based internship, focused on the design and development of a project in the digital humanities under the close supervision of a faculty member. No student may earn credit for both 4623 and 5623. (F, Sp)   |
| HSCI    | 5960   | Directed Readings in the History of Science          | 1 to 4 hours. Prerequisite: graduate standing and permission of instructor. May be repeated with change of content; maximum credit six hours toward M.A. degree, 12 hours toward Ph.D. degree. Intensive readings in a selected area of the history of science, under the direction of a graduate faculty member. (F, Sp, Su)   |
| HSCI    | 5970   | Seminar: Research, Criticism and Analysis            | 2 to 3 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 15 hours. Fundamentals of investigation and exposition in the history of science. (F, Sp)  |
| HSCI    | 5980   | Research for Master's Thesis                         | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| HSCI    | 5990   | Special Studies                                      | 3 to 5 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit nine hours. Specialized studies in the history of science. Individual research culminating in the preparation of a research paper. (F, Sp, Su)   |
| HSCI    | 5999   | Graduate Level Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| HSCI    | 6960   | Directed Readings                                    | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| HSCI    | 6980   | Research for Doctoral Dissertation                   | 2 to 16 hours. (F, Sp, Su)  |
| HSCI    | 6990   | Independent Study                                    | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| I D     | 1112   | Cultures of Collaborating, Creating and Constructing | Prerequisite: Interior Design major. Co-requisites: ID 1151 and ID 1153. Introduction to the foundations of the various planning, design, and construction disciplines. Focus on the collaborative process for creating and constructing the built environment. Histories of expertise areas such as planning, architecture, landscape architecture, interior design, construction science, engineering, and graphic environmental design will be explored and related to how these have evolved to their contemporary conditions. (F)                                |
| I D     | 1151   | Graphics I   | Prerequisite: Interior Design major. Co-requisite: ID 1112 and ID 1153. Individual projects at an introductory level focused on the fundamentals of drawing and sketching through observation, incorporating theory, concepts/terminology and problem-solving techniques. Apply concepts and terminology both visually and verbally and demonstrate a comprehensive integration of social, cultural, theoretical, and environmental influences as it applies to graphic techniques. (F)   |

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| Subject | Number | Title                                    | Course Description   |
|---------|--------|--|--|
| I D     | 1153   | Design I                                 | Prerequisite: Interior Design major. Co-requisites: ID 1151 and ID 1112. Individual and/or team projects at an introductory level focused on the fundamentals of design, incorporating theory, concepts/terminology and problem-solving techniques. Apply concepts and terminology both visually and verbally and demonstrate a comprehensive integration of social, cultural, theoretical, and environmental influences as it applies to design. (F)  |
| I D     | 1154   | Design and Graphics Studio I             | Prerequisite: for majors only. Individual and/or team projects at an introductory level focused on the comprehensive integration of social, cultural, theoretical, environmental, and technical influences. Application of professional techniques of representation and communication required. (F)   |
| I D     | 1251   | Design II                                | Prerequisite: Completion of ID 1112, ID 1151, ID 1153 with a "C" or better and Interior Design major. Co-requisite ID 1253. Introduction to the basic principles and fundamental concepts for design professionals. Topics include cultural, social, theoretical and behavioral factors and their implications for planning and designing the built environment. Application of professional techniques of representation and communication are required. (Sp)   |
| I D     | 1253   | Graphics II                              | Prerequisite: successful completion of ID 1112, ID 1151, ID 1153 with a "C" or better and Interior Design major. Co-requisite: ID 1251. Emphasis on visual communications, technical and freehand drawing, through perspective construction. Introduction to drafting tools, and techniques, equipment, and architectural graphics used to communicate design ideas. Individual and/or team projects at an introductory level focused on the fundamentals of presentation drawings incorporating theory, concepts/terminology and problem-solving techniques. Application of concepts and terminology both visually and verbally. (Sp) |
| I D     | 1999   | Lower Division Transfer Credit           | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| I D     | 2532   | Graphics III                             | Prerequisite: I D 1251 and I D 1253 with a grade of C or higher. Issues of form and space, natural light, climate, and site to include theory and methods of measured perspective; shade and shadow; applied graphics to produce drawings present in the various design phases. (F)  |
| I D     | 2533   | Design III                               | Prerequisite: I D 1251 and I D 1253. Issues of form and space, natural light, climate, and site. An introduction to issues of building design focused on landscape, interiors, and the building; the exploration of design elements and principles with an understanding of space planning strategies, interior architectural components, design programming, and design development. (F)  |
| I D     | 2535   | Design and Graphics III                  | Prerequisite: 1254 with a grade of C or better. Emphasis on issues of form and space, natural light, climate, and site. An introduction to issues of building design focused on landscape, interiors, and the building. Additional topics include theory, and methods of measured perspective; shade and shadow; and an introduction to computer graphics. Studio/Laboratory (F)   |
| I D     | 2543   | Design and Human Factors                 | Prerequisite: I D 2532 and I D 2533 with grade of C or better. Study of human needs and activities as design determinants; lectures and individual projects. Emphasis on the design implications of spatial relationships, scale and function. Additional emphasis on the relationship between architecture and interior design. (Sp)  |
| I D     | 2763   | Computer Applications in Interior Design | Prerequisite: ID 1251 and ID 1253, Interior Design major or permission. Co-requisites: ID 2532 and ID 2533. Use of computer-aided design and its role in interior design professional practice. Applications to demonstrate design process and problem-solving solutions in two- and three-dimensional representation and modeling. (F, Su)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| I D     | 2773   | Interior Construction                        | Prerequisite: I D 2532 and I D 2533 with a grade of C or better. Introduction to the building and finish materials used in the design of non-loadbearing interior construction. Intended to develop an accurate and efficient expression of selection and detailing of materials and assemblies in construction drawings. Additional topics include mechanical and electrical systems, building codes, and planning standards. Field trips required. Studio/Laboratory (Sp)   |
| I D     | 2793   | Furniture Design                             | Prerequisite: I D 2532 and I D 2533; Corequisite: I D 2543 and I D 2773. The design and construction of furniture. Emphasis on ergonomics, design, and construction processes, working drawings, materials and methods for custom and manufactured furniture and casework. Other topics include the application of design elements and principles in furniture design. Project evolve from hand drawings to scaled models of furniture to full-scale furniture. (Sp)  |
| I D     | 3223   | Advanced Computer Applications               | Prerequisite: Permission of the instructor. Computer graphics, three-dimensional computer modeling, animation, rendering and programming to provide representation strategies for interior design problem-solving and presentation. (Sp, Su)  |
| I D     | 3440   | Mentored Research Experience                 | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| I D     | 3724   | Interior Design II: Lighting Design          | Prerequisite: 2544, 2773 with a grade of "C" or better, or permission of the instructor. Introduction to lighting design of interiors. Studio/lecture presentations; focus on design principles in lighting, lighting quality, lighting quantification codes, and energy conservation. Emphasis is on integration of lighting with interior spaces, techniques in lighting design, fixture design, and exploration of computer visualization. Studio/Laboratory (F)   |
| I D     | 3773   | Furniture Design                             | Prerequisite: 2544, 2773 and 2783, or permission of instructor. The design and construction of furniture. Emphasis on ergonomics, design, and construction processes, working drawings, materials and methods for custom and manufactured furniture and casework. Other topics include the application of two- and three-dimensional design elements and principles in furniture design. Projects evolve from hand and CAD drawings to scaled models of furniture to full-scale furniture. Course requires material purchase and field trips. Studio/Laboratory (F) |
| I D     | 3960   | Honors Reading                               | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will consist of topics in keeping with student's major program. Topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| I D     | 3970   | Honors Seminar                               | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Content deals with concepts not usually presented in regular coursework. (Irreg.)   |
| I D     | 3980   | Honors Research                              | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for work on special projects under the guidance of a faculty member. (F, Sp, Su)  |
| I D     | 3990   | Independent Study                            | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| I D     | 3999   | Upper Division Transfer Credit               | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| I D     | 4463   | Interior Design Office Professional Practice | Prerequisite: I D 3793 or permission of instructor; Corequisite: I D 3733. Study of the professional practice of interior design: office practice, business procedures and professional ethics. Contract practice, design project management, and project completion are important emphases of coursework. (Sp)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| I D     | 4712   | Interior Design Portfolio I                            | Prerequisite: I D 4463 or permission of instructor. Introduction to various means of preparing a professional portfolio. Assessment of personal strengths and goals to inform decisions will be a focus. An emphasis on design, organization and delivery methods to exhibit personal design achievements will assist students in the transition to the professional arena or graduate school. (F)   |
| I D     | 4713   | Commercial Design                                      | (Slashlisted with 5713) Prerequisite: ID 3723 with a grade of C or better. Introduction to planning processes and the application of design principles to commercial design projects. Space planning process, design philosophy, specifications and oral presentations will be expected on each project. Students may not earn credit for both 4713 and 5713. (Sp)   |
| I D     | 4722   | Interior Design Portfolio II                           | Prerequisite: I D 4712 or permission of instructor. A continuance of I D 4712, Portfolio I. Preparation and presentation of portfolio in a professional setting to be assessed by industry professionals and educators. A continuation of assessment of personal strengths and goals to inform decisions will be a focus. Emphasis on design, organization and delivery methods to exhibit personal design achievements will assist students in the transition to the professional arena or graduate school. (Sp)                |
| I D     | 4723   | Lighting Design  | (Slashlisted with 5723) Prerequisite: ID 2543 and ID 2773 with a grade of C or better or permission of instructor. Introduction to lighting design of interiors. Studio/lecture presentations; focus on design principles in lighting, lighting quality, lighting quantification codes, and energy conservation. Emphasis is on integration of lighting with interior spaces, techniques in lighting design, fixture design, and exploration of computer visualization. Students may not earn credit for both 4723 and 5723. (F) |
| I D     | 4743   | Institutional and Corporate Design                     | Prerequisite: I D 3733 and I D 3793, or permission of instructor. Design projects develop conceptual and critical thinking in design of institutional and corporate interiors. Lighting, interior systems, construction detailing and scheduling integrated into design projects. (F)  |
| I D     | 4744   | Interior Design IV: Institutional and Corporate Design | Prerequisite: 2783, 3734, or permission of instructor. Design projects develop conceptual and critical thinking in design of institutional and corporate interiors. Lighting, interior systems, construction detailing and scheduling integrated into design projects. Studio/Laboratory (F)   |
| I D     | 4753   | History of Interior Design                             | (Slashlisted with 5753) Prerequisite: ARCH 2243. Historical survey of architectural interiors and of the decorative arts. Cultural and socioeconomic factors which influenced interior spaces and furnishings will be an emphasis in addition to readings, lectures and discussion about the art, composition and aesthetic theories that give value to historical interiors. Students may not earn credit for both 4753 and 5753. (Sp) [IV-WC]  |
| I D     | 4772   | Interior Design Capstone (Pre-Design)                  | Prerequisite: I D 3733 or permission of instructor. This is the first phase of the Capstone studio. Project research is the focus of the course. Students work with interior design practitioners using real projects with FF&E from current markets. Emphasis on building codes and regulations, site considerations, and building feasibility as it pertains to the capstone project. Collaboration at all levels is encouraged. (F) [V]   |
| I D     | 4774   | Interior Design Capstone (Design Phase)                | Prerequisite: I D 4743 and I D 4772, or permission of instructor. This is the second phase of the Capstone studio with projects that are specific design situations. Students continue working with interior design practitioners as they develop their projects. Emphasis on professional design experiences and a comprehensive overview of the major. Collaboration at all levels is encouraged. (Sp)   |
| I D     | 4793   | Interior Materials and Specifications                  | (Slashlisted with 5793) Prerequisite: ID 2543, ID 2773, ID 2793 with a grade of C or better or permission of the instructor. Study of the basic characteristics and installation of materials and finishes used in the design of interiors, building codes, fire safety, and regulations for accessibility. Emphasis on writing specifications for FF&E and non-loadbearing construction. Students may not earn credit for both 4793 and 5793. (F)   |
| I D     | 4940   | Field Work   | 1 to 3 hours. Prerequisite: permission of instructor. Field study related to the student's major in a position approved by the instructor. One hour credit per 120 hours of field work or equivalent. Documentation and evaluation is required. (F, Sp, Su)  |

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|---------|--------|---|---|
| I D     | 4960   | Directed Readings                                 | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| I D     | 4970   | General Departmental Seminar                      | 1 to 6 hours. Prerequisite: junior standing or permission of instructor. May be repeated with change in content; maximum credit twelve hours. Special topics in interior design. (F, Sp, Su)  |
| I D     | 4990   | Independent Study                                 | 1 to 3 hours. Prerequisite: permission of instructor and director. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in scheduled courses. Study may include research and/or field projects. (F, Sp, Su)  |
| I D     | 5123   | Environment and Human Behavior                    | Prerequisite: Graduate standing in College of Architecture or permission of instructor. Introduces students to environmental psychology for design and illustrates situations that a designer will likely encounter while pursuing a design career. Sharpens analytical and deductive skills. Students will analyze situations and draw upon past knowledge and particular circumstances to deduce an outcome. (F)  |
| I D     | 5133   | Research Methods                                  | Prerequisite: Graduate standing in College of Architecture or permission of instructor. Introduction to research methods with emphasis on the built environment. Topics will include interpretive-historical research, qualitative research, co-relational research, logical argumentation and case study/mixed methods. (Sp)   |
| I D     | 5143   | Design Theory Analysis and Evaluation             | Prerequisite: Graduate standing in College of Architecture or permission of instructor. Examines the ways in which designers and theorists express and conceptualize interiors. Readings from significant works detailing the history of interior design and its role in the future. Through discussion, research papers and independent analysis, students are expected to develop skills in analyzing and conceptualizing interior design principles. (F) |
| I D     | 5153   | Practice and Leadership in a Global Design Market | Prerequisite: Graduate standing in College of Architecture or permission of instructor. Exploring ethical dimensions of work within and related to the settings of interior design. Students will look in detail at the dilemmas that occur within professional practice. These are comprised of theories that encourage and inform thinking about moral issues and frameworks that guide ethical decision making. (Sp)                                     |
| I D     | 5163   | Design Computation Visualization and Analysis     | Prerequisite: Graduate standing in College of Architecture or permission of instructor. Focus is on the software used to introduce basic functions of (Building Information Modeling) BIM. Topics concentrate on techniques and methods for creating building parts, the production of construction documents, and renderings. Tools are also introduced for material and construction analysis as well as costing and scheduling data. (F)                 |
| I D     | 5213   | Design Process Document Management                | Prerequisite: Graduate standing in College of Architecture or permission of instructor. Focus on the use and management of documents necessary for completion of a design project. Content specific topics include principles, procedures, requirements, and processes for drawings, specifications, schedules, and other contract documents that are used throughout the design process. (Sp)  |
| I D     | 5223   | Advanced Materials and Methods                    | Prerequisite: Graduate standing in College of Architecture or permission of instructor. The study and use of building materials specified during the design and construction process. Coursework will emphasize the analysis of current practices and applications involving material types and construction methods. (F)   |
| I D     | 5243   | Budget Management and Costing                     | Prerequisite: Graduate standing in College of Architecture or permission of instructor. An examination of the financial factors considered throughout the design process. Emphasis includes cost analysis and budgetary constraints that must be implemented for final design and construction. (F)   |
| I D     | 5313   | Sustainable Living and Design Principles Concepts | Prerequisite: Graduate standing in College of Architecture or permission of instructor. The theories and practices for designing interior environments that fulfill and balance environmental, economic and social needs without compromising the well-being of current and future generations. (Sp)  |

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|---------|--------|---|--|
| I D     | 5323   | Sustainable Products & Building Design Principles | Prerequisite: Graduate standing in College of Architecture or permission of instructor. Topics focus on the in-depth analysis of sustainable interior materials including their properties, performance, manufacturing process, output management and lifecycle. Coursework will also concentrate on techniques and processes for sustainable construction methods. (F)  |
| I D     | 5343   | Indoor Environmental Quality                      | Prerequisite: Graduate standing in College of Architecture or permission of instructor. Course focuses on the examination of the factors that contribute to indoor environmental quality and the design practices and techniques for improving indoor environmental quality. Specific topics include daylight, views, acoustic control, lighting, thermal comfort and air quality. (F)   |
| I D     | 5413   | Indoor Controls and Technology                    | Prerequisite: Graduate standing in College of Architecture or permission of instructor. The technology of luminaries and control systems, including solid systems, dimming control and other building management systems, are introduced, analyzed, and applied to one design of space. Students will be taught how to design and coordinate lighting control for energy effectiveness, flexibility of space, and increase occupant satisfaction. (Sp)   |
| I D     | 5423   | Fixture Design                                    | Prerequisite: graduate standing in College of Architecture or permission of instructor. Design theory, process and lighting technologies applied to a light fixture design. Emphasis will be on aesthetics, energy efficiency and sustainability. The student will design and build a full scale fixture. (F)  |
| I D     | 5443   | Lighting Design Computation and Visualization     | Prerequisite: Graduate standing in College of Architecture or permission of instructor. Focus is on computation and visualization techniques for representation, simulation, and quantification of lighting in the built environment. (F)  |
| I D     | 5526   | Graduate Studio I                                 | Prerequisite: Permission of Graduate Liaison. Introduction to fundamental design and visual communication skills through the use of material, formal, and spatial properties of design. Graphic techniques will be employed through a range of phases, from communicating initial design proposals to detailed drawings that can fully convey information necessary for construction. (Su)   |
| I D     | 5533   | Graduate Studio II                                | Prerequisite: I D 5526 Graduate Studio I or permission of Graduate Liaison. Building design focused on interiors, with an emphasis on issues of function, form, space, light, materials, color, texture, and ergonomics are developed. Developing projects in coordination with other architecture, engineering, and construction science disciplines is stressed, especially acoustic control, lighting considerations, and coordination with mechanical systems. (F)                                   |
| I D     | 5543   | Graduate Studio III                               | Prerequisite: I D 5533 Graduate Studio II or permission of Graduate Liaison. Study of human needs and activities as interior design determinants through lectures and individual projects. Emphasis on the design implications of spatial relationships, scale and function, construction detailing, furniture, fixture and equipment specification with consideration of human needs and differences and Barrier Free design. (Sp)  |
| I D     | 5713   | Commercial Design                                 | (Slashlisted with 4713) Prerequisite: Graduate standing and permission of Graduate Liaison. Introduction to planning processes and the application of design principles to commercial design projects. Space planning process, design philosophy, specifications and oral presentations will be expected on each project. Students may not earn credit for both 4713 and 5713. (Sp)  |
| I D     | 5723   | Lighting Design                                   | (Slashlisted with 4723) Prerequisite: Graduate standing or permission of Graduate Liaison. Introduction to lighting design of interiors. Studio/lecture presentations; focus on design principles in lighting, lighting quality, lighting quantification codes, and energy conservation. Emphasis is on integration of lighting with interior spaces, techniques in lighting design, fixture design, and exploration of computer visualization. Students may not earn credit for both 4723 and 5723. (F) |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| I D     | 5753   | History of Interior Design                    | (Slashlisted with 4753) Prerequisite: Graduate standing and permission of Graduate Liaison. Historical survey of architectural interiors and of the decorative arts. Cultural and socioeconomic factors which influenced interior spaces and furnishings will be an emphasis in addition to readings, lectures and discussion about the art, composition and aesthetic theories that give value to historical interiors. Students may not earn credit for both 4753 and 5753. (Sp) |
| I D     | 5763   | Graduate Interior Design Computer Application | Prerequisite: Graduate standing and permission of Graduate Liaison. Use of computer-aided design (AutoCAD Architecture, SketchUp, Photoshop and InDesign) and its role in interior design professional practice. Applications to demonstrate design process and problem-solving solutions in two- and three-dimensional representation and modeling. Analysis of the applications of computer-aided design in the interior design industry. (F)                                    |
| I D     | 5773   | Graduate Interior Construction                | Prerequisite: Graduate standing and permission of Graduate Liaison. Introduction to the construction materials and methods, building and finish materials used in the design of non-loadbearing interior construction. Intended to develop an accurate and efficient expression of selection and detailing of materials and assemblies in construction drawings. Additional topics include mechanical and electrical systems, building codes, and planning standards. (Sp)         |
| I D     | 5793   | Interior Materials and Specifications         | (Slashlisted with 4793) Prerequisite: Graduate standing and permission of Graduate Liaison. Study of the basic characteristics and installation of materials and finishes used in the design of interiors, building codes, fire safety, and regulations for accessibility. Emphasis on writing specifications for FF&E and non-loadbearing construction. Students may not earn credit for both 4793 and 5793. (F)  |
| I D     | 5940   | Field Work                                    | Prerequisite: Graduate standing in College of Architecture or permission of instructor. Field study related to the student's interest in architectural lighting approved by graduate liaison. One credit hour per 120 hours of fieldwork or equivalent. Documentation and evaluation required. (F, Sp, Su)   |
| I D     | 5950   | Masters of Science in Interior Design Project | 2 to 6 hours. Prerequisite: Permission of director/graduate coordinator. May be repeated with change of content; maximum credit six hours. Professional project of significant scale and complexity in the student's area of concentration. (F, Sp)  |
| I D     | 5960   | Directed Readings                             | 1 to 4 hours. Prerequisite: graduate standing; permission of instructor, adviser and dean. May be repeated; maximum credit six hours. (F, Sp)  |
| I D     | 5970   | Special Topics/Seminar                        | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| I D     | 5980   | Research for Master's Thesis                  | 2 to 6 hours. Prerequisite: Permission of director/graduate coordinator. Variable enrollment, two to six hours; maximum credit applicable toward degree, 6 hours. (F, Sp)  |
| I D     | 5990   | Special Studies                               | 1 to 6 hours. Prerequisite: permission of instructor, adviser and dean. The opportunity is provided for students with above-average grades to do individual library or laboratory work on special problems not included in present courses. (F, Sp)  |
| I D     | 5999   | Graduate Level Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| IAS     | 1203   | Philosophy and Human Destiny, East and West   | (Crosslisted with PHIL 1203) An inquiry into values bearing upon human destiny or fulfillment with special attention to values inspired by religion in both western and eastern traditions. (Irreg.) [IV-WC]   |
| IAS     | 1223   | Introduction to Asian Philosophy              | (Crosslisted with PHIL 1223) Survey of the major figures and schools of philosophy in Asia. Includes study of Hinduism, Buddhism, Confucianism, and Daoism. (Irreg.) [IV-NW]   |
| IAS     | 1303   | Introduction to Latin American Studies        | Examines the history and culture of Latin American societies from a multi-disciplinary standpoint. Surveys major current issues in Latin American politics and international relations. Sources include films and readings from the disciplines of history, literature, political science, journalism, and anthropology. (Sp) [IV-WC]  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| IAS     | 1999   | Lower Division Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| IAS     | 2003   | Understanding the Global Community               | The world today is an interdependent global community that requires an awareness of international politics and economics. This course seeks to enhance our understanding of the global community because of the impact of international relations on our lives and the lives of others around the world. (F, Sp) [III-SS]   |
| IAS     | 2101   | What is Asia?                                    | The Asian continent is home to a vast array of social, political, cultural, ecological, and geographic diversity. This course will discuss similarities and differences across such an expansive and differentiated space as well as how the various regions of Asia interact with one another. (Irreg.)  |
| IAS     | 2113   | Perspectives on South Asian Society              | Prerequisite: ENGL 1213 or concurrent enrollment. An introduction to South Asia, investigating the core theme of culture and society in South Asia using an interdisciplinary approach. Examines the challenge of cultural pluralism in South Asia by looking at how society is structured and identities are formed; explores social structures such as family, gender, caste and class, social change, and provides students with frameworks to better understand South Asian identities and worldviews. Other topics include popular culture in South Asia such as visual art, music, dance, film and literature. (Irreg.) [IV-NW] |
| IAS     | 2123   | China Today                                      | China has the largest population in the world, the largest standing army, and a GDP of over \$7 trillion. The long-term economic development of every country depends on China, and China's rapid modernization is changing the face of global politics and culture. In this course, students will be exposed to the diversity and complexity of modern China. They will think creatively about the problems and opportunities facing China today; they will examine China from multidisciplinary perspectives; and they will learn to develop critical and analytical arguments. (F, Sp)   |
| IAS     | 2413   | Islam  | Survey of Islamic history and theology in the Near East, North Africa, and Asia from the advent of the prophet to the modern period. (Irreg.) [IV-NW]   |
| IAS     | 2603   | Governments Around the World                     | (Crosslisted with P SC 2603) Prerequisite: Political Science 1113. Gateway course in political science and international and area studies. Provides an introduction to the varieties of politics and governmental systems around the world. Students will develop skills in comparative analysis to understand why countries have distinct types of government. (F) [IV-WC]   |
| IAS     | 2970   | Special Topics/Seminar                           | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)  |
| IAS     | 3000   | Special Topics in International and Area Studies | Prerequisite: junior standing or permission of instructor. May be repeated with change of content; maximum credit 12 hours. Special topics are courses of variable credit that examine international or global issues. (Irreg.)   |
| IAS     | 3003   | Topics in International and Area Studies         | Prerequisite: junior standing. May be repeated with change of content; maximum credit 15 hours. A maximum of 12 hours may be applied to the major. An examination of several selected topics in international and area studies. (Irreg.)  |
| IAS     | 3013   | International Law                                | Prerequisite: junior standing or permission of instructor. Examines international law. Broad issues include the different sources of international law, the relationship between international law and states, individuals and other international actors, the content of international law as it pertains to different issues areas, and how these bodies of law generally affect international relations. (Irreg.) [IV-WC]  |
| IAS     | 3023   | Genocide   | Prerequisite: junior standing or permission of instructor. Addresses the historical, legal, and political facets of the concept of genocide. Acquaints the student with the problem of large-scale killings in human history, the political developments that culminated in the genocides convention of 1948, the international-legal nuances of genocide, and recent instances of genocide. Special emphasis in this course is placed on the United States' response to genocide. (Irreg.) [IV-WC]   |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| IAS     | 3033   | International Human Rights                       | Prerequisite: junior standing or permission of instructor. Examines the increasingly complex body of substantive law and political practices related to the protection and promotion of human rights and fundamental freedoms in international law and politics. Explores major international and regional systems of enforcement, and the growing role of human rights in domestic politics and international relations. (Irreg.)  |
| IAS     | 3043   | Global Security                                  | Prerequisite: junior standing or permission of instructor. Examines some of the major security challenges confronting the United States and the international community in the 21st century, and how these challenges differ from our expectations of conflict -- major, minor, inter-state, and intra-state -- in recent decades. (Irreg.) [IV-WC]   |
| IAS     | 3053   | Globalization: The Politics of Global Governance | Prerequisite: junior standing or permission of instructor. Introduces students to the actors, institutions and processes by which international cooperation and coordination are created and maintained. The first part introduces students to key concepts, puts global governance into historical context, and provides a brief introduction to International Relations theories that will serve as analytical foundations. The second part of the course explores several major themes in the study of global governance: power, authority and legitimacy; institutions; intentionality and design; centralization versus subsidiarity; and the appropriate roles for both public and private actors. The third part of the course applies theoretical and thematic knowledge to specific areas of global governance including humanitarian intervention, Internet governance, the global economy, the environment, public health and poverty/inequality. (Irreg.) [IV-WC] |
| IAS     | 3063   | Politics of Developing Countries                 | Prerequisite: junior standing or permission of instructor. Analyzes political development, political institutions and political culture in low and middle income countries, with a particular emphasis on democratization and regime change. (Irreg.) [IV-WC]   |
| IAS     | 3073   | Global Economic Relations                        | Prerequisite: junior standing or permission of instructor and Economics 1113 or Economics 1123. Examines relations among states from the perspective of economic competition and cooperation. Explores political conflicts that have risen over trade, capital flows, and other international economic exchanges. The primary focus is on the role of states and international organizations in shaping the global economy. (Irreg.) [III-SS]   |
| IAS     | 3083   | International Activism                           | Prerequisite: junior standing or permission of instructor. Examines the role that nongovernmental actors play in international relations as they work independently and in concert to advocate for various transnational causes. Specifically, explores the concept of transnational advocacy and the ways in which individual and group activists affect change around the world. (Irreg.) [IV-WC]   |
| IAS     | 3103   | Activism, Art & Leadership                       | Prerequisite: Departmental permission. This course is taught on-site in Arezzo, Italy, and is for President's Leadership Class students only. This course examines the leadership role that governmental actors and individual activists play in international relations and various other sectors as they work independently and collectively to advocate for certain local, regional, national and transnational causes. Specifically, the class explores the concept of international advocacy and the ways in which individual and group activists frame and promote issues of concern in an effort to affect change around the world. The goal of this course is to raise our awareness about and enhance our understanding of the multitude of actors - from individual political leaders, to nongovernmental organizations, to artists - that work to address issues of concern. (Irreg.)  |
| IAS     | 3143   | Chinese Politics                                 | Prerequisite: junior standing or permission of instructor. Provides a comprehensive introduction to Chinese politics. Examines China's revolutionary heritage, state-market-society relations in China today, and explores China's new nationalism and prospects for democratization. (Irreg.) [IV-NW]  |
| IAS     | 3153   | Chinese Foreign Policy                           | Prerequisite: junior standing or permission of instructor. Provides a comprehensive introduction to Chinese foreign policy. Examines several key issues and concepts, including China's external relations prior to "Liberation" in 1949, international relations theory, the history of the PRC's foreign relations, and vital foreign policy issues confronting China in the 21st century. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| IAS     | 3173   | Rural Life in Modern China                                       | Prerequisite: junior standing or permission of instructor. Examines changes over the 20th century in economics, politics, work patterns, social structure, culture and gender norms, and family life in China's hinterland. It also explores key rural issues causing instability in China today including corruption, pollution, health care, education, family and gender dynamics, rural-urban relations, and internal migration. (Irreg.)   |
| IAS     | 3193   | Environment and Disease Crises in China                          | Prerequisite: junior standing or permission of instructor. Explores the intertwined relationship of environment, agriculture, economic development, pollution, disease, patriotism, domestic security, and international conflict in China and how it deals with environmental issues and disease crises -- two key problems within the country. Of particular concern are China's devastating water shortage that threatens to leave much of northern China without water in the next twenty years, major epidemics such as SARS and AIDS, and China's aging, rural population lacking health care. (Irreg.)   |
| IAS     | 3203   | The Middle East Since World War I                                | Prerequisite: Junior standing or permission of instructor. This course attempts to explain the roots of instability in the Middle East by following the rapid change over the last 100 years that has transformed sprawling Islamic empires into nation states. This course will examine the major religions and ethnic groups of the region, as well as explore how the largest ethnic groups have decided to define their national identities: Arabs, Jews, Turks, Iranians and Kurds. Other topics will include the Arab-Israeli conflict and possibilities of peace, and the Gulf regions where Iran, Saudi Arabia and Iraq have fought for supremacy and control of oil and the Gulf. (Irreg.) |
| IAS     | 3213   | European Union, Nato, and European Security                      | Prerequisite: junior standing or permission of instructor. This course explores changes in security and foreign policy issues in eastern Europe. Specifically, it examines the enlargement of the European Union, expansion of NATO and the development of the European security and defense policy. (Irreg.)   |
| IAS     | 3223   | Modern Iran: Islam, Politics, and the State, 1500 to the Present | Prerequisite: junior standing or permission of instructor. Surveys the history of Iran from the 16th century to the present. Topics include the rise of the Safavid dynasty in the sixteenth century, the establishment of Shi'ism, reform in the nineteenth century, great power politics, Western cultural and intellectual influence, nationalism, the Islamic revolution of 1979, and Iran since the revolution. (Irreg.) [IV-NW]   |
| IAS     | 3233   | Nationalism and the Middle East                                  | Prerequisite: junior standing or permission of instructor. Survey of the history of the Middle East from 1800 to the present with an emphasis on the emergence of the nationalism as a new form of political identity in the region. Analyzes the origins of this form of politics in the region as a result of transformations rooted in the nineteenth century, its rise to dominance as a form of politics and ideology during the twentieth century, as well as countervailing trends that today challenge its continued dominance. (Irreg.) [IV-NW]  |
| IAS     | 3243   | Contemporary Europe  | Prerequisite: junior standing or permission of instructor. Assesses how expansion of the European Union has changed the way European governments handle public policy challenges, and examines how these changes have altered European cultures, economies, policies and societies. Focuses on themes such as the multi-cultural challenges of European immigration, how migration among European countries fosters a common European identity, how economic integration has created a common marketplace of goods, services and ideas, and what has happened to the Transatlantic relationships between Europe and the US. (Irreg.)  |
| IAS     | 3253   | Africa in the World Economy                                      | Prerequisite: Junior standing or permission of instructor. This course focuses on economic policies and outcomes in African countries with a special attention to how they affect the rest of the world. Discussions include Africa's contribution to the global economy, current economic opportunities and challenges as well as socio-economic situations in African countries and what the perspectives are for the future. (Irreg.)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| IAS     | 3263   | The Economic Lives of the Poor and Rural Development | Prerequisite: Junior standing or permission of instructor. The goal of this course is to understand the lives of the poor around the world and explore some of the potential solutions to addressing global poverty and rural development. Topics of discussion include the constraints that the poor face in their daily decision making process, how the poor organize their socio-economic lives, and why the poor are more likely to have more children. Different approaches to addressing poverty around the world will be examined. (Irreg.)  |
| IAS     | 3273   | The European Union                                   | Prerequisite: Junior standing or permission of instructor. Is EU an economic superpower? Can the EU reach the objective of rivaling the U.S. diplomatically shared by many political leaders in Europe? This course will help students understand contemporary debates about the nature of the European Union, its place in the world, and its current economic and political challenges. Topics of discussion includes the historical development of the EU, the institutions of the EU and how they function, the emergence of the single European market and the project of economic and monetary union that culminated in the introduction of the euro. The course also examines the global engagement of the EU, including EU-US relations; the role of the EU in the global economy; EU relations with China; the global diplomatic role of the EU; the relationships between the EU and its neighboring countries in the Balkans and Eastern Europe; and the EU as a provider of development and humanitarian aid. (Irreg.) |
| IAS     | 3283   | Culture, Power, and Global Environment               | Prerequisite: Junior standing or permission of instructor. Under the broad theme of human-environment interactions, this course has two main foci. First, it surveys some of the diverse ways in which human populations adapt to, understand, and transform their environments. Second, it explores how social and cultural differences within and among human populations complicate efforts to address the myriad environmental problems we face - from neighborhoods struggling with contaminated soil, to ecosystem restoration and wildlife management on a regional scale, to transnational climate-change mitigation efforts. Though readings and guiding principles will come primarily from the fields of environmental anthropology and political ecology, conversations and assignments will emphasize policy applications and will be open to perspectives from other disciplines. (Irreg.) [IV-NW]   |
| IAS     | 3293   | Women, Gender, and Family in Contemporary Europe     | Prerequisite: Junior standing or permission of instructor. Explores the ways in which some of the major events of the twentieth century have shaped the lives of women and families in Europe, and the ways in which both individual women and women's movements have shaped contemporary European history and policy today. Topics of discussion also include contemporary issues, such as family policy; reproductive rights; labor policy; gender and immigration; women's political representation, and sexual equality within the EU. (Irreg.)  |
| IAS     | 3303   | Mexican Economic Development                         | Prerequisite: Junior standing or permission of instructor. Is Mexico a failing narco-state or a fast growing, tiger economy? Or is the reality somewhere in between? After some tough times in the 1980s and 90s, Mexico has emerged as one of the economic leaders of the region. Where does it stand among other emerging markets and what are its prospects for the future? In this course we will study the modern Mexican economy, the unique elements of development in a one-party, authoritarian regime, the challenges the country faced in getting to this point, and some of the challenges that remain. (Irreg.)   |
| IAS     | 3313   | Latin American International Relations               | Prerequisite: junior standing or permission of instructor. Examines international relations of Latin America in an interdisciplinary fashion. International relations is broadly defined in this course, and includes economic and cultural aspects as well. (Irreg.) [IV-WC]  |
| IAS     | 3323   | The Political Economy of Development                 | Prerequisite: junior standing or permission of instructor. Examines the relationship between politics and economics in less developed countries. Reviews the history of economic theories of development and also examines the economic effects of inward looking trade policies and political stability in Latin America and India, as well as the political economy of recent reforms in both areas. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| IAS     | 3333   | North American Free Trade Agreement  | Prerequisite: junior standing or permission of instructor. Examines the North American Free Trade Agreement (NAFTA). After first exploring the nature of international law generally and the economic basis of free trade, it also reviews the history and legal framework of NAFTA. Other topics include NAFTA's main obligations, structure and its coverage with respect to trade in goods, services, investment and intellectual property, dispute settlement mechanisms and the impact of NAFTA on selected industries. (Irreg.)   |
| IAS     | 3343   | Chinese Philosophy   | (Crosslisted with PHIL 3343) Prerequisite: six hours of philosophy or junior standing. Survey and analysis of the major texts and schools of philosophy in China, from the ancient world to the contemporary era. (Irreg.) [IV-NW]  |
| IAS     | 3353   | Modern Brazil  | Prerequisite: junior standing or permission of instructor. Introduction to contemporary Brazilian history and culture. A broad overview of Brazil's colonial history and emergence as a modern nation, and an exploration of the country's incredible cultural and regional diversity, as well as some of the challenges it currently faces. Course material includes exploration of indigenous realities, the rural landless movement, poverty and crime, gender, family, race, contemporary religion, and popular culture-- samba, carnival, hip-hop and Brazilian funk music. (Irreg.)   |
| IAS     | 3363   | Comparative Philosophy   | (Crosslisted with PHIL 3363) Prerequisite: six hours of philosophy or junior standing. A study of topics of significant philosophical interest that includes study and analysis of both western and non-western philosophical sources. (Irreg.) [IV-WC]   |
| IAS     | 3383   | The United Nations & World Politics  | Prerequisite: Junior standing or permission of instructor. The focus of this course will be on understanding the roles played by the UN and related inter-governmental organizations in world politics pertaining to four broad issue areas: international peace and security, human rights and humanitarian affairs, the global environment, and global trade and development. (Irreg)[IV-WC].   |
| IAS     | 3393   | Iranian Society through Cinema   | Prerequisite: Junior standing or permission of instructor. This course attempts to understand Iranian society and culture through the lens of Iran's post-revolutionary cinema. In moving beyond stereotypical images presented by mass media, modern Iranian cinema provides a medium to study issues such as religion, gender, class, and politics of Iran today. (Irreg.) [IV-NW]  |
| IAS     | 3403   | US-Iranian Relations: History, Politics, and the Road to Confrontation       | Prerequisite: Junior standing or permission of instructor. Examines the history of US-Iranian relations from the earliest contact in the nineteenth century to the present. Issues to be examined include: the history American missionaries in Iran and their contribution to the history of Iranian education, the literary discovery of Persian literature by Americans, political and economic relations in the early twentieth century, the Cold War and the overthrow of Mohammad Mossadeq, the U.S. relationship with the Shah, the Islamic revolution and the hostage crisis of 1979-1981, and the recent political history of US relations with the Islamic Republic. Emphasis will be placed on the long-term evolution of this relationship from friendship and cooperation to political conflict and diplomatic impasse. (Irreg.) |
| IAS     | 3413   | Iran & Islam to 1800: History, Culture, and Society in the Pre-Modern Period | Prerequisite: Junior standing or permission of instructor. Surveys the role of Iran within Middle Eastern history, culture, and society from antiquity to the eve of the modern period. Topics include: Iranian empires in the ancient period, the history and religious thought of Zoroastrianism, the advent of Islam and the Arab conquest of Iran; the contribution of Iranian culture to the formation of Islamic thought; the emergence of a Persian literary tradition within Islamic culture; the emergence of the Turko-Persian Safavid state in the sixteenth century and the formation of a Shi'ite-Iranian culture; and the beginning of European influence at the end of the 18th century. (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| IAS     | 3433   | International Relations in the Middle East                    | Prerequisite: junior standing or permission of instructor. This course examines the major wars of the region beginning with the First World War and ending with the US invasion of Iraq. The course covers the Arab-Israeli conflict, the cold war, and the contest for control of the Persian gulf and oil markets. It also investigates the role of the great powers as well as the major Middle Eastern states in shaping international relations in the region over the past century. (Irreg.) [IV-NW]   |
| IAS     | 3440   | Mentored Research Experience                                  | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| IAS     | 3443   | Political Islam   | Prerequisite: junior standing or permission of instructor. Examines the Muslim brotherhood since its founding in 1928, its radicalization under Sayyid Qutb, and the many groups that look to it for inspiration. Covers Al-Qaida, Hizbullah, and Hamas, the tensions between Shiites and Sunnis, and how some Middle Eastern countries have dealt with the growth of radical Islamic groups. (Irreg.)   |
| IAS     | 3463   | Arab Culture and Society through Modern Fiction               | (Crosslisted with MLLL 3463) Prerequisite: junior standing. Introduces a broad range of themes and issues of modern Arabic culture and society, such as religion, family, gender, identity, emigration, colonialism, resistance, nationalism, freedom of expression, corruption, and war. (Irreg.)   |
| IAS     | 3473   | The Arab-Israeli Conflict                                     | Prerequisite: junior standing or permission of instructor. A survey of the history of the conflict around Eretz Israel/Palestine, with the aim of providing a better understanding of its roots and recent developments. The land which for Jews in ancestral Eretz Israel and for the Arabs is Palestine has been the center of one of the modern world's longest and most intricate disputes. The course also looks at both sides of the conflict at various moments throughout its history and will present two very different historical narratives: the Israeli/Jewish and the Palestinian/Arab. (Irreg.)   |
| IAS     | 3493   | Iran Since 1979: Politics and Society in the Islamic Republic | Prerequisite: junior standing or permission of instructor. An examination of Iranian politics and society since the 1979 revolution. An examination of the revolutionary upheaval of 1978-79, the ideological character of the Islamic revolution, the eight years of war with Iraq, economic and social changes, recent cultural, intellectual, and artistic developments, the Green Movement and the disputed presidential election of 2009, and contemporary prospects for Iranian democracy. Not intended as an introduction to Iranian or Middle Eastern history or politics; some previous Middle Eastern Studies coursework is recommended. (Irreg.)  |
| IAS     | 3503   | The United States and the Middle East: 1945-Present           | Prerequisite: junior standing or permission of instructor. This course is an introduction to the historical and contemporary relationship between the United States and the Middle East from the nineteenth century until the present, with a concentration on the period since 1945. The course will focus on the political and economic aspects of US-Middle East relations but will also consider the cultural and social dimensions of this interaction. At the end of the course students should have a basic historical knowledge of some of the major events in the Middle East over the last sixty years and how they have impacted US foreign policy. Topics include the domestic politics of the Middle East; wars, social movements, and revolution in the Middle East; Oil and US foreign policy; the US relationship with Iran from the 1950s to the present; Afghanistan (1979-present); Iraq (1989-present); reasons behind the 9/11 attack; definitions of terrorism; terrorist networks; and US national security. (Irreg.) |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| IAS     | 3513   | Twentieth Century India                      | Prerequisite: junior standing or permission of instructor. How India moved from being a part of the British Empire to an independent country, a country most observers consider to be vital to the next century. How India defined itself as a nation and how its citizens defined their role in India, specifically subjects like nationalism and colonialism, gender and sexuality, caste and class, and religious conflicts to understand India's complex imagination of itself. (Irreg.)[IV-NWC]  |
| IAS     | 3523   | Women and Gender in South Asia               | Prerequisite: junior standing or permission of instructor. Considers the way women and gender have been thought, from the 19th century articulation of "The Women's Question" and Women's Reform to the present day rethinking of state based rights strategies and normative gender constructions in the Indian Subcontinent. Scholarly articles, primary sources, fiction, and film interrogate questions about women's place in society, women and the state, gendering work, and women's lives in South Asia. (Irreg.)  |
| IAS     | 3543   | Colonialism in the Modern World              | Prerequisite: junior standing or permission of instructor. Explores the ways that colonial domination affected colonized countries during colonial rule, as well as its lingering effects. Focus is on the mechanisms of colonial knowledge, domination, rationalizations, and effects; reactions to colonialism by colonial subjects during the fight for independence and after; as well as the ways that the world has attempted to come to terms with a colonial past. (Irreg.)   |
| IAS     | 3553   | Violence and Culture in the Developing World | Prerequisite: junior standing or permission of instructor. Examines the cultural practice of violence in the 'developing world' from an anthropological perspective. Begins with a discussion of warfare and aggression on the part of colonial powers and the modern state, and subsequently covers the 'everyday violence' of inequality and poverty, as well as individual and collective acts of physical violence, and the ways in which violence is 'witnessed' and memorialized in different cultural contexts. (Irreg.)   |
| IAS     | 3563   | International Politics of South Asia         | Prerequisite: junior standing or permission of instructor. Examines the historical and geopolitical context for understanding South Asia's international relations followed by a focus on the international setting of the Cold War and its aftermath. Also, explores contemporary issues impacting international politics in South Asia such as nuclear proliferation, religious extremism, the politics of energy and natural resources, globalization and economic reform. (Irreg.)[IV-NW]   |
| IAS     | 3573   | Religious Conflict in Asia                   | Prerequisite: junior standing or permission of instructor. Examines some of the major religions in Asia including Hinduism, Buddhism, Islam, Confucianism, Daoism, and folk religions. Also explores how these religions disseminated and transformed as they traveled across Asia and how they acted as a force for political change. The course concludes with the examination of a number of current case studies of ethno-religious discord including conflicts in China, Burma, India, and Bangladesh. While the focus is on religion, also discussed is how religion is often exploited as a marker for disputes stemming from ethnic, economic, political, strategic, and nationalist causes. (Irreg.) [IV-NW] |
| IAS     | 3583   | Managing US-China Relations                  | Prerequisite: Junior standing or permission of instructor. Provides a comprehensive and systematic assessment of a critical but complex, challenging bilateral relationship between a rising power aiming to return to its historical prestige and a currently dominant power searching to augment its over-stretched power resources. It begins with an in-depth examination of the historical context of how the two countries have engaged with each other at the global, regional, and bilateral levels primarily since the founding of the People's Republic of China in 1949. (Irreg.)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| IAS     | 3593   | Introduction to Southeast Asia                | Prerequisite: Junior standing or permission of instructor. This course will offer an introductory survey of Southeast Asia. Students will develop a foundational understanding of the region's peoples, their histories, and some of the issues they face today. Students will also reflect on how the region has interacted with the West economically, politically, and culturally. The first unit will offer a brief historical survey, with discussions of precolonial societies, colonial empires, World War II, decolonization, and the Vietnam War. Attention will then turn to a series of contemporary issues, from the experiences of migrants from Southeast Asia, to the challenges of regional integration and democratization, to environmental politics, to cinema. (Irreg.) |
| IAS     | 3603   | Energy, Environment & Climate Change in China | Prerequisite: Junior standing or permission of instructor. Examines how China confronts the challenges of energy security, environmental pollution, and climate change. It explores not only how the country addresses each of the three challenges individually, but also identifies areas where policy coordination can be enhanced so as to promote a holistic approach to three interconnected challenges simultaneously. (Irreg.) [IV-NW]  |
| IAS     | 3613   | International Politics, Literature & Film     | Prerequisite: junior standing or permission of instructor. Examines two forms of international political commentary, literature and film, in an effort to heighten awareness of specific international issues. Also explores how these issues are conveyed and presented in an entertaining medium. (Irreg.)  |
| IAS     | 3633   | Global Economic Crisis                        | Prerequisite: junior standing or permission of instructor. Examines the ways in which domestic political and economic systems adjust to global or regional economic crises. Topics of discussion include the Great Depression, the establishment and collapse of the postwar global economic order, two oil crises, the debt crisis in Latin American, and the East Asian financial crisis. Also includes debates on globalization, welfare states, and the ongoing global financial crisis. (Irreg.)   |
| IAS     | 3643   | Illicit Trafficking                           | Prerequisite: junior standing or permission of instructor. Focuses on some of today's most troubling security issues - the persistent and growing problems associated with the trafficking and smuggling of drugs, money, humans, guns, and commodities of all sorts. Closely examines the issue of trafficking in a global context, providing case studies of trafficking in women, illegal workers, drugs, weapons, and even butterflies. Includes case studies and examples of illicit trafficking and the local, national and global consequences. (Irreg.)   |
| IAS     | 3653   | Energy, Climate, and Security                 | Prerequisite: Junior standing or permission of instructor. Examines how states pursue and protect energy security. It provides an analytical framework of energy security and detailed case studies of the constant quest for energy security by states around the world. Climate and energy security have increasingly become two prominent issues of global governance in the 21st century assuming the characteristics of global public goods and requiring global collective action. The course examines challenges and prospects of global energy governance. (Irreg.)   |
| IAS     | 3663   | Comparative Politics of the Middle East       | Prerequisite: Junior standing or permission of instructor. Introduction to comparative politics approaches to Middle East politics. Students will become familiar with the major concepts and theories involved in the study of Middle Eastern politics. Topics and themes to be discussed in class include: states and state formation in the Middle East; the persistence and dynamics of authoritarianism in the region; political liberalization and democratization; civil society; nationalism and identity; oil and theories of the rentier state; Islamist politics, and the Arabic Uprisings or "revolutions". (Irreg.) [IV-NW]  |

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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| IAS     | 3673   | Egyptian Politics & Society               | Prerequisite: Junior standing or permission of instructor. Examines Egyptian politics and society from the birth of the first Egyptian republic in 1952, through the January 2011 uprising and subsequent political developments. It attempts to understand the dynamics of different Egyptian political regimes. The course examines the major actors and major issues in Egyptian politics, including the character and identity of the nation; the relationship between religion and state; economic orientation and economic policies; external relations and foreign affairs, and questions about authoritarianism and struggles for democracy. (Irreg.) |
| IAS     | 3683   | Poverty and Inequality in the Middle East | Prerequisite: Junior standing or permission of instructor. An introduction to poverty and inequality in the Middle East which will give students an overview of how poverty has been defined, represented and contested in international development discourse. The course will examine causes of economic underdevelopment, inequality and poverty, including regional politics, urbanization and the Middle East's legacy of colonialism. (Irreg.)  |
| IAS     | 3693   | Military, State & Society                 | Prerequisite: Junior standing or permission of instructor. This course is concerned with some of the key problems and puzzles of civil-military relations such as military intervention in politics and the role militaries play in social revolutions. This course will examine different political contexts across the world, including the U.S., Europe, Latin America, China/Asia, Africa and the Middle East. (Irreg.)   |
| IAS     | 3703   | South Asian Security                      | Prerequisite: Junior standing or permission of instructor. Explores the strengths and limits of international relations theories by applying theories to an array of South Asian regional issues in both historical and contemporary contexts. These issues include territorial conflict, domestic politics and war, civil wars, nuclear proliferation, terrorism, and regional cooperation in trade and security. (Irreg.)   |
| IAS     | 3713   | Race & Immigration in Europe              | Prerequisite: Junior standing or permission of instructor. Explores how questions of race have shaped European society and politics, as well as the ways that immigration has created the multi-cultural Europe that we know today. Topics of discussion include the origins of immigration policy in interwar Europe; anti-Semitism and the Holocaust; immigration and imperialism; post-colonial immigration from Africa and Asia; the place of Islam in European society, and the emergence of anti-immigration political movements on the extreme right. (Irreg.)   |
| IAS     | 3733   | Public Health in Africa                   | Prerequisite: Junior standing or permission of instructor. Explores how questions of health have shaped the African continent from the period of European colonization in the early twentieth century to today. Topics of discussion include the development of colonial public health infrastructure; the emergence of international health and development institutions, and the continuing challenges that independent states in Africa today face dealing with both epidemic disease and preventative care. (Irreg.)  |
| IAS     | 3742   | Model UN                                  | Prerequisite: Junior standing or permission of instructor. Provides students with a fundamental understanding of the institutions and activities of the United Nations. Issues of current interest in the UN will also be discussed. Students will acquire skills to not only prepare them to participate in a Model United Nations conference, but also prepare them to develop, implement and manage such a conference. (Irreg.)  |
| IAS     | 3753   | Youth Culture in Contemporary Iran        | Prerequisite: Junior standing or permission of instructor. This course seeks to better understand strategies that Iran's third generation is deploying in order to navigate Iran's maze of structural constraints and opportunities. This course will also serve as an introduction to Iran's post-Revolution history, and examine how Iran's youngest citizens have engaged in this history. (Irreg.) [IV-NW]  |



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| Subject | Number | Title                               | Course Description  |
|---------|--------|-------------------------------------|---|
| IAS     | 3763   | Women and Gender in the Middle East | Prerequisite: Junior standing or permission of instructor. An introduction to the study of women and gender in the contemporary Middle East. This course examines how depictions of Muslim, Middle Eastern women and debates surrounding gender have shaped and been shaped by wider local and global forces over time. Topics include current debates on women and gender in the Middle East and in Islam; the rise of women's movements in the region; and ways in which Muslim women of varying backgrounds conceptualize themselves and their position in the Middle East. (Irreg.)   |
| IAS     | 3773   | State & Society in Pakistan         | Prerequisite: Junior standing or permission of instructor. Examine the history, politics, and important social issues of Pakistan. Drawing on materials from a variety of social science disciplines, topics of discussion will include: nation-state building, ethnic conflict, political Islam, terrorism, civil-military relations, democratization, civil society, and gender politics. (Irreg) [IV-NW]   |
| IAS     | 3783   | US-Arab Cultural Encounters         | Prerequisite: junior standing or permission of instructor. In this course, students will gain insight into complex Arab thoughts and perspectives of the United States with respect to issues such as the American dream, globalization, identity politics, cultural imperialism, democracy, human rights, and power dynamics. (Irreg.)[IV-NW]  |
| IAS     | 3810   | Journey to Africa                   | 1 to 6 hours. Prerequisite: sophomore standing and completion of ENGL 1213, or permission of instructor. May be repeated; maximum credit 12 hours. Journey to Africa is a summer study abroad program designed for OU students. Students will travel with an OU faculty member and other OU students throughout an African country or region, and learn about various cultural, historical, political, social, economic or linguistic issues relevant for an understanding of one or more African countries. Academic instruction for this program takes place in English. (Su)   |
| IAS     | 3910   | International Studies Internship    | Prerequisite: 45 completed hours and a minimum of a 2.75 overall GPA. May be repeated; Maximum credit six hours. This course allows students to receive academic credit for internship work with an internationally oriented public or private organization. The award of academic credit for the internship requires an element of reflection, research, and writing about the work undertaken. This academic component can strongly enhance what is gained from the internship opportunity and improve a student's ability to articulate knowledgeably the requirements, benefits and lessons of work in the public or non-profit sector. (F, Sp, Su) |
| IAS     | 3920   | Journey to Italy                    | 1 to 6 hours. Prerequisite: sophomore standing and completion of ENGL 1213, or permission of instructor. May be repeated; maximum credit 12 hours. Journey to Italy is a program designed for OU students in collaboration with the University of Siena, an OU partner university in Arezzo. Students will travel with an OU faculty member and other OU students throughout Italy, and learn about various cultural, historical, political, social, economic or linguistic issues relevant for an understanding of contemporary Italy. Academic instruction for this program takes place in English. (Su)  |
| IAS     | 3930   | Journey to China                    | 1 to 6 hours. Prerequisite: sophomore standing and completion of ENGL 1213, or permission of instructor. May be repeated; maximum credit 12 hours. Journey to China is a summer study abroad program designed for OU students, who will be hosted by OU partner universities in cities across China. Students will travel with an OU faculty member and other OU students throughout China, and learn about various cultural, historical, political, social, economic or linguistic issues relevant for an understanding of contemporary China. Academic instruction for this program takes place in English. (Su)                                      |
| IAS     | 3940   | Journey to Latin America            | 1 to 6 hours. Prerequisite: sophomore standing and completion of ENGL 1213, or permission of instructor. May be repeated; maximum credit 12 hours. Journey to Latin America is a summer study abroad program designed for OU students. Students will travel with an OU faculty member and other OU students throughout a Latin American country or region, and learn about various cultural, historical, political, social, economic or linguistic issues relevant for an understanding of one or more Latin American countries. Academic instruction for this program takes place in English. (Su)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| IAS     | 3950   | Journey to Turkey   | 1 to 6 hours: Prerequisite: sophomore standing and completion of ENGL 1213, or permission of instructor. May be repeated; maximum credit 12 hours. Journey to Turkey is a summer program designed exclusively for OU students. Participants travel with an OU faculty member for up to one month throughout the country of Turkey. Experimental activities, cultural events and lectures from host nationals add to expert OU faculty lectures to give Journey to Turkey participants a broad introduction to the historical context and contemporary issues facing Turkey and the Middle Eastern region today. All accepted applicants will receive a travel fellowship to offset the cost of international airfare. Academic instruction for this program takes place in English. (Irreg.) |
| IAS     | 3960   | Honors Reading  | 1 to 6 hours. Prerequisite: admission to Honors Program, permission of instructor and junior standing. May be repeated once with change of content. Independent study in international and area studies for students enrolled in the Honors Program. Will consist of topics not usually presented in regular courses. (F, Sp, Su)  |
| IAS     | 3980   | Honors Research   | 1 to 6 hours. Prerequisite: admission to Honors Program, permission of instructor and junior standing. May be repeated once with change of content. Provide international and area studies students an opportunity to work on an international research project. (F, Sp, Su)   |
| IAS     | 3990   | Independent Study   | 1 to 6 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| IAS     | 3999   | Upper Division Transfer Credit                            | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| IAS     | 4013   | Senior Capstone Seminar in International and Area Studies | Prerequisite: international and area studies major, senior standing, and permission of the department. May be repeated with change of content; maximum credit 6 hours. Devoted to analysis, research, writing, and synthesizing on one of several selected interdisciplinary topics in international and area studies. (F, Sp) [V]   |
| IAS     | 4343   | Early Chinese Philosophy                                  | (Slashlisted with 5343, Crosslisted with PHIL 4343) Prerequisite: Permission of the instructor. Survey of pre-Qin Chinese philosophy, including the major texts and figures of Confucianism, Daoism, and other notable schools. No student may earn credit for both 4343 and 5343. (Irreg.)  |
| IAS     | 4513   | Intellectuals & Artists in Modern Latin America           | (Crosslisted with HIST 4513) Prerequisites: History 2613 or 2623 or junior standing or permission of instructor. Examines both the history of ideas in modern Latin America as well as the history of intellectuals as a social group. We will consider intellectuals in the process of independence and the consolidation of nation states, the role of "race" in Latin American thought, and the relationship between European and Latin American thought. (Irreg.) [IV-WC]  |
| IAS     | 4523   | Latin American Left                                       | (Crosslisted with HIST 4523) Prerequisite: History 2613 or 2623 or junior standing or permission of instructor. This course examines the shifting political tactics and theoretical positions of a variety of leftist movements in Latin America since the early 20th century. We will exam leftist thought on the nature of Latin American development, approaches to commercial culture, and labor organizing, among other topics. (Irreg.) [IV-WC]  |
| IAS     | 4533   | Populism in 20th-Century South America                    | (Crosslisted with HIST 4533) Prerequisites: History 2613 or 2623 or junior standing or permission of instructor. This course will examine the phenomenon of Latin American "populism," a set of political movements that held a central place in 20th century Latin American history. We will focus on three cases as they relate to the broader economic and social processes in the region as a whole: Brazil; Argentina; and Chile. (Irreg.) [IV-WC]  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| IAS     | 4543   | Latin America in the Age of the Cuban Revolution | (Crosslisted with HIST 4543) Prerequisites: History 2613 or 2623 or junior standing or permission of instructor. This course is an in-depth examination of Latin American history of the period 1955-1973. We cover changes in politics, economics, literature, film, music, and theology in what many Latin Americans called the "revolutionary process" of the period. (Irreg.) [IV-WC]   |
| IAS     | 4960   | Directed Readings                                | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| IAS     | 4970   | Special Topics/Seminar                           | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| IAS     | 4990   | Independent Study                                | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| IAS     | 5003   | U.S. Foreign Relations                           | Prerequisite: graduate standing or permission of instructor. Examines current events and the historical and economic aspects of American foreign policy. Gives students an understanding of the main theories, actors, and debates in the field. (Irreg.)   |
| IAS     | 5013   | International Law                                | Prerequisite: graduate standing or permission of instructor. Examines different sources of international law; the relationship between international law and states, individuals and other international actors; the content of international law as it pertains to different issue areas (e.g. the use of force, human rights, the environment); and how these bodies of law affect international relations more generally. (Irreg.)   |
| IAS     | 5033   | International Human Rights                       | Prerequisite: graduate standing or permission of instructor. Provides a historical and theoretical overview of the idea of human rights and also examines how human rights operate in both international law and international relations. Topics under examination include the historical and philosophical foundations of human rights, their codification in contemporary international law, and the interaction between human rights considerations and state (primarily U.S.) foreign policy in the post-Cold War era. (Irreg.)         |
| IAS     | 5043   | Global Security                                  | Prerequisite: graduate standing or permission of instructor. Examines some of the major theoretical and practical approaches to the study of global security, and focuses on the causes of war, the impact of various actors, technologies, resources and other transnational problems on violent conflict, and the different approaches to and dimensions of security solutions. (Irreg.)  |
| IAS     | 5053   | Global History                                   | Prerequisite: graduate standing or permission of instructor. Defines global history not only as the history of globalization or the history of state-to-state relations, but also more broadly as the evolution of events, forces, ideas, and processes that were common to several areas of the globe and that led to the shaping of the modern world. Considers a wide range of ways of being global through the centuries. (Irreg.)  |
| IAS     | 5113   | Field Seminar in International Studies           | Prerequisite: graduate standing or permission of instructor. Examines practical issues of contemporary global affairs. Course topics include the practice of diplomacy as a profession, the role of transnational institutions such as the United Nations, the international role of NGO's as well as career opportunities in international affairs. (Irreg.)   |
| IAS     | 5123   | African Peacekeeping and Peace Enforcement       | Prerequisite: Graduate standing or permission of instructor. This course is designed for the MA in International Relations degree through OU's Advanced Programs. The course covers peacekeeping and peace enforcement operations in Africa. These missions combine the efforts of governmental, intergovernmental, and nongovernmental actors. The class will examine nation building, stabilization, reconstruction, and transition across the spectrum of peace operations with emphasis on peacekeeping and peace enforcement. (Irreg.) |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| IAS     | 5133   | Chinese Politics                              | Prerequisite: graduate standing or permission of instructor. Surveys major themes and approaches to the study of Chinese politics. Through a close reading and analysis of important works in the field, participants explore multiple methods and sources of information used to answer recurring questions about politics in China. (Irreg.)  |
| IAS     | 5143   | Political Economy of China                    | Prerequisite: graduate standing or permission of instructor. Explores the debates over the political economy of China, and examines theories of institutional change and economic performance, state capacity and political development, rent-seeking and corruption, class formation and collective action. (Irreg.)   |
| IAS     | 5153   | Chinese Foreign Policy                        | Prerequisite: graduate standing or permission of instructor. Examines key issues and concepts, introduces a number of key international relations theories and conceptual lenses relevant to the study of China, and explores Chinese foreign policy in practice. (Irreg.)  |
| IAS     | 5213   | Politics of the European Union                | Prerequisite: graduate standing or permission of instructor. Examines the historical process of European integration. Topics include the structure of the EU institution, the process of law making in the EU, the international role of the EU, the trans-Atlantic relationship. (F)   |
| IAS     | 5273   | Survey of International Economics             | (Crosslisted with ECON 5273) Prerequisite: graduate standing. Examines topics in international trade and finance including an evaluation of economic policies and international institutions. Public policy topics such as the impact of tariffs, quotas and exchange rates will be discussed. (Irreg.)   |
| IAS     | 5323   | The Political Economy of Development          | Prerequisite: graduate standing or permission of instructor. Studies the relationship between politics and economics in less developed countries. Reviews the history of economic theories of development and examines the economic effects of different trade strategies in Latin America, India, and East Asia. (Irreg.)  |
| IAS     | 5343   | Early Chinese Philosophy                      | (Slashlisted with 4343, Crosslisted with PHIL 5343) Prerequisite: Permission of the instructor. Survey of pre-Qin Chinese philosophy, including the major texts and figures of Confucianism, Daoism, and other notable schools. No student may earn credit for both 4343 and 5343. (Irreg.)   |
| IAS     | 5353   | Latin American International Relations        | Prerequisite: graduate standing or permission of instructor. Surveys the hemisphere's international relations with emphasis on U.S.-Latin American relations. Focuses on post-Cold War issues in hemispheric affairs, and gives students a skill set appropriate for internationally related careers. (Irreg.)  |
| IAS     | 5433   | International Relations in the Middle East    | Prerequisite: graduate standing or permission of instructor. Surveys how the modern states of the region were constructed by the European powers and local authorities following the destruction of the Ottoman and Persian empires in WWI. Concentrates on two regional conflicts, the Arab-Israeli conflict and the Gulf conflict, and discusses how policy could have been improved and what the U.S. should be doing in the Middle East today. (Irreg.) |
| IAS     | 5453   | Politics and Policy of the Middle East        | Prerequisite: graduate standing or permission of instructor. Focuses on the historical issues of state formation and emergence of the modern Middle East; the contemporary question or persistent authoritarianism from social, economic, and political perspectives; and aspects of the U.S. involvement in the Middle East. (Irreg.)  |
| IAS     | 5503   | Theory and Practice of International Politics | Prerequisite: graduate standing or permission of instructor. Focuses on political relations among states, the role and function of non-state actors, the nature of the international system, factors that affect state behavior, analytical and practical tools relevant for foreign policy decision-making, and various policy relevant issues in the international arena. (Irreg.)  |

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| Subject | Number | Title                                       | Course Description   |
|---------|--------|---|--|
| IAS     | 5523   | Global Political Economy                    | Prerequisite: graduate standing or permission of instructor. Examines economic relations, cooperation, and competition among states and non-state actors. Students in this course can gain a familiarity with the principles of international trade and finance, understand the functions and power of international economic institutions and how these have evolved and changed, and understand different theories that have been offered to explain international political economy. (Irreg.)   |
| IAS     | 5623   | Inequality Around the World                 | Prerequisite: Graduate standing or permission of instructor. This course will derive coherence from a focus on economic inequality, specifically on the social and political consequences of economic inequality. Material will address such questions as: what is the scope of economic inequality in modern societies? Why does inequality matter? Do societies necessarily become more unequal as they grow more prosperous? Might inequality at some level harm economic growth? (Irreg)   |
| IAS     | 5693   | Political Economy of China                  | Prerequisite: graduate standing or permission of instructor. Explores debates over the political economy of China. Examines theories of institutional change and economic performance, state capacity and political development, rent-seeking and corruption, and class formation and collective action. How do China's reforms over the past three decades confirm or challenge the assumptions and propositions central to these established social science theories? How have recent studies of political economy in China advanced our understanding of these theories or suggested new approaches to the study of comparative political economy? These and other core questions will be covered including topics such as popular protest, global capitalism, corruption, and the nature of one-party rule in China. (Irreg.)                  |
| IAS     | 5793   | Graduate Studies in International Relations | Prerequisite: Graduate standing or permission of instructor. Designed to provide students with a foundation for success in coursework for the MA degree in International Relations. The course begins with a focus on effective analytical writing in the field of international relations. The remaining sections of the course concentrate on essential building blocks in the field of international relations, with a particular emphasis on the relationship between domestic and international levels of explanation of international phenomena, from treaties/international agreements to economic sanctions to war. (Irreg)  |
| IAS     | 5803   | Global Affairs Practicum                    | Prerequisite: Graduate standing or permission of instructor. This course satisfies the practicum requirement for the MA degree in Global Affairs. All students are expected to engage in a research project resulting in a written document that examines, analyzes and critiques a specific government or international policy. The paper should ultimately propose specific policy recommendations that are intended to be an improvement upon the current policy. The project may be conducted under the auspices of the Diplomacy Lab. The projects are intended to contribute to the policymaking process by offering relevant research on topics of interest to the US State Department. (Irreg)   |
| IAS     | 5810   | Field Studies in Africa                     | 1 to 6 hours. Prerequisite: graduate standing. May be repeated; maximum credit 12 hours. The Field Studies in Africa course is a summer program designed exclusively for OU students. Participants travel with an OU faculty member for up to one month throughout one or more countries in Africa. Academic instruction for this program takes place in English, but some foreign language training may be included in the program. Experiential activities, cultural events and lectures from host nationals add to expert OU faculty lectures to give Field Studies in Africa participants a comprehensive understanding of the historical context and contemporary issues facing the countries of study and the African continent today. All accepted applicants receive a travel fellowship to offset the cost of international airfare. (Su) |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| IAS     | 5820   | Field Studies in Italy         | 1 to 6 hours. Prerequisite: graduate standing. May be repeated; maximum credit 12 hours. The Field Studies in Italy course is a summer program designed exclusively for OU students. Participants travel with an OU faculty member for up to one month throughout the country of Italy. Academic instruction for this program takes place in English, but some foreign language training may be included in the program. Experiential activities, cultural events and lectures from host nationals add to expert OU faculty lectures to give Field Studies in Italy participants a comprehensive understanding of the historical context and contemporary issues facing Italy and the continent of Europe today. All accepted applicants receive a travel fellowship to offset the cost of international airfare. (Su)  |
| IAS     | 5830   | Field Studies in China         | 1 to 6 hours. Prerequisite: graduate standing. May be repeated; maximum credit 12 hours. The Field Studies in China course is a summer program designed exclusively for OU students. Participants travel with an OU faculty member for up to one month throughout the country of China. Academic instruction for this program takes place in English, but some foreign language training may be included in the program. Experiential activities, cultural events and lectures from host nationals add to expert OU faculty lectures to give Field Studies in China participants a comprehensive understanding of the historical context and contemporary issues facing China and the Asian region today. All accepted applicants receive a travel fellowship to offset the cost of international airfare. (Su)   |
| IAS     | 5840   | Field Studies in Latin America | 1 to 6 hours. Prerequisite: graduate standing. May be repeated; maximum credit 12 hours. The Field Studies in Latin America course is a summer program designed exclusively for OU students. Participants travel with an OU faculty member for up to one month throughout the one or more Latin American countries. Academic instruction for this program takes place in English, but some foreign language training may be included in the program. Experiential activities, cultural events and lectures from host nationals add to expert OU faculty lectures to give Field Studies in Latin America participants a comprehensive understanding of the historical context and contemporary issues facing Latin American countries and the entire region today. All accepted applicants receive a travel fellowship to offset the cost of international airfare. (Su) |
| IAS     | 5850   | Field Studies in Turkey        | 1 to 6 hours. Prerequisite: graduate standing. May be repeated; maximum credit 12 hours. The Field Studies in Turkey course is a summer program designed exclusively for OU students. Participants travel with an OU faculty member for up to one month throughout the country of Turkey. Academic instruction for this program takes place in English, but some foreign language training may be included in the program. Experiential activities, cultural events and lectures from host nationals add to expert OU faculty lectures to give Field Studies in Turkey participants a comprehensive understanding of the historical context and contemporary issues facing Turkey and the Middle Eastern region today. All accepted applicants receive a travel fellowship to offset the cost of international airfare. (Su)  |
| IAS     | 5902   | Global Political Turbulence    | Prerequisite: Graduate standing or permission of instructor. This is one of three core courses in the MAGA program focused on aspects of global turbulence. The Global Political Turbulence course explores the sources, consequences and implications of turbulence in the international political system. It will examine political turbulence in a global context, as well as turbulent affairs in each region of the world. We will concentrate on the political turbulence that characterizes global affairs today and will highlight turbulent relations in each region of the world. (Irreg)   |

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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| IAS     | 5912   | Global Economic Turbulence            | Prerequisite: Graduate standing or permission of instructor. This is one of three core courses in the MAGA program focused on aspects of global turbulence. This course explores sources of turbulence in the global economy and their consequences -- from the increasing global diffusion of economic power, to the volatility produced by free movement of large amounts of capital around the world. We will begin by examining shifts in the global distribution of economic power. We also will consider the 2008-9 global financial crisis, the aftermath of which continues to have dramatic consequences across governments and international organizations worldwide. (Irreg) |
| IAS     | 5913   | International Studies Internship      | Prerequisite: graduate standing or permission of instructor. Students receive academic credit for internship work with an internationally oriented public or private organization. Internship credit requires an element of reflection, research, and writing about the work undertaken, and can strongly enhance what is gained from the internship opportunity and improve a student's ability to articulate knowledgeably the requirements, benefits and lessons of work in the public or non-profit sector. (Irreg.)  |
| IAS     | 5922   | Global Social Turbulence              | Prerequisite: Graduate standing or permission of instructor. This is one of three core courses in the MAGA program focused on aspects of global turbulence. This course examines the layered causes and consequences of social turbulence around the world. It explores how peoples interact with each other and the world around them. Additionally, students will address how people react to societal and environmental changes. At the end of this course, students should have a firmer grasp on societal interaction and reaction along a number of important areas. (Irreg)  |
| IAS     | 5923   | International Studies Policy Exercise | Prerequisite: graduate standing or permission of instructor. Policy exercise offers students the option of a Capstone project that demands the integration of skills developed in the MAIS program core. Each semester the faculty will develop a policy exercise based on a contemporary global problem. Students will be responsible for gathering extensive evidence and analyses bearing on the problem at hand from a variety of perspectives. (Irreg.)  |
| IAS     | 5940   | Topics in International Studies       | 1 to 4 hours. Prerequisite: graduate standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Analysis of one or several selected topics in international studies, international development, and/or international management. (Irreg.)   |
| IAS     | 5950   | Research Problems                     | 2 to 5 hours. Prerequisite: graduate standing. May be repeated with change of content; maximum credit six hours. Directed research and writing on selected topics in international relations, international development, and international management. (F, Sp, Su)  |
| IAS     | 5960   | Directed Readings                     | 1 to 3 hours. Prerequisite: permission of instructor and graduate standing. May be repeated; maximum credit six hours. Directed individual readings on selected topics in international relations; international development, and international management. (F, Sp, Su)   |
| IAS     | 5970   | Special Topics/Seminar                | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| IAS     | 5980   | Research for Master's Thesis          | 2 to 6 hours. Prerequisite: permission of instructor and admission to M.A. in International Relations. May be repeated; maximum credit four hours. Directed individual research and writing on master's thesis. Student must be admitted to the M.A. in International Relations program. (F, Sp, Su)  |
| IAS     | 5990   | Independent Study                     | 1 to 3 hours. Prerequisite: permission of instructor and graduate standing. May be repeated; maximum credit six hours. Directed individual work on topics in international relations, international development, and/or international management. (F, Sp, Su)   |
| IAS     | 5999   | Graduate Level Transfer Credit        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ILAC    | 1999   | Lower Division Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| ILAC    | 2960   | Individual Study                                 | 1 to 4 hours. Prerequisite: good standing in University; fewer than 62 total hours; approval of instructor and dean. May be repeated; maximum credit four hours. Designed to provide an introduction to the study of education through a rigorous program of readings under the direction of a member of the faculty. (Irreg.)  |
| ILAC    | 3960   | Honors Reading                                   | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides students with the opportunity to develop an appropriate body of reading materials on topics not covered in detail in routine coursework. Students will be obliged to assume the primary initiative in selecting the topic, compiling the bibliography and completing the reading, and will report their progress in weekly sessions to their instructor. Credit will be given only after an intensive oral examination. (Irreg.) |
| ILAC    | 3970   | Honors Seminar                                   | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Covers variable subjects in education with in-depth studies of issues not covered in the standard course offerings. (Irreg.)  |
| ILAC    | 3980   | Honors Research                                  | Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for honors students to work on a special project under the guidance of a professor in the student's major area of study. (Irreg.)   |
| ILAC    | 3990   | Independent Study                                | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| ILAC    | 3999   | Upper Division Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| ILAC    | 4003   | Partnerships: Working With Parents and Community | Prerequisite: admission to Teacher Education program. Approaches for working with students, parents, guardians, and the community (both locally and globally) will be addressed. Primary content for the course includes: student, parental and community involvement in schools, interaction/communication skills, diversity of families, available resources, and emerging trends. Community involvement and non-traditional field experiences will also be an integral part of the course. (F, Sp)                           |
| ILAC    | 4143   | Theory and Research in Education                 | (Slashlisted with 5143) Prerequisite: permission of College of Education Undergraduate Academic Advising Office. This course is designed to help students evaluate their own practice and develop educational research habits of mind. Specifically as a result of the course students will better understand: a.) Reflective practice (oraxus) and b.) the value of educational research. No student may earn credit for both 4143 and 5143. (F, Sp)   |
| ILAC    | 4960   | Directed Readings in Education                   | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students preparing to teach who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| ILAC    | 4970   | Special Topics/Seminar                           | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of content; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ILAC    | 4980   | Practicum in Education                           | 1 to 3 hours. Prerequisite: nine hours of education courses. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. (Irreg.)  |
| ILAC    | 4990   | Special Problems in Education                    | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of title and subject. Variable as to subject and credit for areas of specialty and/or interest not otherwise provided in the standard offering of courses. (Irreg.)   |



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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ILAC    | 5003   | Models of Instruction                                      | Prerequisite: completion of undergraduate teacher education. Students will study teaching models and their strategies intended to improve abilities to analyze student-teacher interactions and to increase teacher effectiveness as instructor and manager in a variety of educational situations. (F, Sp)  |
| ILAC    | 5043   | Analysis of Teaching and Learning                          | Prerequisite: graduate standing; corequisite: EDUC 5920 (Internship). An understanding of how to analyze teaching and learning using a variety of reflective techniques including journals, oral inquiries, classroom/school studies, and theoretical analysis. (F, Sp)  |
| ILAC    | 5133   | Multicultural Art Education                                | Prerequisite: Graduate standing. Creative expression explores the arts as means of social critique, self expression, and identity development. We consider implications both for teaching and learning. (Sp)   |
| ILAC    | 5143   | Theory and Research in Education<br>Slashlisted with 4143) | Prerequisite: graduate standing or permission of instructor. An introduction to the processes and products of educational research such as stages in designing a study, introduction to research methods, identification of the components of a research-based article. Develops critical consumers of educational research. No student may earn credit for both 4143 and 5143. (F, Sp, Su)  |
| ILAC    | 5233   | Understanding Different Cultures                           | Prerequisite: graduate standing or permission of instructor. Provides information on cultural styles and characteristics of various ethnic and economic groups with emphasis on how teachers can understand and honor differences and similarities and adjust their teaching in order to be effective with a variety of students and families. (F)   |
| ILAC    | 5910   | Practicum in ILAC--Master's                                | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor and dean. May be repeated; maximum credit six hours. Variable as to title and subject profession. Provides field-type experience under faculty supervision and is designed to introduce the student to the practical application of theory within an environment in which professional practice takes place. Seminar experience is to be included. (Irreg.)  |
| ILAC    | 5920   | Internship in Education--Master's                          | 1 to 6 hours. Prerequisite: 5910, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. Available to master's degree programs specifically requiring an internship in addition to thirty-two hours of other coursework as part of the degree. Introduces the student to the profession under the supervision of a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.)  |
| ILAC    | 5940   | Field Studies in ILAC                                      | 1 to 4 hours. Prerequisite: 12 hours of education. May be repeated with change of subject matter; maximum credit eight hours. Practical problems in education as defined by members of the classes. Typical topics: defining educational objectives, relating school programs to established objectives, developing teaching-learning aids, organization for participation in developing and evaluating instructional programs, using community resources for learning, improving evaluation procedure. (Irreg.) |
| ILAC    | 5960   | Directed Readings  | 1 to 4 hours. Prerequisite: 12 hours of education, approval of instructor, adviser and dean. May be repeated; maximum undergraduate credit eight hours; maximum graduate credit four hours. (Irreg.)   |
| ILAC    | 5970   | Special Topics/Seminar                                     | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ILAC    | 5972   | Pre-Master's Seminar                                       | Prerequisite: 12 hours of education, graduate standing, permission of instructor. May be repeated; maximum credit four hours. Enrollment limited to students who are in early post-baccalaureate curricula. (Irreg.)   |
| ILAC    | 5980   | Research for Master's Thesis                               | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| ILAC    | 5990   | Independent Study  | 1 to 4 hours. Prerequisite: graduate standing or permission by instructor. May be repeated with change of subject matter; maximum credit six hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ILAC    | 5999   | Graduate Level Transfer Credit                                 | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| ILAC    | 6003   | Curriculum Theory  | Prerequisite: admittance to Instructional Leadership & Academic Curriculum doctoral program. Supports five core themes: scholarly discourse; philosophical thinking/intellectual curiosity; the praxis of curriculum and instruction; democracy, diversity, and community; research knowledge, skills, and attitudes. (F)  |
| ILAC    | 6013   | Proseminar in Instructional Leadership and Academic Curriculum | Prerequisite: admittance to Instructional Leadership & Academic Curriculum doctoral program. Required for new doctoral students, to be taken in sequence with 6023. Intended to introduce students to interdisciplinary, cross-disciplinary, and specialization studies in the field; university educators and fellow students; and the ethos of doctoral study and the academy. (F)   |
| ILAC    | 6023   | Theoretical Issues in Instructional Leadership                 | Prerequisite: admittance to Instructional Leadership & Academic Curriculum doctoral program. Required for new ILAC doctoral students, to be taken in sequence with 6013. Focus on important theoretical issues which impact the research, curriculum, and practice of schools and other educational agencies. (Sp)   |
| ILAC    | 6033   | Critical Research Paradigms                                    | Prerequisite: admission to Ph.D. program or permission of instructor. Compares research paradigms and epistemologies and examines critical and transformative research approaches. (Irreg.)  |
| ILAC    | 6902   | Pre-Doctoral Seminar   | Prerequisite: graduate standing. An introduction to advanced graduate scholarship in education, including a review of advanced level trends and issues in specific fields within education. (Irreg.)   |
| ILAC    | 6910   | Practicum in Educ--Doctoral                                    | 1 to 6 hours. Prerequisite: admission to doctoral program, permission of instructor. May be repeated; maximum credit six hours. Variable as to title and subject profession. An advanced practicum for post-master's level students only. The object is to provide professional experience under faculty supervision in fields requiring a high degree of professional skill. Seminar experience is to be included. (Irreg.)                                     |
| ILAC    | 6920   | Internship in Education--Doctoral                              | 1 to 6 hours. Prerequisite: written permission of the instructor. May be repeated; maximum credit 12 hours. Variable as to title and subject profession. An advanced internship for post-master's level students only. The object of the internship is to cultivate within the student a high degree of proficiency and professional independence. Field supervision is by a practitioner whose credentials are equal to those of the graduate faculty. (Irreg.) |
| ILAC    | 6930   | Intensive Studies in Education                                 | 1 to 6 hours. Prerequisite: 12 hours of education and permission of instructor. Repeatable with change of title and subject. Opportunity offered for professional educators and others interested in education, cooperatively, to seek solutions to educational problems. Organized groups work in curriculum, guidance, instruction, administration and supervision. Competent leadership and expert consultant service provided. (Irreg.)                      |
| ILAC    | 6960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| ILAC    | 6970   | Post-Master's Seminar  | 2 to 4 hours. Prerequisite: master's degree, 24 hours of education, permission of instructor. May be repeated with change of subject matter; maximum credit twelve hours. Enrollment limited to students who hold the master's degree. (F, Sp, Su)   |
| ILAC    | 6980   | Research for Doctoral Dissertation                             | Maximum of 15 hours credit for the Ed.D. and 30 hours for the Ph.D. (F, Sp, Su)  |
| ILAC    | 6990   | Individual Study in Education                                  | 1 to 4 hours. Prerequisite: 12 hours of education, graduate standing and permission of the instructor. May be repeated with change of subject matter; maximum credit eight hours. For advanced graduate students who need to study some problem or area not adequately covered in the organized courses, under the direction of a staff member in whose area of specialization the problem lies. (Irreg.)  |

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| Subject | Number | Title                          | Course Description   |
|---------|--------|--------------------------------|--|
| ILAW    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| ILAW    | 5000   | Law Study Abroad               | Prerequisite: permission of the College of Law. Course is designed to facilitate student participation in law study abroad and reciprocal exchange programs. (Irreg.)  |
| INTL    | 1000   | Study Abroad                   | 1 to 15 hours. Designed to facilitate student participation in study abroad and reciprocal exchange programs. (F, Sp, Su)  |
| INTL    | 1999   | Lower Division Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| INTL    | 2000   | Study Abroad                   | 1 to 15 hours. Designed to facilitate student participation in study abroad and reciprocal exchange programs. (F, Sp, Su)  |
| INTL    | 2001   | Study Abroad                   | May be repeated; Maximum credit three hours. Course is designed to facilitate student participation in study abroad. (F, Sp, Su)   |
| INTL    | 2970   |                                | 1 to 15 hours. Designed to facilitate student participation in study abroad and reciprocal exchange programs. (F, Sp, Su)  |
| INTL    | 3000   | Study Abroad                   | 1 to 15 hours. Designed to facilitate student participation in study abroad and reciprocal exchange programs. (F, Sp, Su)  |
| INTL    | 3116   | Graz, Austria Summer Program   | Prerequisite: junior standing or permission of International Exchange Programs office. Survey of the history and current political realities of south eastern Europe. Comprises Austrian history within a Balkan context, history of Yugoslavia, and study of the integration of south east European states in European institutions following the demise of communism. Experiential learning through field trips (Vienna, Zagreb, Ljubljana). Intensive German language course and fine arts component (concerts, opera, architectural monuments). (Su) |
| INTL    | 3999   | Upper Division Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| INTL    | 4000   | Study Abroad                   | 1 to 15 hours. Designed to facilitate student participation in study abroad and reciprocal exchange programs. (F, Sp, Su)  |
| INTL    | 4970   | Special Topics                 | 1 to 15 hours. Designed to facilitate student participation in study abroad and reciprocal exchange programs. (F, Sp, Su)  |
| INTL    | 5000   | Study Abroad                   | 1 to 15 hours. Prerequisite: permission of the graduate dean and the student's major department before enrollment. Designed to facilitate student participation in study abroad and reciprocal exchange programs. (F, Sp, Su)  |
| INTL    | 5999   | Graduate Level Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| INTL    | 6000   | Study Abroad                   | 1 to 15 hours. Prerequisite: permission of the graduate dean and the student's major department before enrollment. Designed to facilitate student participation in study abroad and reciprocal exchange programs. (F, Sp, Su)  |
| ISE     | 1999   | Lower Division Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| ISE     | 2281   | Engineering Co-Op Program      | (Crosslisted with AME, CH E, CEES, C S, ENGR, EPHY, ECE, G E, P E 2281) Prerequisite: student participation in the program. The Co-Op program provides student placement in jobs outside the University, but in a position related to the student's major. On completion of a semester work period, the student submits a brief written report. One hour of credit (elective) granted for each work period, with a maximum credit of six hours. (F, Sp, Su)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ISE     | 2303   | Design and Manufacturing Process                                       | (Crosslisted with AME 2303) Prerequisite: AME 2113 or CEES 2113 or ENGR 2113. Mechanical and physical properties of engineering materials. Introduction to design concepts, manufacturing processes and equipment used in engineering. (Sp)  |
| ISE     | 2311   | Computer Aided Design and Graphics Laboratory for Industrial Engineers | Corequisite: 2303. Provides students with a basic understanding of technical graphics communication and computer-aided design for industrial engineering applications. By using computer-aided design/drafting software, SolidWorks/autoCAD, students will learn basic principles of engineering graphics and geometric modeling to assist in design problem visualization and planning. (Sp)  |
| ISE     | 2823   | Enterprise Engineering   | Prerequisite: Sophomore standing. Introduction to the industrial engineering role as enterprise system integrator. Systems concepts, modeling and analysis; integrated product/service and operational process design; productivity and quality improvement; computer technology insertion; project, operations, and global supply chain management.(F)  |
| ISE     | 3293   | Applied Engineering Statistics   | Prerequisite: MATH 2433 or MATH 2924. Introduction to probability, one and higher dimensional random variates, function of random variables, expectation, discrete and continuous distributions, sampling and descriptive statistics, parameter estimation, use of statistical packages. (F, Sp)   |
| ISE     | 3304   | Design and Manufacturing II  | Prerequisite: 2303, 2311, Civil Engineering and Environmental Science 2153 (or concurrent enrollment) Or Aerospace and Mechanical Engineering 3143 (or concurrent enrollment). Dimensioning and tolerancing; tolerances-type, design and specification; assembly and fit design; tolerance standards, process planning-precedence representation in machining, operation and machine sequencing; jigs and fixtures-design and analysis; time and cost estimation for machining; automation; process/system integration. Laboratory (F)   |
| ISE     | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| ISE     | 3960   | Honors Reading (HONORS)  | 1 to 3 Hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the Student's major program. Covers materials not usually presented in the regular courses. (F, Sp, Su)  |
| ISE     | 3980   | Honors Research (HONORS)   | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| ISE     | 3990   | Special Topics   | 1 to 3 hours. Directed study for undergraduates. (F, Sp, Su)   |
| ISE     | 3999   | Upper Division Transfer Credit   | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| ISE     | 4113   | Spreadsheet Dec Support Sys  | Prerequisite: I E/ISE 4623 or concurrent enrollment in I E/ISE 4623, Computer Science 1313 or C S 1323, or permission of instructor. Covers all aspects of spreadsheet-based software functionality that are relevant to supporting decision-making. Microsoft Excel is used as the subject tool. Students will learn advanced functions of Excel that are available through the spreadsheet interface, the Visual Basic language and its integration with the spreadsheet environment, principles of decision-support systems studied in a variety of applications, including facility layout, warehousing, portfolio optimization, and various statistical inference problems. (F) |

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| Subject | Number | Title                               | Course Description  |
|---------|--------|-------------------------------------|---|
| ISE     | 4223   | Fundamentals of Engineering Economy | Prerequisite: MATH 2423 or 2924 or permission of the department. Development and use of time value of money interest formulas. Inflation considerations and bond problems. Bases for comparison of alternatives, present worth, annual worth, rate of return and savings-investment ratio methods. Decision-making among independent, dependent, capital-constrained and unequal lived projects. Depreciation methods and their effect on corporate income taxes, leading to after-tax cash flow analysis. Benefit-cost and cost effectiveness analysis. (Sp) |
| ISE     | 4333   | Production Systems/Operations       | Prerequisite: 2823 and 4623, or by permission. Operations-oriented topics for production systems. Supply chain process (tactical planning, operational scheduling and sequencing, management and planning, demand promising). Customer service process; E-Business and information technology applications for production systems. (F)  |
| ISE     | 4363   | Facility Planning/Warehousing       | (Slashlisted with 5363) Facility Planning, Warehousing, And Material Handling. Prerequisite: 4623. Facility Location And Layout Models, Design, Analysis, And Improvement Of Warehousing Operations, Material Handling Systems In Manufacturing And Warehousing Operations, Informational Technologies For Management Of Operations, Supply Chain Relationships. (Sp)   |
| ISE     | 4383   | Systems Evaluation                  | Prerequisite: I E/ISE 3304, I E/ISE 4223, I E/ISE 4563, I E/ISE 4633, I E/ISE 4804. Focuses on the development and evaluation of alternate system and process designs. Development of system goals, requirements, and performance measures; ranking of alternatives and decision analysis techniques. Review and development of trade studies. Applications in facility layout, maintenance, supply chain, and other contexts. (F)  |
| ISE     | 4393   | Capstone Design Project             | Prerequisite: ISE 4333, ISE 4383, ISE 4663, and ISE 4853. Restricted to graduating industrial & systems engineering students; to be taken in the last semester. Current problems drawn from production and service organizations will be presented by personnel from these organizations. Students will solve these problems under the guidance of their instructor, using industrial engineering methodology. (F, Sp) [V]  |
| ISE     | 4553   | Data-Driven Decision Making I       | (Slashlisted with 5553) Prerequisite: ISE 3293. Fundamentals of statistical models for describing engineering systems and processes. Analysis of variance, multiple regression, logistic regression, time series, clustering. Emphasis is placed on decision making. No student may earn credit for both 4553 And 5553. (F)   |
| ISE     | 4563   | Quality & Reliability Engineering   | (Slashlisted with 5563) Prerequisite: ISE 3293 and ISE 4553. The use of statistical methods for quality control and improvement in product and process environments, as well as introductory applied probability for component and system reliability. Topics include philosophies of quality management, control chart theory and application, process capability, and performance metrics of reliability. Focus is given to decision making in engineering systems. No student may earn credit for both 4563 and 5563. (Sp)                                 |
| ISE     | 4623   | Deterministic Systems Models        | Prerequisite: I E/ISE 2823. Problem solving using analytical models: theory, methodology, and application. Topics include linear programming, simplex algorithm and sensitivity analysis, integer programming, and dynamic programming. Practical applications in transportation networks, project management and scheduling, deterministic inventory models, decision making, and systems integration. Solution methods using computer software. (F)   |
| ISE     | 4633   | Probabilistic Systems Models        | Prerequisite: I E 3293 or ISE 3293 AND I E 4623 or ISE 4623. Problem solving using stochastic models: theory, methodology, and application. Topics include probability distributions, Poisson processes, Markov chains and Markov decision processes, queuing theory, and Monte Carlo simulation. Practical applications in probabilistic inventory models, maintenance activities, decision making, and systems integration. Solution methods using computer software. (Sp)  |
| ISE     | 4663   | Systems Analysis Using Simul        | Prerequisite: Engineering 3293 or 3293, 4633. Implements the science of systems analysis through the use of simulation modeling and statistical analysis; inclusive of time study analysis for performing input modeling tasks. Laboratory (F)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ISE     | 4804   | Ergonomics in Systems Design                     | Prerequisite: junior standing or permission of instructor. Human-systems integration, considering the impacts of the physical structure, the information flow, and the environmental conditions on human performance. Students learn how to design, evaluate and improve systems from the perspective of the human(s) working in and impacted by the system. (Sp)  |
| ISE     | 4853   | Data-Driven Decision Making II                   | (Slashlisted with 5853) Prerequisite: 4553 and 4804. Experimental methodology for empirical decision making. Includes the development of empirical hypotheses, designs, performance criteria, and analyses. Techniques for empirical reporting. The measurement of human performance is typically the vehicle used for students in this course. No student may earn credit for both 4853 and 5853. (F)   |
| ISE     | 4960   | Directed Readings                                | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| ISE     | 4970   | Special Topics/Seminar                           | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit twelve hours. Special topics in the various fields of industrial engineering -- data analysis, engineering financial analysis, human factors, manufacturing, operations research, production, simulation, sustainability, systems. (Irreg.)   |
| ISE     | 4990   | Special Studies                                  | 1 to 3 hours. Prerequisite: senior standing. May be repeated once; maximum credit six hours. Directed study for undergraduates. (F, Sp, Su)  |
| ISE     | 5013   | Fundamentals of Engineering Statistical Analysis | (Crosslisted with DSA 5013) Prerequisite: graduate standing. Introduction to probability, expectation, discrete and continuous distributions, sampling and descriptive statistics, parameter estimation, and statistical tests to aid decision making. The student will learn analysis techniques for verification of systems parameters. (F, Sp)  |
| ISE     | 5023   | Systems Optimization                             | Prerequisite: graduate standing. Introduction to basic systems models and their solution with modern computer packages. Emphasis on modeling, computer solution, and sensitivity analysis with limited reference to model theory and development of algorithmic methods. (F)   |
| ISE     | 5033   | Systems Engineering                              | Prerequisite: graduate standing. The complexities of systems, design, sustainment, and modernization in the context of systems engineering. (Irreg.)   |
| ISE     | 5103   | Intelligent Data Analytics                       | (Crosslisted with DSA 5103) Prerequisite: graduate standing or permission of instructor; ISE 3293 or ISE 5013; CS 1313 or CS 1323. In our society, data is rapidly increasing in volume, velocity, and variety. At the same time computing power and the sophistication of data analysis techniques are increasing. However, even with the expanding capabilities, businesses and organizations often find themselves "data rich, but information poor." Intelligent Data Analysis is a holistic approach to addressing real-world data intensive problems that integrates human intuition with data analysis tools to best draw out meaningful insights. To this end, the course has four underlying themes: defining the Problem, understanding and coping with Data, selecting and using appropriate Analytical Tools, and discovering and communicating the Insight. Techniques covered include data cleansing and pre-processing, exploratory analysis and visualization, dimension reduction, linear and logistic regression, decision trees, and clustering. This course will introduce students to a powerful open source statistical programming language (R) and include extensive hands-on data analysis and team projects. (F) |
| ISE     | 5113   | Advanced Analytics and Metaheuristics            | (Crosslisted with DSA 5113) Prerequisite: ISE 5013, graduate standing or permission of Instructor. Explores advanced techniques for addressing complex optimization problems. Focus is on formulating mathematical models and developing problem solving strategies using methods in the context of Data Science and Analytics. Topics include continuous and combinatorial optimization with an emphasis on both traditional and modern heuristic techniques. (Sp)  |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| ISE     | 5123   | Software Tools-Dec Support                 | Prerequisite: Computer Science 1313 or 1323, or permission of instructor. Covers an integrated set of software tools that is used in development of a wide variety of decision models and support systems. Students will learn Python programming language and several of its major libraries. Applications will be developed in data extraction and processing, and development of statistical, simulation, and optimization models. (Irreg.)  |
| ISE     | 5303   | Computer-Aided Manufacturing               | Prerequisite: 3304 or permission. The course introduces a general understanding of computer applications to machines and processes in manufacturing systems, numerical control principles, computer-assisted n/c programming (apt, g-codes) and rapid prototyping. Machining processes such as volume milling, trajectory milling, and surface milling will be taught using pro/manufacture. Rapid prototyping technologies such as the sla, sls, fdm and 3dp will be introduced. The course will also provide hands-on prototyping experience using the zcorp (tm) 3dp machine. (Irreg.) |
| ISE     | 5313   | Advanced Metal Cutting                     | Prerequisite: 3304 and permission of instructor. Theory of metal cutting or machining. Mechanics and dynamics of metal cutting are discussed with relevance to existing literature. The role of sensors in automation of machining is explored. Laboratory (Irreg.)   |
| ISE     | 5323   | Advanced Productn Systems/Ops              | Prerequisite: ISE 5013, ISE 4333, or by permission. Laws of factory physics that describe the basic behavior of discrete manufacturing systems. Limitations of traditional control approaches (i.e. MRP and DRP). Modern approaches to planning of material and capacity. Differences between push system and pull systems. Theory of constraints. The corrupting effect of variability on a manufacturing system. Operational performance measures. Industry-specific differences in business drivers and system behavior. (Irreg.)  |
| ISE     | 5343   | Reliability in Engr Design                 | Prerequisite: Engineering 3293 or permission of instructor. Probabilistic reliability models for the lifetimes of manufactured components. Structure functions, system reliability calculations, lifetime distributions, models of dependence, parameter estimation, availability, maintainability, burn-in, preventive maintenance. Laboratory (Irreg.)  |
| ISE     | 5363   | Facility Planning/Warehousing              | (Slashlisted with 4363) Prerequisite: 4623. Facility location and layout models, design, analysis, and improvement of warehousing operations, material handling systems in manufacturing and warehousing operations, information technologies for management of operations, supply chain relationships. No student may earn credit in both 4363 and 5363. (Sp)  |
| ISE     | 5383   | Systems Evaluation (Slashlisted with 4383) | (Slashlisted with 4383) Prerequisite: permission of department. Focuses on the development and evaluation of alternate system and process designs. Development of system goals, requirements, and performance measures; ranking of alternatives and decision analysis techniques. Review and development of trade studies. Applications in facility layout, maintenance, supply chain, and other contexts. No student may earn credit for both 4383 and 5383. (F)   |
| ISE     | 5393   | Intro-CAD Tissue Engineering               | Prerequisite: graduate standing or permission of instructor. Designed for graduate and senior undergraduate students in Engineering majors. Describes advanced computer-aided technology for medical implant design and tissue engineering applications. Topics include reverse engineering, biomodeling and layered manufacturing. Course content is delivered through lecture- and laboratory-based hands-on training. (Irreg.)   |
| ISE     | 5523   | Applied Probabilistic Models               | Prerequisite: 4633 or permission of instructor. Review of probability theory, random variables, discrete and continuous distributions, moment generating functions and conditional probability; introduction to Markov chains, Markov processes and renewal theory; applications to queuing theory, inventory systems and reliability models. (Irreg.)  |
| ISE     | 5553   | Data-Driven Decision Making I              | (Slashlisted with 4553) Prerequisite: ISE 3293 or ISE 5013. Fundamentals of statistical models for describing engineering systems and processes. Analysis of variance, multiple regression, logistic regression, time series, clustering. Emphasis is placed on decision making. No student may earn credit for both 4553 and 5553. (F)   |

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| Subject | Number | Title                             | Course Description  |
|---------|--------|-----------------------------------|---|
| ISE     | 5563   | Quality & Reliability Engineering | (Slashlisted with 4563) Prerequisite: ISE 3293 or ISE 5013 and ISE 4553 or ISE 5553. The use of statistical methods for quality control and improvement in product and process environments, as well as introductory applied probability for component and system reliability. Topics include philosophies of quality management, control chart theory and application, process capability, and performance metrics of reliability. Focus is given to decision making in engineering systems. No student may earn credit for both 4563 and 5563. (Sp)         |
| ISE     | 5573   | Stat Analysis-Simulatn Models     | Prerequisite: 4663, and Engineering 3293; or permission. Probabilistic and statistical aspects in the design and analysis of stochastic simulations: random number generation, random variate generation, input modeling, output analysis (including time series models and spectral analysis), ranking and selection and variance reduction techniques. Laboratory (Irreg.)  |
| ISE     | 5613   | Multicriteria Optimization        | Prerequisite: 4623. Survey of developments and applications of theory and methods pertinent to decision making under conflicting criteria. Goal programming and interactive methods for multicriteria mathematical programming will be emphasized with applications. (Irreg.)   |
| ISE     | 5623   | Linear Programming                | Prerequisite: 4623. Introduction to set theory and vector spaces, convexity analysis, special matrices. Properties and solution methods of linear inequalities, Farkas' Lemma, optimality conditions, polyhedral sets and cones. Simplex method, theory of duality, simplex based algorithms, bounded variable and decomposition approaches, sensitivity and parametric analysis, geometrical interpretations, complementary pivot theory. (Irreg.)   |
| ISE     | 5633   | Supply Chain Mgt & Transport      | Prerequisite: graduate standing or by permission. Introduces transportation and supply chain concepts along with the important issues in supply chain system design and operation. Students learn how to formulate and analyze systems models for supply chain systems using information technology skills and decision support systems. (Irreg.)   |
| ISE     | 5643   | Engineering Optimization          | Prerequisite: 4623 or permission. Basic computational tools for solving nonlinear unconstrained and constrained optimization problems arising in engineering practice. Emphasis is on models and methods applicable to problems in engineering design, process operations, control, production planning, manufacturing and management. (Irreg.)   |
| ISE     | 5653   | Engr Network Flow Analysis        | Prerequisite: 5623. Modeling network flow problems, algorithms and computational analysis of networks. Topics include: graph theory, shortest path problems, network flow problems, computer applications. (Irreg.)   |
| ISE     | 5663   | Simulation I                      | Prerequisite: 4663, Engineering 3293 or permission of instructor. Advanced network modeling, continuous modeling, discrete event modeling, animation. (Irreg.)  |
| ISE     | 5673   | Simulation II                     | Prerequisite: 5663. Advanced study of simulation methodology. Provides practical experience in building and running computer simulation models of industrial systems. Utilization of statistical techniques for analyzing the output from a simulation is also emphasized. Addresses discrete event simulation as well as animation. (Irreg.)   |
| ISE     | 5713   | Engineering Project Management    | Prerequisite: ISE 3293 or ISE 5013 or permission of instructor. Review of the various technical and managerial aspects of project management. Introduction to extensions of CPM and PERT. Specific topics include network development and analysis, precedence constraints, resource allocation, time-cost trade-off, heuristics, criticality index, computer applications, design and analysis of engineering projects, and optimization techniques for project scheduling. (Irreg.)   |
| ISE     | 5743   | Mgt of Engineering Function       | Prerequisite: 2823 or graduate standing. Explores major concepts of engineering management and how to apply these concepts in managing the engineering function in an enterprise. Intensive analysis of the specialized problems of engineering organizations which include technical human power. Procedures and design for the control of engineering projects. Specific examples and cases of management problems and experiences are used. A research project is required that involves at least one of the functions of engineering management. (Irreg.) |



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| Subject | Number | Title                                     | Course Description   |
|---------|--------|---|--|
| ISE     | 5753   | Organization Systems                      | Prerequisite: graduate standing or permission. The organization is examined as a complex of subsystems to accomplish production or service objectives. Individuals as members of the subsystems are examined as human factor elements in contributing to the analysis of effectiveness and efficiency of systems. Organizations are viewed from a macro standpoint with emphasis on engineering organizations. Current trends and cases are reviewed with case presentations required. A research project evaluating and organization is required from an engineering management viewpoint. (Irreg.)                                     |
| ISE     | 5813   | Cognitive Engineering and Decision Making | Prerequisite: ISE 4804. Analysis, design, and evaluation of human behaviors and decision making processes in simple and complex systems. Integration of human factors, human computer interaction, and systems engineering. (Sp)   |
| ISE     | 5823   | Exercise Physiology                       | (Crosslisted with HES 5823) Prerequisite: 4824; Zoology 3104 or 3133; Physiology 5016 or 5019; or permission. Advanced study of physiological responses, regulatory mechanisms and adaptations of human performance and health; factors affecting performance and health; and training and evaluative techniques. (F)  |
| ISE     | 5833   | Ergonomics in Safety Research             | Prerequisite: senior or graduate standing and 4824 or 5813 or permission of instructor. Designed to introduce the student to concepts of product liability, workers' compensation, occupational safety and health, and systems safety from both a historical and current standards and practices perspective. Methods of controlling product liability losses and reducing workers' compensation cost are discussed. Safety concepts and methodologies as they relate to large-scale systems design are presented and discussed. (Irreg.)  |
| ISE     | 5843   | Biomechanics                              | (Crosslisted with HES 5843) Prerequisite: 4824 or HES 3843 or permission. Review of muscle, bone and joint structure and function. Review of kinematic and kinetic principles as applied to human movement. Analysis of human movements using film, anthropometric, dynamometer, force platform, electromyographic and performance techniques. Application of human movement analysis to ergonomics, sport and rehabilitation. (Irreg.)  |
| ISE     | 5853   | Data-Driven Decision Making II            | (Slashlisted with 4853) Prerequisite: 4553 and 4804. Experimental methodology for empirical investigation. Includes the development and measurement of empirical hypotheses, designs, performance criteria, and analyses. Techniques for empirical reporting. The measurement of human performance is typically the vehicle used for students in this course. No student may earn credit for both 4853 and 5853. (F)   |
| ISE     | 5863   | Product Usability                         | Prerequisite: Graduate standing or permission of instructor. Theoretical and practical methods of analyzing usability, which include the use of questionnaires and surveys, experimentation, task analysis, and cognitive modeling. Students will learn to justify performing usability studies through cost/benefit analysis and increased customer satisfaction. By the end of the course, students should be able to analyze the usability of a product as well as design products that are more usable. Because of the relationship between usability and quality, the students will learn how to increase product quality. (Irreg.) |
| ISE     | 5960   | Directed Readings                         | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| ISE     | 5970   | Seminar-Industrial Engineering            | 1 to 3 hours. Prerequisite: graduate standing or permission. May be repeated with change of content; maximum credit 12 hours. Special topics in the various fields of industrial engineering, engineering, economy, operations research, ergonomics, production, manufacturing, simulation, engineering statistics and computer systems. (Irreg.)  |
| ISE     | 5980   | Research for Master's Thesis              | Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. (F, Sp, Su)  |
| ISE     | 5990   | Special Studies                           | 1 to 4 hours. Prerequisite: senior standing, permission. May be repeated; maximum credit six hours. (F, Sp, Su)  |
| ISE     | 5999   | Graduate Level Transfer Credit            | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| ISE     | 6623   | Nonlinear Programming          | Prerequisite: 5623. Theory and computational aspects of nonlinear optimization problems. Topics include: applications and problem formulation, convexity, Kuhn-Tucker conditions, duality, quadratic programming, unconstrained optimization techniques, direct search method, penalty function, optimization methods, feasible direction methods, separable programming, geometric programming. (Irreg.)   |
| ISE     | 6643   | Integer Programming            | Prerequisite: 5623. An introduction to the applications and computational techniques available for solving integer programming problems. Topics include: branch and bound, cutting plane methods, Bender's partitioning algorithm, set covering and set partitioning algorithms and knapsack method. (Irreg.)   |
| ISE     | 6663   | Advanced Simulation Topics     | Prerequisite: 5673, or permission of instructor. Advanced simulation topics; simulation language design; special purpose languages, continuous process simulation. (Irreg)  |
| ISE     | 6673   | Support Vector Machines        | Prerequisite: 5623, 5643 or by permission. Develops the foundation of kernel methods and support vector machines and their computer implementations. Applications include current problems in financial engineering and data analysis (including building statistical learning models, managing risk, and solution of large scale machine learning problems), weather prediction, and computational biology. (Irreg.)   |
| ISE     | 6853   | Human Factors-Computer Systems | Prerequisite: 5813 or permission of instructor. Important factors involved in designing the human/computer interface based on established principles of ergonomics, existing guidelines and current research. Topics include: identifying user characteristics, code design, menus, interactive dialog procedures, graphical user interfaces, input and output devices, documentation, training and vdt workplace. Students may be required to make class presentations. (Sp) |
| ISE     | 6933   | Special Topics                 | Prerequisite: graduate standing or permission. May be repeated; maximum credit 12 hours. Evaluation and simulation of various industrial engineering systems emphasizing the system as an integrated structure. (Irreg.)  |
| ISE     | 6960   | Directed Readings              | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| ISE     | 6970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| ISE     | 6980   | Research Doctoral Dissertation | (F, Sp, Su)   |
| ISE     | 6990   | Special Studies                | 1 to 6 hours. Prerequisite: graduate standing. May be repeated; maximum credit six hours. Special problems in the various fields of industrial and systems engineering. Special studies in data analytics, systems modeling and design, computational optimization, logistics and supply chain management, human-system integration, engineering education, advanced manufacturing, or biomedical manufacturing. (F, Sp, Su)  |
| ITAL    | 1115   | Beginning Italian I            | An elementary course in understanding, speaking, reading and writing Italian. Laboratory. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F, Sp) [I-FL]  |
| ITAL    | 1225   | Beginning Italian II           | Prerequisite: 1115. Fundamentals of Italian continued. Laboratory. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F, Sp) [I-FL]   |
| ITAL    | 1999   | Lower Division Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| ITAL    | 2113   | Intermediate Italian           | Prerequisite: 1115. Fundamentals of Italian continued. Laboratory. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F, Sp) [I-FL]   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ITAL    | 2223   | Intermediate Italian Continued                                    | Prerequisite: 2113. Emphasizes advanced reading skills and mastery of grammar. Emphasis on sophisticated vocabulary and understanding of grammatical structures. Literary and cultural texts discussed in oral and essay form. (Sp)  |
| ITAL    | 2970   | Special Topics/Seminar  | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)   |
| ITAL    | 3073   | Italian Conversation  | Prerequisite: 2223. Intensive practice in speaking Italian on topics of everyday life. (Sp)  |
| ITAL    | 3423   | Advanced Italian Composition                                      | Prerequisite: 2223. The inculcation of proper writing habits, at an advanced level, toward the achievement of idiomatic Italian. (F)   |
| ITAL    | 3440   | Mentored Research Experience                                      | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| ITAL    | 3553   | Survey of Italian Literature and Culture I                        | Prerequisite: 2223 or permission. Survey of the history of Italian literature and culture from early development of the Italian language in the 13th century up to the Italian Risorgimento (second half of the 18th century). Students will read selected texts of the Italian literary tradition in order to develop a foundational understanding of literary traditions that have constructed "Italian" identity(ies). Students will also read secondary readings to facilitate an understanding of historical, political, and cultural contexts. (F) |
| ITAL    | 3663   | Survey of Italian Literature and Culture II                       | Prerequisite: 2223 or permission. Survey of the modern history of Italian literature and culture from the Italian Risorgimento to the contemporary period. Introduces students to literary and cultural discourses that define modern Italy, and also secondary readings to facilitate an understanding of historical, political, and cultural contexts. (Sp)  |
| ITAL    | 3960   | Honors Reading  | 1 to 3 hours. Prerequisite: admission to Honors program. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp)   |
| ITAL    | 3970   | Honors Seminar  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| ITAL    | 3980   | Honors Research   | 1 to 3 hours. Prerequisite: admission to Honors program. May be repeated; maximum credit six hours. Provides an opportunity for the Honors candidate to work on a special project in the student's field. (F, Sp)  |
| ITAL    | 3990   | Independent Study   | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)   |
| ITAL    | 3999   | Upper Division Transfer Credit                                    | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| ITAL    | 4513   | Topics in Medieval and Renaissance Italian Literature and Culture | Prerequisite: 3073 or 3423. May be repeated with change of content; Maximum credit nine hours. This course will focus on a particular author, genre, or theme from the origins of Italian literature (1225) through 1550. Students will read primary texts in the original language with an emphasis on understanding the texts through close textual analysis. (Sp)   |
| ITAL    | 4563   | Topics in Modern Italian Literature and Culture                   | Prerequisite: 3073 or 3423. May be repeated with change of content; maximum credit nine hours. This course will focus on an author, genre, or theme present in contemporary Italian literature (1700-Present). Students will read primary sources in the original language with an emphasis on understanding the text through close textual analysis. (F)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| ITAL    | 4630   | Internship                                   | Prerequisite: permission of instructor and junior standing. 1 to 3 hours. May be repeated; maximum credit three hours. For advanced language students studying in Italy as part of the OU in Arezzo program. Students enrolling in this variable credit course will enter into internships with area businesses, local, regional, and national government offices, non-profit organizations, and other local entities. Although the nature of the internships will vary depending on the partners, all internships will have the following requirements: the activities will be performed entirely in Italian; translation from English to Italian will not be the primary role of the intern; the sponsoring partner will provide at least weekly feedback; an OU faculty member will oversee the internship; at minimum students will complete an entrance, mid-term, final interview with the instructor; and a written final report. (F, Sp, Su) |
| ITAL    | 4960   | Directed Readings                            | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| ITAL    | 4970   | Special Topics/Seminar                       | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ITAL    | 4990   | Independent Study                            | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)   |
| ITAL    | 4993   | Italian Geographies                          | Prerequisite: 3423. The term "geographies" broadly encompasses spatial, symbolic, and rhetorical constructions of Italy across centuries. Course is structured around tropes, utopia, regionalism and mobility. Approach will include readings of literary and cultural materials, and will map an abstract geography of connected "Italies" that both informs and gives shape to the discourse of Italian identity. (Sp) [V]  |
| ITAL    | 5999   | Graduate Level Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| JAPN    | 1115   | Beginning Japanese                           | An elementary course in understanding, speaking, reading and writing Japanese. Laboratory. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F) [I-FL]  |
| JAPN    | 1225   | Beginning Japanese (Continued)               | (Continued) Prerequisite: 1115. An elementary course in understanding, speaking, reading and writing Japanese. Laboratory. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (Sp) [I-FL]   |
| JAPN    | 1999   | Lower Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| JAPN    | 2013   | Intermediate Japanese Listening and Speaking | Prerequisite: JAPN 2113 or concurrent enrollment with JAPN 2113. Provides intensive training in listening and speaking in Japanese for students who have taken first year Japanese. Through a systematic review of grammar and vocabulary taught in 1000-level Japanese coursework, develops students' understanding of functional ability to understand and speak Japanese and introduces unique features of Japanese language and culture, including formal and casual speech levels in Japanese. (F, Sp)  |
| JAPN    | 2113   | Intermediate Japanese                        | Prerequisite: 1225. Combination of basic Japanese grammar and vocabulary and their application to spoken and written Japanese. Laboratory (F)  |
| JAPN    | 2223   | Intermediate Japanese (Continued)            | (Continued) Prerequisite: 2113. Develops control of the grammar, vocabulary and idioms of spoken Japanese and provides a thorough introduction to the Japanese writing system as well as some grammatical structures peculiar to written Japanese. Laboratory (Sp)   |
| JAPN    | 2970   | Special Topics/Seminar                       | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)   |

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| Subject | Number | Title                                    | Course Description  |
|---------|--------|--|---|
| JAPN    | 3013   | Advanced Japanese Listening and Speaking | Prerequisite: JAPN 2223 or concurrent enrollment in JAPN 2223. Designed to give intensive training in listening and speaking in Japanese for students who have successfully completed Japanese 2113. Develops students' understanding of functional ability of listening and speaking Japanese. Unique features of Japanese language and culture will be learned, including casual/polite speech, honorifics, giving-receiving verbs, a variety of new forms, such as transitive/intransitive, causative, passive, causative-passive forms. (F, Sp) |
| JAPN    | 3113   | Advanced Japanese I                      | Prerequisite: JAPN 2223. Trains students in advanced Japanese language skills of speaking, listening, reading, and writing and introduces new grammatical forms, vocabularies and expressions. Prepares students to understand Japanese society. (F, Sp)  |
| JAPN    | 3223   | Advanced Japanese II                     | Prerequisite: JAPN 3113 or equivalent. An advanced course in conversation and composition covering cultural topics. Develops listening and speaking skills to communicate orally in authentic Japanese and expands spoken and written vocabulary knowledge. Presenting ideas in speech and composition effectively will be practiced. (Sp)  |
| JAPN    | 3440   | Mentored Research Experience             | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| JAPN    | 3960   | Honors Reading                           | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| JAPN    | 3970   | Honors Seminar                           | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| JAPN    | 3980   | Honors Research                          | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| JAPN    | 3990   | Independent Study                        | 1 to 3 hours. Prerequisite: 2223. May be repeated; maximum credit 12 hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| JAPN    | 3999   | Upper Division Transfer Credit           | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| JAPN    | 4013   | Topics in Japanese Culture               | Prerequisite: JAPN 2223. Offers students an opportunity to perfect their Japanese speaking skill and their understanding of Japanese culture. (F)   |
| JAPN    | 4113   | Japanese Language and Society I          | Prerequisite: JAPN 3223 or JAPN 4543. May be repeated with change of content; maximum credit six hours. Designed to develop the advanced-level proficiency in reading and writing. Authentic reading materials on various topics will be used in combination with discussions, and oral and written reports. Emphasis is placed on strengthening correct usage of grammar and increasing knowledge of Kanji and compound terms using expressions and idioms in Japanese. (F)  |
| JAPN    | 4223   | Japanese Language and Society II         | Prerequisite: JAPN 3223. May be repeated with change of content; maximum credit six hours. An advanced course in conversation and composition covering cultural topics. Develops listening and speaking skills to communicate orally in authentic Japanese and expands spoken and written vocabulary knowledge. Effective presentation of ideas in speech and composition will be practiced. (Sp)   |
| JAPN    | 4543   | Introduction to Classical Japanese       | Prerequisite: JAPN 3223. Students will learn classical Japanese grammar, major Japanese literary texts, as well as Japanese customs in ancient Japan. (Sp)  |

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| Subject | Number | Title                                 | Course Description   |
|---------|--------|---------------------------------------|--|
| JAPN    | 4960   | Directed Readings                     | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| JAPN    | 4970   | Special Topics/Seminar                | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| JAPN    | 4990   | Independent Study                     | Prerequisite: junior standing and permission of instructor. May be repeated with change of content; maximum credit six hours. Contracted independent study on one or more topics not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| JAPN    | 4993   | Senior Capstone in Japanese           | Prerequisite: JAPN 4113. Examines Japanese modern literature with a focus on the questions of Japanese modernity, post-modernity, nationalism, and cultural identity. (Sp)[V]  |
| JAPN    | 5960   | Directed Readings                     | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| JAPN    | 5970   | Special Topics/Seminar                | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| JAPN    | 5990   | Independent Study                     | Prerequisite: Graduate standing and permission of instructor. May be repeated with change of content; maximum credit 12 hours. Contracted independent study on one or more topics not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory and field projects. (F, Sp, Su)  |
| JAPN    | 5999   | Graduate Level Transfer Credit        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| JMC     | 0123   | Fundamentals of Writing for the Media | Emphasis will be on fundamentals of writing technique for journalists and other communicators, with a minimum of thirty writing assignments, most in a timed laboratory environment, but some on a take-home basis. Examination of information, logical arrangement of facts, and straightforward, literate writing of the material to prescribed length will be taught. Special attention given to fundamentals in grammar and syntax. Not acceptable for degree credit at the University of Oklahoma. Laboratory (F, Sp) |
| JMC     | 1013   | Introduction to Media                 | Development, scope, functions and information resources of mass media, emphasizing the role of professionals in solving contemporary problems in the mass media. (F, Sp) [I-O]   |
| JMC     | 1999   | Lower Division Transfer Credit        | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| JMC     | 2033   | Media Writing & Storytelling          | Prerequisite: 1013 or concurrent enrollment; passage of the school's writing skills test, and permission of instructor. Introduction to journalistic writing: the expository and persuasive formats; supervised practice in writing for the print, broadcast and photographic media; study of professional demands of organizing and presenting information in the various media. Laboratory (F, Sp)   |
| JMC     | 2623   | Electronic Media Writing              | Prerequisite: 1013, 2033. Introduction to the various styles of writing used in broadcast and electronic media including narrative, promotional, news and documentary. (F, Sp)   |
| JMC     | 2644   | Introduction to Video Production      | Prerequisite: 1013. Provides an overview of both studio and location video production. Lecture, labs and self-paced study will examine production, writing and performance concepts and applications. (F)  |
| JMC     | 2683   | Survey of Electronic Media            | Prerequisite: 1013. Conceptual overview of electronic media in both the national and international contexts. Course will cover technology, history, ethics, regulation, programming, diversity, advertising, management and production. (F, Sp)  |

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| Subject | Number | Title                                | Course Description  |
|---------|--------|--------------------------------------|---|
| JMC     | 2970   | Special Topics                       | 1 to 3 hours. Prerequisite: sophomore standing. May be repeated with change of content; maximum credit nine hours. Deals with content and concepts not usually offered in regular coursework and/or special creative situations or projects. (Irreg.)   |
| JMC     | 3003   | Multimedia Journalism                | Prerequisite: 2033. Introduces concepts and practices necessary for working in a multi-platform media environment. Provides instruction in the use of photographs, graphics, audio, video and the written word to create stories and content for print, broadcast and online media. (F, Sp, Su)   |
| JMC     | 3011   | Practicum                            | Prerequisite: permission of instructor. May be repeated; maximum credit three hours, two hours may be in the same area. Sections include The Wire, tv programming and operations, Oklahoma Daily, radio station KGOU, OUNightly News, the Sooner Yearbook student staff members, and other JMC major co-curricular opportunities. Discussion and analysis of current problems. (F, Sp, Su)  |
| JMC     | 3013   | Multimedia News Gathering            | Prerequisite: 2033, 3003. Development of practical and professional methods of gathering news and information, including exercising news judgment, initiating story ideas, conducting research and interviewing, and producing news content for print, broadcast and online media. (F, Sp, Su)  |
| JMC     | 3023   | Feature Writing                      | Prerequisite: 2033 and 3003. Recognition and development of ideas for feature stories for various media. Instruction in background research and interviewing methods, writing and rewriting to develop an individual writing style. Students research, write and rewrite a minimum of eight feature stories. (Irreg.)   |
| JMC     | 3043   | Community Journalism                 | Prerequisite: 2033. The meaning of community is evolving with the importance of new media in the cultural mix. While geographical communities continue to define media consumers, so do online communities, ethnic and racial communities, gender communities and other ways of grouping together to find and exchange relevant information through the media. Explores a variety of forms of community journalism from its roots in the small town newspapers that have provided a verbal/visual town square for centuries to current redefinitions of the concept of community and the media manifestations of those redefinitions. (F, Sp) |
| JMC     | 3063   | Introduction to Broadcast Journalism | Prerequisite: 2033 and 3003, or concurrent enrollment or permission. Introduction to the professional standards, vocabulary, processes, and newsroom organization of broadcast news. Focus is on learning how a broadcast newsroom functions and the collaboration needed to create a productive and efficient newsroom environment. (F, Sp, Su)  |
| JMC     | 3083   | Business of Media                    | Prerequisite: 2033 and completion of OU Math requirement. Explores the dual purpose of news and information media - the public service ethic rooted in journalism values and the financial interest rooted in business - and how the values of journalism co-exist and conflict with the values of business. (F, Sp)  |
| JMC     | 3103   | News Editing                         | Prerequisite: 2033, 3003. Work on newspapers, including correction of errors of fact and expression. The factors considered in selection of news. Good taste in editing copy; avoidance of libel; headline writing; techniques of copy control; newspaper makeup and arrangement. Laboratory (F, Sp)  |
| JMC     | 3143   | Basic News Photography               | Prerequisite: 2033. Basic photographic skills needed to produce photographs suitable for newspaper and magazine publication. Content includes 35mm photography, darkroom techniques, news judgment, ethics, privacy issues, crime scene, courtroom and government protocol. 35mm camera required. Laboratory (F)  |
| JMC     | 3153   | Magazine Industry and Issues         | Prerequisite: 2033. Examines development of the magazine industry and its current state, including ethical and legal issues and the impact of e-zines. Explores the trend toward niche magazines - including the strong ethnic/minority niche - and the specific requirements of magazine journalism, design and production. (F, Sp)  |
| JMC     | 3303   | Introduction to Advertising          | Prerequisite: 1013, 2033 or permission. Survey of the field of advertising and career areas within the field with emphasis on the relationship between marketing and advertising and the media which serve as channels of advertising communication. (F)  |

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| Subject | Number | Title                                  | Course Description  |
|---------|--------|--|---|
| JMC     | 3333   | Advertising Research                   | Prerequisite: 1013, 2033, 3303. Introduction to concepts of research. Survey and use of secondary and primary data sources as basis for formulating basic advertising plans, including advertising and communications goals and objectives. (Sp)  |
| JMC     | 3353   | Advertising Copy and Layout            | Prerequisite: 1013, 2033, 3303 or permission. Principles and their application in advertising design and copywriting. Stress on the analysis of appropriate appeals and the development of advertising concepts to convey these through the various media. Emphasis on practice in making rough layouts and writing finished copy. Laboratory (Sp)  |
| JMC     | 3363   | Advertising Media                      | Prerequisite: 1013, 2033, 3303. Characteristics of the major advertising media. Problems of rates, coverage and costs of using various media mixes. Emphasis on the planning of the media schedule and its relationship to the creative strategy. (F)   |
| JMC     | 3393   | Advanced Copywriting                   | Prerequisite: 1013, 2033, 3303, 3333, 3353. Extended practice in application of creative copy principles for major advertising media including newspapers, magazines, radio and television. (Irreg.)  |
| JMC     | 3413   | Introduction to Public Relations       | Prerequisite: 1013, 2033. The history, scope, ethics and functions of public relations. Particular attention given to ways of gaining public support for an activity, cause, movement or institution. (F, Sp)   |
| JMC     | 3423   | Public Relations Writing               | Prerequisite: 1013, 2033, 3413. Fundamentals and practice in preparation of public relations copy for various media and channels, including news and feature stories, photo captions, public service broadcasts and telecasts, viewbooks, annual reports, plans-programs memos, speeches, letters and direct mail materials. Techniques in dealing with management and various publics, including the news media. Laboratory (Sp)   |
| JMC     | 3433   | Public Relations Publications          | Prerequisite: 1013, 2033, 3413, 3423. Planning, writing and producing company and institution magazines with special emphasis on design, layout and content. Laboratory (F)   |
| JMC     | 3440   | Mentored Research Experience           | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| JMC     | 3504   | Introduction to Professional Writing   | Prerequisite: JMC 1013, JMC 2033, JMC 3011 or concurrent enrollment in JMC 3011, and instructor permission. Basic theory, orientation and fundamental techniques of fiction writing. (F, Sp)  |
| JMC     | 3534   | Professional Writing: Magazine Writing | Prerequisite: 1013, 2033, 3023 or 3504. Research, preparation, technical devices, marketing of the nonfiction article or book. Study of current trends, with emphasis on magazine nonfiction. (Irreg.)  |
| JMC     | 3613   | Electronic Field Production            | Prerequisite: 2033, 2644 and/or 2623 or concurrent enrollment. Single-camera field production. Studies in methods for visual storytelling with electronic media. Students learn to gather, evaluate and post-produce content for traditional and emerging new media. (F, Sp)  |
| JMC     | 3633   | Audio Production                       | Prerequisite: 1013, 2033. Studies in audio technology, recording techniques and technology, audio for television, film, radio and other distribution technologies. The study of processes including foley, synchronization, live mixing, talent microphone techniques, and audio engineering. Production of multiple audio elements for a variety of applications including news, advertising, promotion and others. (F, Sp)  |
| JMC     | 3653   | Radio News                             | Prerequisite: 2033 and 3003 or 2623. Study and practice of writing, editing and preparation of radio newscasts. Laboratory (F)  |
| JMC     | 3663   | Electronic News Gathering Techniques   | Prerequisite: 2033 and 3003. The history, theory and application of electronic news gathering techniques. Students learn to gather audiovisual information, evaluate it, edit it, and prepare the data for distribution through traditional and emerging news media. (F, Sp)  |
| JMC     | 3673   | Radio-Television Sales                 | Prerequisite: 1013 and 2033. Interpretation of sales, market and media data used in making sales presentations on behalf of radio and television media. Emphasis is on creative use of these data regarding sales problems. (Irreg.)  |



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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| JMC     | 3683   | Interactive Multimedia         | Prerequisite: 2033 and 3003 or permission of instructor. Description and history of interactive multimedia. Students explore current uses of these new technologies and receive instruction in practical application. Students conceive and design iam programs, incorporating computer graphics, text, animation, audio and video. (F, Sp)   |
| JMC     | 3703   | Photojournalism                | Prerequisite: 3143. Assignments include preparation of portfolio involving techniques to add interest to photographic content and two photo stories submitted for sale to news and magazine editors. Laboratory (Irreg.)  |
| JMC     | 3713   | History of Motion Media        | Prerequisite: 2644 and 2683, or permission of instructor. History and development of film, television and emerging media as a communication medium. Varied critical perspectives are offered; exemplary media presented, preceded by lectures on history and technique, followed by discussion periods. (Irreg.)  |
| JMC     | 3723   | Introduction to Documentary    | Prerequisite: 1013 and 2644, or permission of instructor. History and development of the documentary medium. Varied perspectives are offered; exemplary films and videos are presented, preceded by lectures on history and technique. Includes discussion periods and practice. (Irreg.)   |
| JMC     | 3753   | Electronic Media Criticism     | Prerequisite: 1013, 2033. Offers basic skills to interpret the role that internet, video, film and audio play as a cultural force in society. Students will learn to become critical analysts of media texts. (Sp)  |
| JMC     | 3763   | Visual Writing and Aesthetics  | Prerequisite: 2033, 2644. Course covers how shots and their sequencing communicates specific messages to audiences. Focus is on writing short-form dramatic scripts. Students, using visual language as a basis, will script a television series or a number of short films. (F, Sp)  |
| JMC     | 3773   | Television News                | Prerequisite: 3003, 3013, 3063 and 3663. Television news principles and practice in use of ENG (electronic news gathering), editing of video tape stories and preparation of television news programs. Laboratory (F, Sp)   |
| JMC     | 3800   | Internship                     | 2 or 3 hours. Prerequisite: 3.00 grade point average required with a total of 75 semester hours completed of which 15 semester hours are required in JMC. Variable Credit, student may choose 2 or 3 credit hours. May be repeated; maximum 6 credit hours. Participation in supervised intern experience; grade of S or U based on work performance, regular reports, on-site supervisor evaluation. (F, Sp, Su) |
| JMC     | 3960   | Honors Reading                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of content; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program; covers materials not usually presented in regular courses. (F, Sp, Su)  |
| JMC     | 3970   | Honors Seminar                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of content; maximum credit six hours. Projects vary; deal with concepts no usually presented in regular coursework. (F, Sp, Su)  |
| JMC     | 3980   | Honors Research                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of content; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| JMC     | 3990   | Independent Study              | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content; maximum credit six hours. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| JMC     | 3999   | Upper Division Transfer Credit | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| JMC     | 4013   | Reporting Public Affairs       | Prerequisite: 3003 and 3013 or graduate standing. Coverage of government news at the local level with special attention on court procedures, assessments, taxes, budgets and current city, county, state and school problems. Practical experience on city hall and courthouse assignments. (F)   |

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| Subject | Number | Title                                | Course Description  |
|---------|--------|--------------------------------------|---|
| JMC     | 4033   | Magazine Production                  | Prerequisite: 3003 and 3153. Focuses on the overall business structure of the magazine industry and how to create a business plan for a magazine start up. Explores the creative side of magazine, creating a magazine prototype that accompanies the publication's business plan. The class focuses on what is required to take a magazine from concept to sustainable circulation. No student may earn credit for both 4033 and 5033. (F, Sp)   |
| JMC     | 4043   | Reporting in Specialized Fields      | Prerequisite: 3003 and 3013. Emphasis on writing stories - how to plan, report, write and edit in-depth enterprise stories. Gain knowledge in story forms, including news, feature, investigative, trend profile and narrative, with emphasis on depth of reporting and complexity of theme, material and structure. No student may earn credit for both 4043 and 5043. (F, Sp)   |
| JMC     | 4103   | Mass Communication Technology        | (Slashlisted with 5103) Prerequisite: upper-division standing. An examination of new communication technologies and their impact on the mass communication industry and on society, in the framework of the information revolution. Topical areas include the electric revolution, print and broadcasting technologies, communication satellites and computers and their convergence, interactive communication systems, electronic age, and international impacts. No student may earn credit for both 4103 and 5103. (Sp)           |
| JMC     | 4123   | Media Theories                       | Prerequisite: junior standing and twelve hours of journalism credit. Introduction to theories and theoretical concepts in media, including an overview of the theoretical approaches to understanding media uses, media effects, influences on media content, and the functions of media in societies and cultures. (F, Sp)   |
| JMC     | 4183   | Advanced Multimedia Journalism       | Prerequisite: 3003, 3013, any two skills streams, or permission of instructor. Advanced instruction in multimedia journalism, with focus on producing news and information content using text, photography, audio and video for a web-based product. No student may earn credit for both 4183 and 5183. (F, Sp)   |
| JMC     | 4193   | Principles of Media Entrepreneurship | (Slashlisted with 5193) Prerequisite: JMC 1013 and JMC 2033. An in-depth examination of media entrepreneurship and distribution in the digital age. Students will learn how to create their own company, design a business plan, create budgets, and find financial backers and sponsors. Current approaches to marketing and distributing media products of various forms to the media industry will also be explored. No student may receive credit for both 4193 and 5193. (F, Sp, Su)   |
| JMC     | 4223   | Digital Advertising                  | (Slashlisted with 5223) Prerequisite: JMC 1013, JMC 2033 and JMC 3033. Recognizing the growing importance of newly emerging forms of advertising/promotions using non-traditional or alternative media, this course is designed to explore a new view of advertising in the current marketing/media environments. Along with learning the traditional advertising theories, students will understand how to effectively measure the use of interactive advertising media. No student may earn credit for both 4223 and 5223. (Irreg.) |
| JMC     | 4233   | Advertising Portfolio                | (Slashlisted with 5233) Prerequisite: 1013, 2033, 3303, 3353. Designed for students interested in advertising copywriting, art direction, account planning, advertising media, and advertising account management. Students will learn how to create an advertising portfolio by exploring all aspects of portfolio creation and strategies for marketing it to real professionals. No student may earn credit for both 4233 and 5233. (Irreg.)   |
| JMC     | 4243   | Strategic Fashion Communication      | (Slashlisted with 5243) Prerequisite: 1013, 2033, 3303, 3413. Offers both a critical and practical exploration of the fashion communication business covering the complete cycle of the fashion industry from the concept and production stages to marketing campaigns, product sales, and events planning. Focusing on the lifecycle of the fashion brand. No student may earn credit for both 4243 and 5243. (Irreg.)   |
| JMC     | 4253   | British Media Studies                | (Slashlisted with 5253) Prerequisite: JMC 1013, JMC 2033, and permission of instructor. Critical analysis of the products of the media and the impact that the British media have upon their and our culture. Students will gain the ability to understand similarities and differences in British and American media cultures. No student may earn credit for both 4253 and 5253. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| JMC     | 4263   | British News Media Systems                               | (Slashlisted with 5263) Prerequisite: junior standing and permission of instructor. Examines the structure, role, history and future of the news media in the United Kingdom and Europe. Covers print, broadcast, and web-based news media, with particular emphasis on broadcast/journalism and the current challenges it faces. There will be site visits to advertising and public relations agencies. Students will learn about the role of public service media in the U.K. as well as more market-based media. Explores how U.S. media companies operate outside their home country and the issues they face. No student may earn credit for both 4263 and 5263. (Irreg.) |
| JMC     | 4273   | Communicating Culture Tourism Media: Concepts and Theory | (Slashlisted with 5273) Prerequisite: JMC 1013, JMC 2033 & JMC 3413 & permission from instructor; corequisite JMC 4283. Through an immersion experience in an international location, students will analyze the cultural traditions and history of modern travel media. Studies include the major contexts and motives of tourism, as well as the foundations of contemporary forms of travel media. No student may earn credit for both 4273 and 5273. (Irreg.)  |
| JMC     | 4283   | Communicating Culture Tourism Media: Travel Genres       | (Slashlisted with 5283) Prerequisite: JMC 1013, JMC 2033, JMC 3413 & permission of instructor; corequisite JMC 4273. Through an immersion experience in an international location, this course will teach students the elements of narrative storytelling for media, and give them opportunities to hone and develop their individual writing styles through applied assignments. Students will gain the strategic and applied skills for feature-style writing that will allow them to produce media that meet professional standards. No student may earn credit for both 4283 and 5283. (Irreg.)   |
| JMC     | 4303   | International Advertising                                | (Crosslisted with MKT 4303; Slashlisted with 5303) Prerequisite: 3303. May be repeated with change of subject matter; maximum credit six hours. Designed to provide basic understanding of advertising and culture that applies to advertising in non-American locations. No student may earn credit for both 4303 and 5303. (Irreg.)   |
| JMC     | 4323   | Advertising Account Planning                             | (Slashlisted with 5323) Prerequisite: 3303. Discussion and practice of the advertising agency function of representing the target audience. Emphasis on learning to think like a consumer. Incorporates creativity, market research, consumer behavior and critical thinking to help in understanding target audiences. No student may earn credit for both 4323 and 5323. (F)  |
| JMC     | 4333   | Contemporary Problems in Advertising                     | (Slashlisted with 5333) Prerequisite: 1013, 2033, 3303, 3333. Survey of contemporary problems in advertising, including current social and economic criticisms, legal and self-regulation problems, and agency and media-related problems. No student may earn credit for both 4333 and 5333. (F)   |
| JMC     | 4343   | Advertising Campaigns                                    | Prerequisite: 1013, 2033, 3303, 3333, 3353, 3363 and senior standing. This is the senior capstone course for the advertising sequence. Working as members of competitive advertising agency teams, students research, plan, develop marketing, creative and media strategy and make formal presentations to a major client for a complete advertising campaign. Laboratory (F, Sp) [V]  |
| JMC     | 4353   | Cinematography   | (Slashlisted with 5353) Prerequisite: JMC 1013, 2033 and JMC 2644. Students will learn to use light, camera and color correction to craft moving images, create mood and tell stories. Students will also gain an understanding of seminal cinematographers from around the world, their work and aesthetic sensibilities. No student may receive credit for both 4353 and 5353. (F, Sp)  |
| JMC     | 4403   | Public Relations Campaigns-Capstone                      | Prerequisite: 1013, 2033, 3413, 3423, 3433. Capstone course for the Public Relations sequence. Detailed analysis of current case studies in the planning, execution and evaluation of public relations programs and projects, including practical work in the field. Emphasis given to fact finding, researching publics, setting objectives, planning the program/project, execution and evaluation. (Sp) [V]  |

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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| JMC     | 4413   | Crisis Communication                      | Prerequisite: 3413 or instructor permission. Examine strategic communication practices throughout the three stages of a crisis event. Special emphasis is placed on crisis planning, media relationships, image restoration, ethical responses, and organizational learning. No student may earn credit for both 4413 and 5413. (F, Sp)   |
| JMC     | 4423   | Public Relations Case Studies             | (Slashlisted with 5423) Prerequisite: 1013, 2033, 3413. Designed to demonstrate how to apply public relations theory to a wide range of possible situations. Requires the student to adapt the communications and PR models learned in the public relations principles course to a number of case studies and problems. No student may earn credit for both 4423 and 5423. (Irreg.)   |
| JMC     | 4433   | Sports Public Relations                   | (Slashlisted with 5433) Prerequisite: 1013, 2033, 3413. A study of public relations as it is practiced in the sports industry featuring guest and video presenters representing various sports publicity, promotion and public relations positions. Includes representatives of newspaper, television, and radio sports departments. No student may earn credit for both 4433 and 5433. (Irreg.)  |
| JMC     | 4443   | Financial Public Relations                | (Slashlisted with 5443) Prerequisite: 3413. Instruction and practice designed to develop an understanding of the investor relations function in public relations activity for corporations. Study of the stock market, the roles of the principal players on Wall Street and relevant regulatory powers. Analysis of annual reports and how they are produced as well as financial statements and communication efforts aimed at investors and the news media. No student may earn credit for both 4443 and 5443. (Irreg.)  |
| JMC     | 4453   | Public Relations Research                 | (Slashlisted with 5453) Prerequisite: 3413. To build skills in the use of various public relations research methodologies available for exploratory, evaluation, and management assessment of programs. No student may earn credit for both 4453 and 5453. (Sp)   |
| JMC     | 4463   | Public Relations Management               | Prerequisite: 3413 or graduate standing. Theory and concepts of public relations as a management function. Emphasis on practical applications and case studies. Topics explored, in seminar fashion, include social and organizational contexts of public relations management, systems and strategies for planning, implementing and evaluating public relations activities, and tasks involved in public relations management. (F, Sp)  |
| JMC     | 4473   | Social Media Marketing                    | (Slashlisted with 5473) Prerequisite: junior standing; majors only; JMC 1013, JMC 2033 and JMC 3413. Social Media Marketing explores the most effective marketing strategies and tactics used by brands to engage with consumers on each social media platform. You'll study best practices in social media marketing and apply them to the eight-step social media-planning model to construct an extensive real world social media marketing plan for a client. No student may receive credit for both 4473 and 5473. (F, Sp, Su)   |
| JMC     | 4483   | Global and International Public Relations | (Slashlisted with 5483). Prerequisite: JMC 1013, JMC 2033 and JMC 3413. Investigate current issues in global public relations practice. Students will examine how political, socio-economic, cultural, and historical particularities, together with pop culture, influence modern public relations practice. Students will also learn what role the social media plays in shaping global public relations strategies, as well as what role globalization plays in shaping strategic communication messages on international markets. No student may receive credit for both 4483 and 5483. (F, Sp, Su) |
| JMC     | 4503   | Tutorial in Writing                       | Prerequisite: 1013, 2033, 3504, 3514 and permission. May be repeated once for credit; maximum credit six hours. May accompany 3514 with permission. Individual conferences devoted entirely to preparation, criticism, editing and preparation for marketing of the student's original manuscript, both fiction and nonfiction. (F, Sp)   |
| JMC     | 4514   | Writing the Novel                         | Prerequisite: 1013, 2033, 3504 and 3514; or permission. May be repeated; maximum credit eight hours. Analysis of the practical creative problems involved in writing novels. Instruction in specific approaches and techniques useful in plotting, characterization, setting, scene, etc. Supervised writing of a novel by each student. (F, Sp)  |

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| Subject | Number | Title                                    | Course Description   |
|---------|--------|--|--|
| JMC     | 4524   | Writing the Short Story                  | (Slashlisted with 5524) Prerequisite: majors only; JMC 1013, JMC 2033, JMC 3504 and permission of instructor or department. Techniques and theory of fiction writing and plots, with emphasis on current American short stories. No student may earn credit for both 4524 and 5524. (F, Sp)  |
| JMC     | 4533   | Mystery Writing                          | (Slashlisted with 5533) Prerequisite: JMC 3504. A survey and discussion of the various popular forms that are used in the creation of commercial crime stories in fiction and film. This look at the most popular forms of crime writing and their rationales has the intention of allowing students to develop their own crime writing projects to better fit the prevailing markets. No student may earn credit for both 4533 and 5533. (F, Sp)  |
| JMC     | 4543   | Sci-Fi & Fantasy Writing                 | (Slashlisted with 5543) Prerequisite: JMC 3504. Although most people lump science fiction and fantasy stories together, these two genres are worlds apart. This course will help you expand your understanding of the two areas by focusing on world building, tech, and magic as well as potential societal differences. Sci-Fi & Fantasy Writing allows participants to dig more deeply into genres they wish to explore. No student may earn credit for both 4543 and 5543. (F, Sp)   |
| JMC     | 4563   | Category Fiction                         | (Slashlisted with 5563) Prerequisite: 3504 and 3514, or permission of instructor. May be repeated once with change of content; maximum credit six hours. In-depth study of current popular fiction genres and techniques used by category authors. Discussion of books in terms of fiction devices and application of such techniques to student's own work. No student may earn credit for both 4563 and 5563. (F)  |
| JMC     | 4573   | Theories of Professional Writing         | (Slashlisted with 5573) Prerequisite: majors only; JMC 3504. Study of significant theories of the writing process, the motivation to write, and intended effects of writing. Students will address aesthetics, philosophy and values relating to careers in writing. No student may earn credit for both 4573 and 5573. (F, Sp)  |
| JMC     | 4583   | Romance & Suspense Writing               | (Slashlisted with 5583) Prerequisite: JMC 3504. These two genres exist independently of each other, yet can blend to make a hybrid that remains a highly successful type of story. This course will illustrate the core values of Romance and Suspense, touching on the various subgenres of each, then show participants how to use those core elements to create romantic suspense stories. Romance & Suspense Writing allows interested participants to gain a more rounded knowledge of each genre so that they can write in either field or combine the two. No student may earn credit for both 4583 and 5583. (F, Sp) |
| JMC     | 4593   | Young Adult Fiction Writing              | (Slashlisted with 5593) Prerequisite: JMC 3504. Young adult fiction is a thriving sector of the book industry. This class deconstructs the state of the young adult market and uses current award winners and bestsellers as models of aspects of story such as characterization, world-building, plotting and voice. Students learn how to position their work in a booming market and discover how writing young adult fiction is similar to and different from writing for adults. No student may earn credit for both 4593 and 5593. (F, Sp)   |
| JMC     | 4603   | Business of Professional Writing         | Prerequisite: JMC 4573 & Senior Standing. The capstone course should reflect the culmination of the student's training in writing technique and craftsmanship and demonstrate the student's ability to apply such knowledge in his or her own writing. Furthermore, the student should show awareness of the marketplace and what constitutes work that is commercial, professional, and saleable. (F, Sp) [V]   |
| JMC     | 4623   | Producing and Directing for Multi-Camera | (Slashlisted with 5623) Prerequisite: 2644. Covers the techniques of multi-camera for studio and/or location production. Preparatory, practical, technical, and theoretical issues regarding pre-production, production, and directorial work for live television. No student may earn credit for both 4623 and 5623. (Irreg.)   |

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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| JMC     | 4633   | Advanced Video Production                 | (Slashlisted with 5633) Prerequisite: 2033, 3613. May be repeated once; maximum credit six hours. Advanced single-camera class. Units on aesthetics, lighting, visualization, post-production and the integrations of sound. Intensive practice and skill development in television production techniques. No student may earn credit for both 4633 and 5633. Laboratory (F, Sp)  |
| JMC     | 4643   | Advanced Audio Production                 | (Slashlisted with 5643) Prerequisite: 2623, 3633. Advanced study of the technology, capabilities and utilization of audio media. Units on advanced audio techniques for radio, television and film. Intensive practice and skill development in audio production techniques. No student may earn credit for both 4643 and 5643. Laboratory (Irreg.)   |
| JMC     | 4653   | Issues And Ethics In Electronic Media     | Prerequisite: 90 hours including twelve hours of Journalism and Mass Communications courses. Capstone course for Broadcasting and Electronic Media. Identification, examination, and analysis of current and ethical issues affecting media and media industries. Course content varies. (Sp) [V]   |
| JMC     | 4673   | Advanced Broadcast News                   | (Slashlisted with 5673) Prerequisite: 3013 and 3773. Study of current requirements for and practice of public affairs programming, including news. Evolution of broadcast documentary form; writing, filming, editing techniques; budgeting and scheduling; actual preparation of public affairs programs of various types with emphasis on the extended-length news documentary. No student may earn credit for both 4673 and 5673. Laboratory (Sp)  |
| JMC     | 4683   | Multimedia Content Management             | (Slashlisted with 5683) Prerequisite: 3013 and 3683. Examines working with media content in a variety of formats such as text, audio, video, photography and graphics, for online media. Instruction and practice in editing designing, presenting, and managing news and information content for online media. No student may earn credit for both 4683 and 5683. (F, Sp)  |
| JMC     | 4693   | Broadcast and Electronic Media Management | (Slashlisted with 5693) Prerequisite: 1013, 2033, 2683. Operational and organizational management of media technologies in broadcast, corporate communications, internet and other media-based industries. Includes discussion of legal, human resource, economic and policymaking issues. No student may earn credit for both 4693 and 5693. (Irreg.)  |
| JMC     | 4734   | Film Script Writing                       | Prerequisite: 2033, 3504 or permission. May be repeated; maximum credit eight hours. Analysis of practical creative problems in writing the feature length narrative screenplay. Instruction in specific approaches and techniques including outlining, the three-act structure, format, dialogue, and characterization. Supervised writing of an original screenplay by each student. (Sp)   |
| JMC     | 4753   | Documentary Research and Writing          | (Slashlisted with 5753) Prerequisite: 2644, 3723 or concurrent enrollment or permission. Covers the preparation of a documentary from both practical and critical/theoretical directions. Focuses on research, writing and submission of documentary proposals, and practical writing exercises. No student may earn credit for both 4753 and 5753. (F)   |
| JMC     | 4763   | Documentary Producing and Directing       | (Slashlisted with 5763) Prerequisite: 4753. Emphasis is on the production and post-production phases of producing a documentary and developing the necessary skills. These include camera, lighting, sound recording, styles of visual coverage, interviewing, etc. The post production skills may include editing sound, visuals, writing and recording narration and voice over tracks, along with titles and graphics to complete a documentary. Students will shoot and complete a documentary project. No student may earn credit for both 4763 and 5763. (Sp) |
| JMC     | 4773   | Post Production and Graphics              | (Slashlisted with 5773) Prerequisite: 3613. Practice and understanding of the aesthetic and technical applications of digital editing and design. Advanced non-linear editing techniques, DVD creation, graphic design, soundtrack creation, and compositing are covered in the context of fiction and non-fiction visual storytelling. No student may earn credit for both 4773 and 5773. (F, Sp)  |

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|---------|--------|-----------------------------------|--|
| JMC     | 4793   | Broadcast Advertising Production  | (Slashlisted with 5793) Prerequisite: 2623 and 3613, or permission of instructor. Addresses all the major stages of creating broadcast advertising messages from research and development of scripts through production, post production and final presentation. Emphasis will be placed on working in teams to create commercial messages. No student may earn credit for both 4793 and 5793. (Irreg.)  |
| JMC     | 4803   | History of Media                  | Prerequisite: junior standing and twelve hours of Journalism credit hours. European background and development of the colonial press. Emergence of the partisan and penny newspapers. Evolution of personal and independent journalism. Major trends in printed and other communication media in the twentieth century. (F, Sp)  |
| JMC     | 4813   | Media Law                         | Prerequisite: ninety hours, including thirteen hours of journalism and mass communication. Capstone course for the Journalism sequence. Examines the principles by which the media exercise their public functions and fulfill the mission of the First Amendment. Areas studied include: the right to know, truth and fairness, responsibility, libel, privilege, fair comment, privacy, contempt, copyright, regulation of advertising and the rules, regulations and industry codes which affect the broadcast media. (F, Sp) [V] |
| JMC     | 4833   | Journalism Ethics                 | (Slashlisted with 5833) Prerequisite: junior standing and twelve hours of journalism and mass communication courses. Press criticism; organizational performance; reportorial performance; print/broadcast distinctions. No student may earn credit for both 4833 and 5833. (F, Sp)  |
| JMC     | 4853   | Race, Gender and the Media        | (Slashlisted with 5853) Prerequisite: junior standing and twelve Journalism and Mass Communication credit hours. Survey of past and present relationships between women and racial and ethnic minorities in the U.S. and the media. Media portrayal, employment, ownership and access will be studied. No student may earn credit for both 4853 and 5853. (Sp)   |
| JMC     | 4863   | Journalism, Ethics and Democracy  | Prerequisite: 90 hours, including 24 hours in Journalism. Journalism Capstone course that immerses majors in a conceptual examination of the crucial role of news professionals in a participatory democracy. Emphasizes freedom of speech and press, ethical principles, the watchdog function of journalism, and social and professional responsibilities of journalists in an age of rapidly changing media forms. (F, Sp) [V]  |
| JMC     | 4903   | Client-Based Production           | (Slashlisted with 5903) Prerequisite: 4633 or permission of instructor. Students work on actual client projects. The class simulates a production house operation. Working in teams, students are responsible for budgeting, working with clients, scripting, shooting, editing and follow-through on the project. No student may earn credit for both 4903 and 5903. (F, Sp)  |
| JMC     | 4913   | Dramatic Series/Short Productions | (Slashlisted with 5913) Prerequisite: 3763 and 4633. Focuses on the production of dramatic narrative content appropriate for electronic media distribution. Includes concepts used in the development of serial storytelling and short focused productions. No student may earn credit for both 4913 and 5913. (F, Sp)   |
| JMC     | 4960   | Directed Readings                 | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| JMC     | 4970   | Special Topics                    | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. Varied projects with experimental, innovative and creative approaches, to communicating through the mass media. (Irreg.)   |
| JMC     | 4990   | Independent Study                 | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department; 3.00 grade point average on all college work. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| JMC     | 5001   | Professional Practices  | Prerequisite: graduate standing and permission. May be repeated with change of content; maximum credit six hours. Discussion and practice in specialized skills related to news and information, strategic communication, or media arts. (F, Sp)  |
| JMC     | 5033   | Magazine Production   | Prerequisite: graduate standing and permission of instructor. Focuses on the overall business structure of the magazine industry and how to create a business plan for a magazine start up. Explores the creative side of magazine, creating a magazine prototype that accompanies the publication's business plan. The class focuses on what is required to take a magazine from concept to sustainable circulation. No student may earn credit for both 4033 and 5033. (F, Sp)                                      |
| JMC     | 5043   | Reporting for Specialized Fields                                | Prerequisite: graduate standing and permission of instructor. Emphasis on writing stories - how to plan, report, write and edit in-depth enterprise stories. Will gain knowledge in story forms, including news, feature, investigative, trend profile and narrative, with emphasis on depth of reporting and complexity of theme, material and structure. No student may earn credit for both 4043 and 5043. (F, Sp)   |
| JMC     | 5063   | Readings in Mass Communication                                  | Prerequisite: graduate standing and permission. Exploration of key works defining the field of mediated communication. Students will examine an area of inquiry of interest to them in depth through readings, discussion, and writing. Includes an examination of online resources, bibliographies, histories, theoretical concepts and issues, and critical biographies of key figures. (Sp)  |
| JMC     | 5073   | Conceptual Issues in Graduate Study in Journalism and Mass Comm | Prerequisite: graduate standing. Introduction to key study areas in journalism and mass communication. Historical foundations, theoretical development and research trends will be outlined. Students will meet graduate faculty members and discuss major ideas and issues in the field. (F)   |
| JMC     | 5083   | Mass Communication Theory                                       | Prerequisite: graduate standing or permission. Theoretical perspectives and issues in mass communication. Emphasis on processes and effects that affect mass communication practices and media. Exploration of contemporary research and its contribution to the growing body of knowledge about mass communication. No student may earn credit for both 5083 and 6083. (F)   |
| JMC     | 5091   | Thesis/Project Seminar  | Prerequisite: graduate standing. Choice and development of appropriate research topics and proposals for thesis and professional projects. Discussion of the rigor and expectations for this research. (Sp)   |
| JMC     | 5093   | Introduction to Research Methods in Mass Communication          | Prerequisite: graduate standing. Introduction to research methods used in the study and practice of mass communication. Addresses how to formulate research problems and choose appropriate methods to study them, including both quantitative and qualitative approaches. (F)  |
| JMC     | 5103   | Mass Communication Technology                                   | (Slashlisted with 4103) Prerequisite: graduate standing. An examination of new communication technologies and their impact on the mass communication industry and on society, in the framework of the information revolution. Topical areas include the electric revolution, print and broadcasting technologies, communication satellites and computers and their convergence, interactive communication systems, electronic age, and international impacts. No student may earn credit for both 4103 and 5103. (Sp) |
| JMC     | 5113   | Qualitative Research Methods                                    | Prerequisite: graduate standing. Surveys a range of conceptual and methodological approaches appropriate for qualitative research in mass communication. Topics include conceptualization of research problems, framing research questions, the nature and sources of evidence, modes of interpretation, and conceptual framework from which evidence is analyzed in qualitative studies. No student may earn credit for both 5113 and 6113. (Sp)   |
| JMC     | 5123   | International Media Systems                                     | Prerequisite: graduate standing or permission of instructor. Introduction to world press systems and description of the broad dimensions of global mass media communication. Global controversies, questions and problems; regional media systems and technological similarities/differences of various countries' media systems. (Irreg.)  |



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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| JMC     | 5133   | Quantitative Research Methods             | Prerequisite: graduate standing. Quantitative research methods commonly used in the study of the process and effects of mass communication and the application of the scientific method to such inquiry. No student may earn credit for both 5133 and 6133. (Sp)  |
| JMC     | 5153   | Special Topics in Media Arts              | Prerequisite: graduate standing and permission of department. May be repeated with change of content; maximum credit twelve hours. Investigation of a problem relating to such subjects as a significant trend, practice, medium, idea, critical principle, or significant person in television, film, book, and other artistic or entertainment media. (Irreg.)  |
| JMC     | 5163   | Special Topics in News and Information    | Prerequisite: graduate standing and permission. May be repeated with change of content; maximum credit twelve hours. Investigation of a problem relating to such subjects as a significant trend, practice, medium, idea, critical principle, or significant person in journalism, news, and information fields. (Irreg.)   |
| JMC     | 5173   | Special Topics in Strategic Communication | Prerequisite: graduate standing and permission. May be repeated with change of content; maximum credit twelve hours. Investigation of a problem relating to such subjects as a significant trend, practice, medium, idea, critical principle, or significant person in advertising, public relations, and strategic communication fields. (Irreg.)  |
| JMC     | 5183   | Advanced Multimedia Journalism            | Prerequisite: graduate standing and permission of instructor. Advanced instruction in multimedia journalism, with a focus on producing news and information content using text, photography, audio and video for a web-based product. No student may earn credit for 4183 and 5183. (F, Sp)   |
| JMC     | 5193   | Principles of Media Entrepreneurship      | (Slashlisted with 4193) Prerequisite: JMC 1013 & 2033 and graduate standing. An in-depth examination of media entrepreneurship and distribution in the digital age. Students will learn how to create their own company, design a business plan, create budgets, and find financial backers and sponsors. Current approaches to marketing and distributing media products of various forms to the media industry will also be explored. No student may receive credit for both 4193 and 5193. (F, Sp, Su)                             |
| JMC     | 5223   | Digital Advertising                       | (Slashlisted with 4223) Prerequisite: graduate standing in Journalism. Recognizing the growing importance of newly emerging forms of advertising/promotions using non-traditional or alternative media, this course is designed to explore a new view of advertising in the current marketing/media environments. Along with learning the traditional advertising theories, students will understand how to effectively measure the use of interactive advertising media. No student may earn credit for both 4223 and 5223. (Irreg.) |
| JMC     | 5233   | Advertising Portfolio                     | (Slashlisted with 4233) Prerequisite: graduate standing in Journalism. Designed for students interested in advertising copywriting, art direction, account planning, advertising media, and advertising account management. Students will learn how to create an advertising portfolio by exploring all aspects of portfolio creation and strategies for marketing it to real professionals. No student may earn credit for both 4233 and 5233. (Irreg.)  |
| JMC     | 5243   | Strategic Fashion Communication           | (Slashlisted with 4243) Prerequisite: graduate standing in Journalism. Offers both a critical and practical exploration of the fashion communication business covering the complete cycle of the fashion industry from the concept and production stages to marketing campaigns, product sales, and events planning. Focusing on the lifecycle of the fashion brand. No student may earn credit for both 4243 and 5243. (Irreg.)  |
| JMC     | 5253   | British Media Studies                     | (Slashlisted with 4253) Prerequisite: graduate standing and permission of instructor. Critical analysis of the products of the media and the impact that the British media have upon their and our culture. Students will gain the ability to understand similarities and differences in British and American media cultures. No student may earn credit for both 4253 and 5253. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| JMC     | 5263   | British News Media Systems                         | (Slashlisted with 4263) Prerequisite: graduate standing and permission of instructor. Examines the structure, role, history and future of the news media in the United Kingdom and Europe. Covers print, broadcast, and web-based news media, with particular emphasis on broadcast/journalism and the current challenges it faces. There will be site visits to advertising and public relations agencies. Students will learn about the role of public service media in the U.K. as well as more market-based media. Explores how U.S. media companies operate outside their home country and the issues they face. No student may earn credit for both 4263 and 5263. (Irreg.) |
| JMC     | 5273   | Communicating Culture Tourism: Concepts and Theory | (Slashlisted with 4273) Prerequisite: graduate standing and permission of instructor; corequisite JMC 5283. Through an immersion experience in an international location, students will analyze the cultural traditions and history of modern travel media. Studies include the major contexts and motives of tourism, as well as the foundations of contemporary forms of travel media. No student may earn credit for both 4273 and 5273. (Irreg.)  |
| JMC     | 5283   | Communicating Culture Tourism Media: Travel Genres | (Slashlisted with 4283) Prerequisite: graduate standing and permission from instructor; corequisite JMC 5273. Through an immersion experience in an international location, this course will teach students the elements of narrative storytelling for media, and give them opportunities to hone and develop their individual writing styles through applied assignments. Students will gain the strategic and applied skills for feature-style writing that will allow them to produce media that meet professional standards. No student may earn credit for both 4283 and 5283. (Irreg.)  |
| JMC     | 5303   | International Advertising                          | (Slashlisted with 4303) Prerequisite: graduate standing. May be repeated with change of subject matter; maximum credit six hours. Designed to provide basic understanding of advertising and culture that applies to advertising in non-American locations. No student may earn credit for both 4303 and 5303. (Irreg.)   |
| JMC     | 5313   | Advertising Management                             | Prerequisite: 5013 and graduate standing. Case-study approach to the problems in planning, developing, appraising and administering advertising and promotion activities. In-depth analysis of the problems and functions involved in managing the advertising function within an agency or within an organization. (Irreg.)  |
| JMC     | 5323   | Advertising Account Planning                       | (Slashlisted with 4323) Prerequisite: 3303. Discussion and practice of the advertising agency function of representing the target audience. Emphasis on learning to think like a consumer. Incorporates creativity, market research, consumer behavior and critical thinking to help in understanding target audiences. No student may earn credit for both 4323 and 5323. (F)  |
| JMC     | 5333   | Contemporary Problems in Advertising               | (Slashlisted with 4333) Prerequisite: graduate standing and permission. Survey of contemporary problems in advertising; including current social and economic criticisms, legal and self-regulation problems, and agency and media-related problems. No student may earn credit for both 4333 and 5333. (F)   |
| JMC     | 5353   | Cinematography                                     | (Slashlisted with 4343) Prerequisite: JMC 1013, 2033 and JMC 2644 or permission of instructor. Students will learn to use light, camera and color correction to craft moving images, create mood and tell stories. Students will also gain an understanding of seminal cinematographers from around the world, their work and aesthetic sensibilities. No student may earn credit for both 4353 and 5353. (F, Sp)   |
| JMC     | 5413   | Crisis Communication                               | Prerequisite: graduate standing and instructor permission. Examine strategic communication practices throughout the three stages of a crisis event. Special emphasis is placed on crisis planning, media relationships, image restoration, ethical responses, and organizational learning. No student may earn credit for both 4413 and 5413. (F, Sp)   |
| JMC     | 5423   | Public Relations Case Studies                      | (Slashlisted with 4423) Prerequisite: graduate standing and permission. To demonstrate how to apply public relations theory to a wide range of possible situations. Requires the student to adapt communications and PR models to a number of case studies and problems. No student may earn credit for both 4423 and 5423. (Irreg.)  |

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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| JMC     | 5433   | Sports Public Relations                   | (Slashlisted with 4433) Prerequisite: graduate standing. A study of public relations as it is practiced in the sports industry featuring guest and video presenters representing various sports publicity, promotion and public relations positions. Includes representatives of newspaper, television, and radio sports departments. No student may earn credit for both 4433 and 5433. (Irreg.)   |
| JMC     | 5443   | Financial Public Relations                | (Slashlisted with 4443) Prerequisite: graduate standing and permission. Instruction and practice designed to develop an understanding of the investor relations function in public relations activity for corporations. Study of the stock market, the roles of principal players on Wall Street and relevant regulatory powers. Analysis of annual reports and how they are produced as well as financial statements and communication efforts aimed at investors and the news media. No student may earn credit for both 4443 and 5443. (Irreg.)  |
| JMC     | 5453   | Public Relations Research                 | (Slashlisted with 4453) Prerequisite: graduate standing and permission. To build skills in the use of various public relations research methodologies available for exploratory, evaluation and management assessment of programs. No student may earn credit for both 4453 and 5453. (Sp)  |
| JMC     | 5473   | Social Media Marketing                    | (Slashlisted with 4473) Prerequisite: graduate standing. Social Media Marketing explores the most effective marketing strategies and tactics used by brands to engage with consumers on each social media platform. You'll study best practices in social media marketing and apply them to the eight-step social media-planning model to construct an extensive real world social media marketing plan for a client. No student may receive credit for both 4473 and 5473. (F, Sp, Su)   |
| JMC     | 5483   | Global and International Public Relations | (Slashlisted with 4483) Prerequisite: graduate standing. Investigate current issues in global public relations practice. Students will examine how political, socio-economic, cultural, and historical particularities, together with pop culture, influence modern public relations practice. Students will also learn what role the social media plays in shaping global public relations strategies, as well as what role globalization plays in shaping strategic communication messages on international markets. No student may receive credit for both 4483 and 5483. (F, Sp, Su). |
| JMC     | 5503   | Graduate Tutorial in Writing              | Prerequisite: graduate standing and permission. May be repeated once; maximum credit six hours. Individual conferences devoted entirely to preparation, criticism, editing and preparation for marketing of the student's original manuscript, both fiction and non-fiction. (F, Sp)  |
| JMC     | 5514   | Writing the Novel-Graduate                | Prerequisite: graduate standing and permission. May be repeated; maximum credit eight hours. Analysis of the concepts, principles and practical creative problems involved in writing novels. Instruction in specific approaches and techniques useful in plotting, characterization, setting, scene, etc. Supervised writing of a novel by each student. (F, Sp)   |
| JMC     | 5524   | Writing the Short Story                   | (Slashlisted with 4524) Prerequisite: JMC 1013, JMC 2033, JMC 3504 and permission of instructor or department. Techniques and theory of fiction writing and plots, with emphasis on current American short stories. No student may earn credit for both 4524 and 5524. (F, Sp)  |
| JMC     | 5533   | Mystery Writing                           | (Slashlisted with 4533) Prerequisite: JMC 3504 or graduate standing and permission. A survey and discussion of the various popular forms that are used in the creation of commercial crime stories in fiction and film. This look at the most popular forms of crime writing and their rationales has the intention of allowing students to develop their own crime writing projects to better fit the prevailing markets. No student may earn credit for both 4533 and 5533. (F, Sp)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| JMC     | 5543   | Sci-Fi & Fantasy Writing                      | (Slashlisted with 4543) Prerequisite: JMC 3504 and graduate standing. Although most people lump science fiction and fantasy stories together, these two genres are worlds apart. This course will help you expand your understanding of the two areas by focusing on world building, tech, and magic as well as potential societal differences. Sci-Fi & Fantasy Writing allows participants to dig more deeply into genres they wish to explore. No student may earn credit for both 4543 and 5543. (F, Sp)   |
| JMC     | 5553   | Contemporary Problems in Professional Writing | Prerequisite: eight hours in professional writing or equivalent, graduate standing. May be repeated once for credit with change in content. Extensive study of specific trends, shifts in public taste, and technical devices used by the authors. Discussion of books in terms of specific technical devices and how they can be used in the student's own work. (F)  |
| JMC     | 5563   | Category Fiction                              | (Slashlisted with 4563) Prerequisite: graduate standing and permission. May be repeated once with change of content; maximum credit six hours. In-depth study of current popular fiction genres and techniques used by category authors. Discussion of books in terms of fiction devices and application of such techniques to student's own work. No student may earn credit for both 4563 and 5563. (F)  |
| JMC     | 5573   | Theories of Professional Writing              | (Slashlisted with 4573) Prerequisite: JMC 3504 and graduate standing. Study of significant theories of the writing process, the motivation to write, and intended effects of writing. Students will address aesthetics, philosophy and values relating to careers in writing. No student may earn credit for both 4573 and 5573. (F, Sp)   |
| JMC     | 5583   | Romance & Suspense Writing                    | (Slashlisted with 4583) Prerequisite: JMC 3504 and graduate standing. These two genres exist independently of each other, yet can blend to make a hybrid that remains a highly successful type of story. This course will illustrate the core values of Romance and Suspense, touching on the various subgenres of each, then show participants how to use those core elements to create romantic suspense stories. Romance & Suspense Writing allows interested participants to gain a more rounded knowledge of each genre so that they can write in either field or combine the two. No student may earn credit for both 4583 and 5583. (F, Sp) |
| JMC     | 5593   | Young Adult Fiction Writing                   | (Slashlisted with 4593) Prerequisite: JMC 3504 or graduate standing and permission. Young adult fiction is a thriving sector of the book industry. This class deconstructs the state of the young adult market and uses current award winners and bestsellers as models of aspects of story such as characterization, world-building, plotting and voice. Students learn how to position their work in a booming market and discover how writing young adult fiction is similar to and different from writing for adults. No student may earn credit for both 4593 and 5593. (F, Sp)   |
| JMC     | 5594   | Writing the Commercial Nonfiction Book        | Prerequisite: graduate standing and permission. May be repeated; maximum credit eight hours. Techniques, structure and elements of writing commercial nonfiction. Each student will work on an original book project and create a submittable book proposal with a list of suitable markets. No student may earn credit for both 4594 and 5594. (F)  |
| JMC     | 5623   | Producing and Directing for Multi-Camera      | (Slashlisted with 4623) Prerequisite: graduate standing and permission of instructor. Covers the techniques of multi-camera for studio and/or location production. Preparatory, practical, technical and theoretical issues regarding pre-production, production and directorial work for live television. No student may earn credit for both 4623 and 5623. (Irreg.)   |
| JMC     | 5633   | Advanced Video Production                     | (Slashlisted with 4633) Prerequisite: graduate standing and permission of instructor. May be repeated once; maximum credit six hours. Advanced single-camera class. Units on aesthetics, lighting, visualization, post-production and the integrations of sound. Intensive practice and skill development in television production techniques. No student may earn credit for both 4633 and 5633. (F, Sp)  |

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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| JMC     | 5643   | Advanced Audio Production                 | (Slashlisted with 4643) Prerequisite: graduate standing and permission of instructor. Advanced study of the technology, capabilities and utilization of audio media. Units on advanced audio techniques for radio, television and film. Intensive practice and skill development in audio production techniques. No student may earn credit for both 4643 and 5643. (Irreg.)  |
| JMC     | 5673   | Advanced Broadcast News                   | (Slashlisted with 4673) Prerequisite: graduate standing and permission. Study of current requirements for and practice of public affairs programming, including news. Evolution of broadcast documentary form; writing, filming, editing techniques; budgeting and scheduling; actual preparation of public affairs programs of various types with emphasis on the extended-length news documentary. No student may earn credit for both 4673 and 5673. Laboratory (Sp)   |
| JMC     | 5683   | Multimedia Content Management             | (Slashlisted with 4683) Prerequisite: graduate standing and permission of instructor. Examines working with media content in a variety of formats such as text, audio, video, photography and graphics, for online media. Instruction and practice in editing designing, presenting, and managing news and information content for online media. No student may earn credit for both 4683 and 5683. (F, Sp)   |
| JMC     | 5693   | Broadcast and Electronic Media Management | (Slashlisted with 4693) Prerequisite: graduate standing and permission of instructor. Operational and organizational management of media technologies in broadcast, corporate communications, internet and other media-based industries. Includes discussion of legal, human resource, economic and policymaking issues. No student may earn credit for both 4693 and 5693. (Irreg.)  |
| JMC     | 5734   | Writing the Screenplay                    | Prerequisite: graduate standing and permission. May be repeated; maximum credit eight hours. Analysis of the form and structure of the narrative screenplay. Specific approaches and techniques useful in developing plotting, characterization, setting, scene, etc. Supervised writing of feature-length screenplay by each student. (Sp)   |
| JMC     | 5753   | Documentary Research and Writing          | (Slashlisted with 4753) Prerequisite: graduate standing and permission of instructor. Covers the preparation of a documentary from both practical and critical/theoretical directions. Focuses on research, writing and submission of documentary proposals, and practical writing exercises. No student may earn credit for both 4753 and 5753. (F)  |
| JMC     | 5763   | Documentary Producing and Directing       | (Slashlisted with 4763) Prerequisite: graduate standing and permission of instructor. Emphasis is on the production and post-production phases of producing a documentary and developing the necessary skills. These include camera, lighting, sound recording, styles of visual coverage, interviewing, etc. The post production skills may include editing sound, visuals, writing and recording narration and voice over tracks, along with titles and graphics to complete a documentary. Students will shoot and complete a documentary project. No student may earn credit for both 4763 and 5763. (Sp) |
| JMC     | 5773   | Post Production and Graphics              | (Slashlisted with 4773) Prerequisite: graduate standing and permission of instructor. Practice and understanding of the aesthetic and technical applications of digital editing and design. Advanced non-linear editing techniques, DVD creation, graphic design, soundtrack creation, and compositing are covered in the context of fiction and non-fiction visual storytelling. No student may earn credit for both 4773 and 5773. (F, Sp)  |
| JMC     | 5793   | Broadcast Advertising Production          | (Slashlisted with 4793) Prerequisite: graduate standing and permission of instructor. Addresses all the major stages of creating broadcast advertising messages from research and development of scripts through production, post production and final presentation. Emphasis will be placed on working in teams to create commercial messages. No student may earn credit for both 4793 and 5793. (Irreg.)   |
| JMC     | 5800   | Graduate Internship                       | Prerequisite: graduate standing and permission. May be repeated with change of content; maximum credit six hours. Professional work experience in mass communication with associated readings, analysis, and critical research. (F, Sp, Su)   |
| JMC     | 5833   | Journalism Ethics                         | (Slashlisted with 4833) Prerequisite: graduate standing and permission. Press criticism; organizational performance; reportorial performance; print/broadcast distinctions. No student may earn credit for both 4833 and 5833.(F)   |

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| Subject | Number | Title                              | Course Description  |
|---------|--------|------------------------------------|---|
| JMC     | 5853   | Race, Gender and the Media         | (Slashlisted with 4853) Prerequisite: graduate standing and permission. Survey of past and present relationships between women and racial and ethnic minorities in the U.S. and the media. Media portrayal, employment, ownership and access will be studied. No student may earn credit for both 4853 and 5853. (Sp)   |
| JMC     | 5880   | Graduate Project                   | 2 to 4 hours. Prerequisite: graduate standing in journalism and mass communication. For students electing the project track (nonthesis track). Students will develop, under their project committee's direction, a creative or professional project, such as a novel, a film, an advertising or public relations campaign, or a management plan for a media-related organization. (F, Sp, Su) |
| JMC     | 5903   | Client-Based Production            | (Slashlisted with 4903) Prerequisite: graduate standing and permission of instructor. Students work on actual client projects. The class simulates a production house operation. Working in teams, students are responsible for budgeting, working with clients, scripting, shooting, editing and follow-through on the project. No student may earn credit for both 4903 and 5903. (F, Sp)   |
| JMC     | 5913   | Dramatic Series/Short Productions  | (Slashlisted with 4913) Prerequisite: graduate standing and permission of instructor. Focuses on the production of dramatic narrative content appropriate for electronic media distribution. Includes concepts used in the development of serial storytelling and short focused productions. No student may earn credit for both 4913 and 5913. (F, Sp)                                       |
| JMC     | 5960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| JMC     | 5970   | Seminar                            | 1 to 3 hours. May be repeated with change of subject matter; maximum credit 12 hours. Methods of research. Selection, evaluation and development of research problems. (Irreg.)   |
| JMC     | 5980   | Research for Master's Thesis       | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| JMC     | 5990   | Independent Study                  | 1 to 3 hours. Prerequisite: graduate standing; permission of instructor. May be repeated with change of subject matter; maximum credit six hours. (F, Sp, Su)   |
| JMC     | 5999   | Graduate Level Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| JMC     | 6083   | Advanced Mass Communication Theory | Prerequisite: graduate standing and permission. Advanced study of theoretical understandings in mass communication with attention to historical roots of the field. Exploration of a variety of perspectives such as the American progressives, the effects tradition, critical theory, and British cultural studies. (Sp)  |
| JMC     | 6091   | Ph.D. Seminar                      | Prerequisite: graduate standing and permission. May be repeated with change of content; maximum credit six hours. Discussion and presentation of research by doctoral students, faculty and visiting scholars. Designed to enhance faculty-student interaction and collaboration on research, and to provide preliminary feedback toward development of dissertation proposals. (F, Sp)       |
| JMC     | 6113   | Advanced Qualitative Methods       | Prerequisite: graduate standing and permission. Advanced exploration of the nature of communication research and the place of qualitative methods in that research. Examination of a variety of qualitative techniques and their appropriateness for addressing particular issues in mediated communication. (Sp)   |
| JMC     | 6133   | Advanced Quantitative Methods      | Prerequisite: graduate standing and permission. Builds upon introductory methods courses and provides a conceptual and practical framework for using multivariate statistics in mass communication research. Explores the most effective and efficient methods of creating and improving quantitative measures. Emphasis on analyzing data and interpreting results. (Sp)                     |
| JMC     | 6153   | Advanced Topics in Media Arts      | Prerequisite: graduate standing and permission. May be repeated with change of content; maximum credit twelve hours. Advanced investigation and analysis of a problem relating to such subjects as a significant trend, practice, medium, idea, critical principle, or significant person in television, film, book, and other artistic or entertainment media. (Irreg.)                      |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| JMC     | 6163   | Advanced Topics in News and Information      | Prerequisite: graduate standing and permission. May be repeated with change of content; maximum credit twelve hours. Advanced investigation and analysis of a problem relating to such subjects as a significant trend, practice, medium, idea, critical principle, or significant person in journalism, news, and information fields. (Irreg.)                         |
| JMC     | 6173   | Advanced Topics in Strategic Communication   | Prerequisite: graduate standing and permission. May be repeated with change of content; maximum credit twelve hours. Advanced investigation and analysis of a problem relating to such subjects as a significant trend, practice, medium, idea, critical principle, or significant person in advertising, public relations and strategic communication fields. (Irreg.) |
| JMC     | 6183   | Approaches to Teaching in Mass Communication | Prerequisite: graduate standing and permission. An overview of pedagogy related to teaching college classes, specifically in journalism and mass communication programs. Immediately helpful to graduate students with teaching assistantships, and ultimately helpful for all students interested in teaching careers. (F)   |
| JMC     | 6960   | Directed Readings                            | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| JMC     | 6970   | Special Topics/Seminar                       | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| JMC     | 6980   | Research for Doctoral Dissertation           | Prerequisite: graduate standing and permission. Research for Doctoral Dissertation. (F, Sp, Su)   |
| JMC     | 6990   | Independent Study                            | Prerequisite: Graduate standing and permission. May be repeated with change of content; maximum credit eight hours. An individual course of intensive study with the area and problem to be determined by the student and the instructor responsible for supervising the study. (F, Sp, Su)   |
| JRRE    | 1999   | Lower Division Transfer Credit               | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| JRRE    | 3021   | Junior Recital                               | Prerequisite: concurrent enrollment in 4020, during the junior year, permission of adviser and instructor. Preparation and performance of a public recital by students in the B.M. degree program. (F, Sp, Su)  |
| JRRE    | 3999   | Upper Division Transfer Credit               | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| JRRE    | 5999   | Graduate Level Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| KIOW    | 1713   | Beginning Kiowa                              | Introduction to the structure of the Kiowa language with special attention to its phonology, morphology, and syntax. Conversational practice, vocabulary-building, and the history and culture of the native speech community also are emphasized. (F, Sp) [I-FL]   |
| KIOW    | 1715   | Beginning Kiowa                              | Introduction to the structure of the Kiowa language with special attention to its phonology, morphology, and syntax. Conversational practice, vocabulary-building, and the history and culture of the native speech community also are emphasized. (F, Sp)[I-FL]  |
| KIOW    | 1725   | Beginning Kiowa Continued                    | Prerequisite: KIOW 1715 or permission of the department or instructor. A continuation of KIOW 1715. The students will build upon their prior knowledge of symbols, diacritic marks, sounds and tones necessary to read, write, speak and comprehend Beginning Kiowa with a predetermined set of vocabulary, sentences, and basic conversation. (F, Sp)[I-FL]            |
| KIOW    | 1999   | Lower Division Transfer Credit               | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| KIOW    | 2733   | Intermediate Kiowa                           | Prerequisite: 1723. A systematic review of the structure of the Kiowa language. Syntactic control and vocabulary expansion are emphasized. Conversational practice and traditional oral texts are used to develop proficiency. (F)  |
| KIOW    | 3440   | Mentored Research Experience                 | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)             |
| KIOW    | 3999   | Upper Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| KIOW    | 5999   | Graduate Level Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| L A     | 1999   | Lower Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| L A     | 3440   | Mentored Research Experience                 | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)             |
| L A     | 3999   | Upper Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| L A     | 4103   | Introduction to Landscape Architecture       | (Slashlisted with 5103) Prerequisite: junior standing and permission of instructor. Introduction to the multidisciplinary design profession of landscape architecture. This course will highlight the profession of landscape architecture as a leader in today's sustainable construction and design industry. No student may earn credit for both 4103 and 5103. (F)  |
| L A     | 4213   | Introduction to Revit                        | (Slashlisted with 5213) Prerequisite: Junior standing or permission of instructor. This introductory course will enable students to create full 3D architectural and landscape architectural project models and working drawings using Autodesk(R) Revit(R) Architecture software. The focus will be on the basic tools that the majority of users will need in a typical design process. No student may earn credit for both 4213 and 5213. (F, Sp)                                      |
| L A     | 4423   | Human Experience of the Environment          | (Slashlisted with 5423) Prerequisites: Junior standing. An introduction to the understanding of how people interact with the world around them. We will explore the many ways in which environments have shaped us, how we perceive and interact with the world, what tools researchers use, how places are designed to accommodate particular human behaviors, and how designers can create healthy environments. No student may earn credit for both 4423 and 5423. (F, Sp, Su)[III-SS] |
| L A     | 4613   | Landscape Architecture Computer Applications | (Slashlisted with 5613) Prerequisite: junior standing or permission of instructor. A survey of computer applications common to the profession of landscape architecture including word processing, desktop publishing, computer image manipulation, computer-aided drafting, spreadsheets and databases with particular emphasis on computer image manipulation and computer-aided drafting. No student may earn credit for both 4613 and 5613. (F)                                       |



# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| L A     | 4743   | Garden History from Ancient to Contemporary                   | Prerequisite: junior standing. This course examines the history of human design and use of land through an examination of the gardens different civilizations built. Gardens from pre-history to the twenty-first history in Asia, Latin and South America, Europe and the United States will be studied as products of conscious design. This course will trace archetypes of garden types so students may understand the social, cultural and economic contexts within which historic garden styles emerged. (F, Sp) |
| L A     | 4943   | History and Theory of Landscape Architecture                  | (Slashlisted with 5943) Prerequisite: Junior standing or permission of instructor. A survey of American landscape architecture trends and personalities. Includes an overview of European and Asian landscape and garden design precedents. The framework of modern architecture, modern art, and public art which provide a context for and influence upon landscape architecture will be discussed in historical and theoretical terms. No student may earn credit for both 4943 and 5943. (Sp)                      |
| L A     | 4970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: junior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| L A     | 5052   | Professional Practice   | (Crosslisted with ARCH 5052) Prerequisite: 5043 or permission of instructor. Survey of career options, internship, registration, firm organization, office management, professional conduct and ethics within the practice of architecture. (F, Sp)  |
| L A     | 5103   | Introduction to Landscape Architecture                        | (Slashlisted with 4103) Prerequisites: graduate standing, permission of instructor. Introduction to the multidisciplinary design profession of landscape architecture. This course will highlight the profession of landscape architecture as a leader in today's sustainable construction and design industry. No student may earn credit for both 4103 and 5103. (F)   |
| L A     | 5213   | Introduction to Revit   | (Slashlisted with 4213) Prerequisite: Graduate standing or permission of instructor. This introductory course will enable students to create full 3D architectural and landscape architectural project models and working drawings using Autodesk(R) Revit(R) Architecture software. The focus will be on the basic tools that the majority of users will need in a typical design process. No student may earn credit for both 4213 and 5213. (F, Sp)   |
| L A     | 5243   | Landscape Architecture Technology: Materials and Construction | Prerequisite: graduate standing and permission of instructor. Technical requirements and design characteristics of landscape construction materials. Brick, concrete, asphalt, stone, wood, paving curbs, walls, steps, small structures, site furnishings, lighting, and basic construction documentation. Laboratory (F)   |
| L A     | 5343   | Landscape Architecture Technology: Site Issues                | Prerequisite: graduate standing and permission of instructor. Technical aspects of land and water interactions in site planning and landscape engineering. Introduction to contours, grading and earthwork; watershed and site drainage; horizontal and vertical curves; erosion control, and sedimentation. Laboratory (Sp)   |
| L A     | 5402   | Res Methods Landscape Arch                                    | Prerequisite: graduate standing or permission of instructor. Introduces basic research methods applicable to landscape architecture. (F)   |
| L A     | 5423   | Human Experience of the Environment                           | (Slashlisted with 4423) Prerequisite: Graduate standing. An introduction to the understanding of how people interact with the world around them. We will explore the many ways in which environments have shaped us, how we perceive and interact with the world, what tools researchers use, how places are designed to accommodate particular human behaviors, and how designers can create healthy environments. No student may earn credit for both 4423 and 5423. (F, Sp, Su)                                     |
| L A     | 5513   | Landscape Architecture Drawing and Graphics                   | Prerequisite: graduate standing or permission of instructor. Basic techniques for visual thinking/seeing and basic graphic techniques for two- and three-dimensional representation. Different methods of communication such as sketching, diagramming, plan, section and elevation drawing, rendering, one and two point perspective, and axonometric drawing for layout and composition. (F)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| L A     | 5515   | Landscape Architecture Introductory Graduate Studio I   | Prerequisite: graduate standing and permission of the instructor. Small-scale problems in landscape architecture with particular emphasis on principles and elements of design, design of individual sites, design as a process including communication of site analysis, design, development and final design proposals. (F)   |
| L A     | 5525   | Landscape Architecture Introductory Graduate Studio II  | Prerequisite: graduate standing and permission of instructor. Introduction to site planning at small to medium scales with particular emphasis on design process where consideration of natural and human factors influence design solutions. Subject matter varies and is reflective of a host of problems and issues common to landscape architecture. (Sp)   |
| L A     | 5535   | Landscape Architecture Intermediate Graduate Studio III | Prerequisite: 5515, 5525, graduate standing, and permission of instructor. Studio work concerned with park, recreation, and open space issues pertinent to contemporary needs. Subject matter may include park typologies and their design, recreation typologies, public education, greenways, scenic byways, eco-tourism, schools, art in the landscape, and community gardens. (F)   |
| L A     | 5545   | Landscape Architecture Intermediate Graduate Studio IV  | Prerequisite: 5515, 5525, graduate standing, and permission of instructor. Focus on housing and community planning as related to site planning and site design with particular emphasis on urban environments, housing typologies, community participation, community facilities, and the landscape architect's approach to integration of proposed developments within natural and human contexts. (Sp)  |
| L A     | 5613   | Landscape Architecture Computer Applications            | (Slashlisted with 4613) Prerequisite: graduate standing and permission of instructor. A survey of computer applications common to the profession of landscape architecture including word processing, desktop publishing, computer image manipulation, computer-aided drafting, spreadsheets and databases with particular emphasis on computer image manipulation and computer-aided drafting. No student may earn credit for both 4613 and 5613. (F)  |
| L A     | 5713   | Plant Material and Technology                           | Prerequisite: graduate standing and permission of instructor. Identification and classification of native and ornamental woody evergreen and deciduous trees, shrubs, vines, and ground covers. Study of their morphology, cultural characteristics, landscape uses, pruning maintenance, planting and establishment. Includes basic horticultural principles, plant processes, and factors affecting plant growth. (F)   |
| L A     | 5923   | Planting Design   | Prerequisite: LA 5713, graduate standing and permission of instructor. An intensive lecture/lab course emphasizing the use of plants in landscape architecture design. Laboratory (Sp)  |
| L A     | 5940   | Field Work  | 1 to 4 hours. Prerequisite: 4515 and permission of instructor. Studies in landscape architecture not suited to the conventional classroom setting. (F, Sp)  |
| L A     | 5943   | History and Theory of Landscape Architecture            | (Slashlisted with 4943) Prerequisite: graduate standing and permission of instructor. A survey of American landscape architecture trends and personalities. Includes an overview of European and Asian landscape and garden design precedents. The framework of modern architecture, modern art, and public art which provide a context for and influence upon landscape architecture will be discussed in historical and theoretical terms. Students may not earn credit for 4943 and 5943. (Sp) |
| L A     | 5950   | Graduate Project Proposal                               | 2 to 4 hours. Prerequisite: graduate standing and permission of instructor. Proposal development for terminal graduate project in landscape architecture. (F, Sp)   |
| L A     | 5960   | Directed Readings                                       | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit nine hours. Selected readings in landscape architecture. (F, Sp, Su)   |
| L A     | 5970   | General Department Seminar                              | 1 to 4 hours. Prerequisite: graduate standing and permission of instructor. May be repeated with change of topic; maximum credit nine hours. Advanced professional topics in landscape architecture and experimental course offerings. (Sp)   |
| L A     | 5990   | Independent Study                                       | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |

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| Subject | Number | Title                                      | Course Description  |
|---------|--------|--|---|
| L A     | 5999   |  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| L A     | 6595   | Graduate Project                           | Prerequisite: 6950 or permission of instructor. An approved individual project or thesis exploiting or integrating the student's specialization with landscape architecture. Laboratory (Sp)  |
| L A     | 6643   | Urban Design Theory                        | (Crosslisted with ARCH 6643 and RCPL 6643) Prerequisite: graduate standing. A survey of theory relevant to the urban design process, including social and behavioral concepts, visual and aesthetic theory, spatial and geographic factors of urban form. (Sp)  |
| L A     | 6950   | Applied Research in Landscape Architecture | 1 to 4 hours. Prerequisite: 6013 and permission of instructor. Approved individual research in landscape architecture coordinated with electives in preparation for the graduate project. (F)   |
| L A     | 6960   | Directed Readings                          | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| L A     | 6970   | Special Topics/Seminar                     | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| L A     | 6990   | Graduate Special Studies                   | 1 to 6 hours. Prerequisite: graduate standing and permission of instructor. May be repeated with change of content; maximum credit 12 hours. Selected topics in landscape architecture. (F, Sp, Su)   |
| L S     | 1999   | Lower Division Transfer Credit             | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| L S     | 2970   | Special Topics                             | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)  |
| L S     | 3003   | Introduction to Law and Legal Reasoning    | Prerequisite: junior standing or permission of department. An introduction to Anglo-American law, emphasizing Anglo-American legal history, comparative legal systems, the interdisciplinary nature of law, and critical legal reasoning. [IV-WC]   |
| L S     | 3323   | Legal Environment of Business              | Prerequisite: junior standing. The legal environment of business organizations with ethical considerations and the social and political influences affecting such environments. (F, Sp, Su)   |
| L S     | 3440   | Mentored Research Experience               | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| L S     | 3960   | Honors Reading                             | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| L S     | 3970   | Honors Seminar                             | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| L S     | 3980   | Honors Research                            | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| L S     | 3990   | Independent Study                          | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| L S     | 3999   | Upper Division Transfer Credit                 | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| L S     | 4413   | The Law of Business Organization               | Prerequisite: student must be approved for degree candidacy by Price College; MGT 3013, LS 3323; MKT 3013; FIN 3303. Course will trace the law and ethics of agency, agency problem and various types of business organizations. Each form of business ownership has advantages and disadvantages and presents peculiar ethical and legal issues associated with governance. (F, Sp)   |
| L S     | 4523   | The Law of Commercial Transactions             | (Slashlisted with 5523) Prerequisite: 3323. A comprehensive survey of commercial transactions, including the law of sales, warranties, risk of loss, negotiable instruments, bank collections and deposits, electronic fund transfers, secured transactions and bankruptcy. No student may earn credit for both 4523 and 5523. (F, Sp)   |
| L S     | 4613   | Real Property Law                              | Prerequisite: 3323. General law of real property; historical development, acquisition of title to personal property, estates in land, landlord and tenant relations, easements, deeds, mortgages, adverse possession, wills and trusts. (F, Sp)  |
| L S     | 4710   | Special Topics in Legal Studies                | 1 to 6 hours. Prerequisite: 3323 or permission. May be repeated with change of subject matter.   |
| L S     | 4713   | The Law of International Business Transactions | Prerequisite: 3323. Examines the legal and ethical environment of international business. Topics include international treaties and conventions, comparative legal systems, extraterritoriality of U.S. and foreign laws, the Act of State Doctrine and the resolution of international business disputes. (Sp)  |
| L S     | 4803   | Energy Law                                     | Prerequisite: 3323, student must have been approved for degree candidacy by Price College. Regulation of natural resources capable of energy fuels production; environmental technological and economic impacts of coal, water, oil, gas, uranium, and solar energy sources through exploration, development, production, transportation, and end use; legal context of natural resource conservation, allocation, and distribution. (Irreg.)  |
| L S     | 4813   | International Petroleum Transactions           | Prerequisite: 3323, 4523, 4613, Petroleum Engineering 4103, senior standing, Energy Management major, and permission. The international oil and gas business covering: the sovereign rights to minerals; how crude oil is bought and sold on the world market; various types of host government contracts to assign development rights to private companies; how disputes between a private company and host government are resolved; contracts between private companies engaged in exploration and production operations. (Irreg.) |
| L S     | 4823   | Oil and Gas Contracts                          | Prerequisite: 3323, 4523, 4613, Petroleum Engineering 4103, and senior standing. Examination of contracts for the oil and gas industry. Covers exploration, production and development of oil and gas properties, investments, relationships created by such contracts, rights and duties of the parties, income tax consequences, and governmental regulation. (Irreg.)   |
| L S     | 4960   | Directed Readings                              | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| L S     | 4970   | Special Topics/Seminar                         | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| L S     | 4990   | Independent Study                              | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| L S     | 5523   | The Law of Commercial Transactions                              | (Slashlisted with 4523) Prerequisite: L S 3323, graduate standing and permission of instructor. A comprehensive survey of commercial transactions, including the law of sales, warranties, risk of loss, negotiable instruments, bank collections and deposits, electronic fund transfers, secured transactions and bankruptcy. No student may earn credit for both 4523 and 5523. (Irreg.)   |
| L S     | 5612   | Employment Law  | Prerequisites: Departmental permission; graduate standing; admission into Price College graduate program. Employment law affects not only the employee/employer relationship, but can also affect the bottom line. This course is designed to explore the most common employment laws along with the ramifications of non-compliance of federal and state laws. Students will get an overview of federal discrimination laws and how they can impact the employment environment. (Su) |
| L S     | 5713   | International Business Law                                      | Prerequisite: 5323. Study of international and domestic regulations affecting multi-national enterprises and international business transactions. Examines and compares inter-governmental organizations, world legal systems, business structures, and regulatory and tax systems, and provides students with practical legal knowledge of how international transactions are carried out. (F)   |
| L S     | 5802   | Business Ethics/Legal   | Prerequisites: graduate standing; departmental permission. Review of the American legal process and ethical frameworks for gauging business decisions. (Irreg.)   |
| L S     | 5960   | Directed Readings   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| L S     | 5970   | Topics in Legal Studies   | 1 to 6 hours. Prerequisite: 5323 or permission. May be repeated with change of subject matter. (Irreg.)   |
| L S     | 5990   | Independent Study   | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| L S     | 5999   | Graduate Level Transfer Credit                                  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| LAT     | 1115   | Beginning Latin   | Introductory study of the vocabulary and grammar of the Latin language, with practice in the reading of sentences and connected prose from selected Latin authors. (F, Sp) [I-FL]   |
| LAT     | 1215   | Beginning Latin   | Prerequisite: 1115, or the equivalent, with a grade of C or better. Introductory study of the vocabulary and grammar of the Latin language, with practice in the reading of sentences and connected prose from selected Latin authors. (F, Sp) [I-FL]   |
| LAT     | 1315   | Intensive Introductory Latin                                    | Prerequisite: permission of Honors Program. Alternative to the Latin 1115 and 1215 introductory sequence. Covers in one semester the essentials of the material in Latin 1115 and 1215. Students who have completed 1115 and 1215 may not enroll in 1315. (F) [I-FL]  |
| LAT     | 1999   | Lower Division Transfer Credit                                  | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| LAT     | 2113   | Intermediate Latin Prose: Cicero, Livy, Pliny, Gellius, Vulgate | Prerequisite: 1215, or equivalent, with a grade of C or better. May be repeated with change of content; maximum credit six hours. Readings in the companion textbooks to those in use in Latin 1115 and 1215, designed to ease the transition into reading the authentic prose of major Latin authors. (F, Sp, Su)  |
| LAT     | 2213   | Ovid  | Prerequisite: 1215, or equivalent, with a grade of C or better. May be repeated with change of content; maximum credit six hours. Reading selections from the works of Ovid; designed to improve the student's proficiency in translation and the understanding of the Latin Poetic technique. (F, Sp)  |
| LAT     | 2313   | Latin Composition   | Prerequisite: 1215, or the equivalent, with a grade of C or better. Composition and translation designed to provide a systematic review of grammar and improve control in writing Latin.  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| LAT     | 3113   | Advanced Prose: Cicero, Pliny the Elder, Pliny the Younger | Prerequisite: 2113 and 2213. May be repeated with change of subject matter; maximum credit six hours. Readings from the works of Cicero or Pliny, representing the height of prose style in the Republican and Imperial periods, respectively. (Irreg.)   |
| LAT     | 3213   | Vergil   | Prerequisite: 2113 and 2213. May be repeated with change of content; maximum credit six hours. Selected readings from the works of Vergil, whose writings established the forms for all subsequent epic, didactic, and pastoral poetry in the west. (Irreg.)  |
| LAT     | 3313   | Latin Composition  | Prerequisite: one intermediate level Latin course or the equivalent. In this course the student will learn to compose in Latin by translating sentences and continuous passages from English. (Sp)  |
| LAT     | 3440   | Mentored Research Experience                               | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| LAT     | 3510   | Selected Topics  | Prerequisite: 2113 or 2213 or the equivalent. May be repeated with change of content; maximum credit six hours. A study of selected topics in Latin literature on subjects not offered in regularly scheduled courses. (Irreg.)   |
| LAT     | 3960   | Honors Reading   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers materials not usually presented in the regular courses. (F, Sp, Su)   |
| LAT     | 3980   | Honors Research  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp)  |
| LAT     | 3990   | Independent Study  | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| LAT     | 3999   | Upper Division Transfer Credit                             | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| LAT     | 4133   | Historians: Livy, Tacitus, Caesar, Sallust                 | May be repeated with change of subject matter; maximum credit nine hours. Introductory course in Roman history. Readings chosen to present memorable persons and episodes in the ascendancy of the Republic, the critical issues of the Civil Wars, and the social and political decadence of the Early Empire. (Irreg.)  |
| LAT     | 4213   | Latin Lyric Poetry   | Prerequisite: junior standing or permission of the instructor. May be repeated with change of subject matter; maximum credit six hours. Readings in the works of Horace, Catullus, and the elegiac poets. Biographical and historical aspects of the poems. Supplementary studies in the development of lyric poetry and its various themes. (Irreg.)   |
| LAT     | 4313   | The Teaching of Latin                                      | Investigation of recurrent problems in Latin pedagogy; aims, traditional and experimental methods, evaluation and choice of texts, instructional aids and special problems in phonology and syntax. (F, Sp)   |
| LAT     | 4503   | Latin Capstone Course                                      | Prerequisite: senior standing in major. Students work on an individual basis in conjunction with a Classics faculty member and write a senior paper on a topic to be chosen in consultation with the faculty member. The paper must demonstrate a comprehensive understanding of the Latin language and of one of the major areas of Greco-Roman civilization. [V]  |
| LAT     | 4960   | Directed Readings  | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| LAT     | 4970   | Special Topics/Seminar                        | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| LAT     | 4990   | Independent Study                             | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| LAT     | 5960   | Directed Readings                             | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| LAT     | 5970   | Special Topics/Seminar                        | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| LAT     | 5990   | Special Studies                               | 1 to 4 hours. May be repeated; maximum credit eight hours. Reading and research, arranged and directed in consultation with the instructor, in specified areas of Classical philology. (F, Sp)   |
| LAT     | 5999   | Graduate Level Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| LAW     | 1999   | Lower Division Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| LAW     | 2144   | Torts   | Prerequisite: admission to the College of Law. Introduction to basic principles of civil liability, with study of selected issues, which may include intentional wrongs, negligence, strict liability, vicarious liability, defenses and immunities, comparative fault, assessment of damages, nuisance, products liability, misrepresentation, injuries to reputation, and alternative compensation systems. (F, Sp)  |
| LAW     | 3999   | Upper Division Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| LAW     | 5000   | Professional Writing for Litigators           | Prerequisite: Legal Research & Writing I and II (LAW 5123 and LAW 5202). Provides students with the tools necessary to evaluate, modify, and design litigation documents (excluding substantive motions and briefs). The focus is on learning the processes necessary for effective written communication with clients and other professionals and for production of litigation-related documents. Completion of this course is required for the Litigation Certificate and does not satisfy any credit hour requirements for the J.D. (F, Sp) |
| LAW     | 5003   | Argumentation and Public Speaking for Lawyers | Prerequisite: admission to the College of Law. Explores the art of public speaking and argumentation to audiences typically encountered by lawyers. The course will focus on strategies and theories of communication that outline how to construct and deliver effective arguments, enabling students to hone their skills through practical applications. Completion of this course is required for the Litigation Certificate and does not satisfy any credit hour requirements for the J.D. (F, Sp)  |
| LAW     | 5101   | Introduction to Legal Research-MLS            | Prerequisite: admission to Masters of Legal Studies Program. Provides students with an understanding of the most efficient and cost-effective tools and methods for researching U.S. and tribal law. It includes lecture sessions, hands-on research training, and practical exercises across a range of subject areas for both print and electronic sources. (F, Sp)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| LAW     | 5103   | Civil Procedure I                                       | Civil procedure in state and federal courts; introductory survey of procedures by which questions of substantive law commonly are raised and determined; procedural and remedial background; law governing controversies in federal courts; details of procedure in a lawsuit, including forum selection, pleading, joinder of claims and parties, discovery, the pretrial conference, disposition without trial, trial before a judge or jury, post-trial motions and appeals; issue and claim preclusion. (F) |
| LAW     | 5112   | Foundations of Contract Law for the Energy Industry-MLS | Prerequisite: admission to Masters of Legal Studies Program. Explores the formation, drafting, interpretation and enforceability of contractual promises. Subjects include contract formation, performance, termination of contracts, material breach, remedies for breach of contract, mistake and excuse for nonperformance, statute of frauds, interpretation of contract language, conditions, assignment and delegation, and third party beneficiaries. (F, Sp)  |
| LAW     | 5114   | Contracts   | Prerequisite: admission to College of Law. Basic first-year survey course which explores the nature and enforceability of promises. Subjects include contract formation, performance, termination of contracts, material breach, remedies for breach of contract, mistake and excuse for nonperformance, statute of frauds, interpretation of contract language, conditions, assignment and delegation, and third party beneficiaries. (F)  |
| LAW     | 5123   | Legal Research, Writing & Analysis I                    | Prerequisite: admission to the College of Law. Focuses on the legal research, writing, and communication skills necessary for a lawyer to identify a client's legal issue; research and understand the relevant law; and precisely and objectively analyze how the law applies to the client's situation, so the lawyer can advise the client or decide how to best meet the client's goals. (F)  |
| LAW     | 5130   | Lincoln, the Constitution and the Crisis of the Union   | 2 to 3 hours. Prerequisite: LAW 5134. Study of: 1) the constitutional debate about the character of a 'more perfect union' and federalism prior to 1861; 2) the limited commitment to human rights in the pre-1868 Constitution, and the antebellum inspirations for the Reconstruction constitutional amendments; 3) the national government's powers to preserve the Union, and the South's claim of a constitutional right to secede. (F, Sp)  |
| LAW     | 5134   | Constitutional Law                                      | Selected issues, including: judicial review; the judicial process in construing and applying the United States Constitution; federal and state powers, federalism and separation of powers; an introduction to the concepts of equal protection and due process. (Sp)   |
| LAW     | 5143   | Torts II  | Prerequisite: admission to College of Law. Course principally covers strict liability, products liability, vicarious liability, defamation, compensatory and punitive damages, wrongful death claims, nuisance, misrepresentation and fraud. (Sp)   |
| LAW     | 5144   | Torts   | Prerequisite: admission to the College of Law. Introduction to basic principles of civil liability, with study of selected issues, which may include intentional wrongs, negligence, strict liability, vicarious liability, defenses and immunities, comparative fault, assessment of damages, nuisance, products liability, misrepresentation, injuries to reputation, and alternative compensation systems. (F, Sp)   |
| LAW     | 5153   | Supreme Court Theory and Practice                       | Prerequisite: LAW 5134. In this course on the decision-making processes and practices before and behind-the-scenes at the Supreme Court, students act as law clerks assisting in the review of pending certiorari petitions; lawyers arguing pending cases; justices voting on those cases and drafting judicial opinions deciding them; and scholars studying the Court's role as a key and controversial institution in our constitutional democracy. (F, Sp)   |
| LAW     | 5202   | Legal Research, Writing & Advocacy II                   | Introduction to oral advocacy and brief writing. (Sp)   |
| LAW     | 5203   | Civil Procedure II                                      | Civil procedure in state and federal courts; introductory survey of procedures by which questions of substantive law commonly are raised and determined; procedural and remedial background; law governing controversies in federal courts; details of procedure in a lawsuit, including forum selection, pleading, joinder or claims and parties, discovery, the pretrial conference, disposition without trial, trial before a judge or jury, post-trial motions and appeals; issue and claim preclusion. (F) |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| LAW     | 5223   | Criminal Law   | General principles of criminal responsibility and the elements of common law, statutory crimes, and defenses. Emphasis is placed on the subject of criminal intent. (Sp)  |
| LAW     | 5232   | Introduction to Property Law and Natural Resources-MLS | Prerequisite: admission to Masters of Legal Studies Program. Provides an introduction to basic property concepts relevant for the oil and gas and energy industries, including: adverse possession; estates in land; mineral title, surface title, co-ownership, non-possessory interests (including easements, real covenants and equitable servitudes). (F, Sp)   |
| LAW     | 5234   | Property   | Introduction to basic property concepts, including: adverse possession; estates in land; landlord and tenant; concurrent estates; nonpossessory interests (including easements, licenses, covenants and equitable servitudes); and real estate transactions. (Sp)   |
| LAW     | 5303   | Criminal Procedure: Investigation                      | Prerequisite: LAW 5223. Examines the constitutional criminal procedure of police investigations, including the Fourth Amendment's protection against unreasonable search and seizure, the Fifth Amendment's guarantee of due process and privilege against compulsory self-incrimination, and the Sixth Amendment's right to counsel. (F, Sp)   |
| LAW     | 5314   | Evidence   | Presentation of evidence; judicial control and legal reasoning in the determination of issues of fact; topics relating to the admissibility of evidence, including relevancy, testimonial and real evidence; the original writing rule; and topics relating to the exclusion of evidence, including hearsay, the right of confrontation and privileged communications. (F, Sp)  |
| LAW     | 5323   | Professional Responsibility                            | The nature of law as a profession; problems facing the profession and the individual lawyer. Fundamentals of legal ethics and responsibilities, with emphasis on the Model Rules of Professional Conduct of the American Bar Association. (F, Sp, Su)   |
| LAW     | 5403   | Administrative Law                                     | Basic considerations relating to administrative agencies, including nondelegation doctrine, fact versus law distinction, agency rule making, adjudication, due process requirements, information gathering, and judicial review. (F, Sp, Su)  |
| LAW     | 5410   | Bankruptcy   | 3 to 4 hours. Rights and remedies of debtors and creditors; bankruptcy including liquidation, reorganization, and wage earner plans; attachment, judgment execution; garnishment, fraudulent conveyances, bulk sales and collection remedies including compositions and assignments. (F, Sp)  |
| LAW     | 5433   | Corporations   | Formation of corporations; duties and powers of corporate management; corporate control; shareholder rights, shares, dividends; derivative suits, fundamental changes and dissolution. (F, Sp)  |
| LAW     | 5434   | Business Associations                                  | Prerequisite: admission to the College of Law. Introduction to the law of business associations with a focus on the modern corporation. Particular attention is directed to organizational structuring and the allocation of control among stockholders, directors, and officers. Federal securities law is introduced, but not covered in a substantial manner. Limited attention will also be given to the basic principles of agency, partnerships, LPs, and LLCs. (F, Sp) |
| LAW     | 5443   | Family Law   | The rights, obligations, and liabilities arising from marital and nonmarital relations; divorce; marital property alimony, child support. (F, Sp, Su)   |
| LAW     | 5450   | The First Amendment                                    | 2 to 3 hours. Prerequisite: 5214. The First Amendment: Individual rights of expression, assembly, association and religion. Permissible government restrictions and regulations in relation to activities protected by the First Amendment. (Irreg.)  |
| LAW     | 5463   | Income Taxation of Individuals                         | Structure of the federal income tax with emphasis on operation of the system through use of concepts such as income, basis, gains and losses, realization and recognition, exclusions and deductions. (F, Sp)   |
| LAW     | 5470   | Wills and Trusts                                       | 3 to 4 hours. Intestate succession, execution, interpretation, amendment, revocation and contest of wills, rights of decedent's family, will substitutes and the avoidance of probate; creation, validity, funding, amendment and termination of trusts and the fiduciary obligation. (F, Sp)   |
| LAW     | 5520   | Alternative Dispute Resolution                         | 2 to 3 hours. Negotiation, mediation and arbitration; includes court-ordered arbitration, mini-trials, summary jury trials and other formal and informal means of resolving disputes short of formal court adjudication. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| LAW     | 5530   | Civil Pretrial Litigation                      | 2 to 3 hours. The study of litigation tactics and techniques prior to trial. Included are discovery, motion practice, witness preparation, settlement, alternate dispute resolution, pretrial conferences, mini-trials, summary jury trials, and other related areas. (F, Sp)   |
| LAW     | 5533   | Conflict of Law                                | The law relating to transactions with elements in more than one state or nation, jurisdiction of courts and enforcement of foreign judgments, choice of law problems, constitutional issues, and the theoretical basis of choice of law, including an introduction to the problems of renvoi and characterization. (Irreg.)   |
| LAW     | 5543   | Federal Courts                                 | Examines concepts of case or controversy, federal subject matter jurisdiction; supplemental jurisdiction; venue; removal; substantive law applied in federal courts; and the relationship of the state and federal courts. (Irreg.)   |
| LAW     | 5553   | Remedies                                       | A study of remedies available in court actions, including specific performance, injunctions, and other equitable remedies. (F, Sp)  |
| LAW     | 5600   | Selected Legal Problems in American Indian Law | 2 to 3 hours. Content varies. Study of current legal problems as they relate to Indian law. (Irreg.)  |
| LAW     | 5602   | Comparative Indigenous Peoples' Law Seminar    | Prerequisite: admission to College of Law. Seminar will examine the differences and similarities between Canadian, United States, Australian and New Zealand laws affecting native peoples. Participants in the seminar will include students from law schools at University of Ottawa, University of Saskatchewan, Auckland University, and Monash University attending via television. Federal Indian law is not a prerequisite, but strongly recommended. (Sp)   |
| LAW     | 5603   | Native American Natural Resources-MLS          | Prerequisite: admission to Masters of Legal Studies Program. Provides an overview of the history of U.S. native policy and the basic doctrines of Indian law, then covers a variety of issues relating to tribal interests in and jurisdiction over environmental resources. Topics includes tribal rights to land; land use and environmental protection in Indian country; economic and natural resource development issues (including grazing, minerals, timber, and taxation); hunting and fishing rights; as well as international perspectives on indigenous resources. Throughout the course, students will consider the roles of the tribal, federal, and state governments in resource regulation and use. (F, Sp) |
| LAW     | 5610   | Federal Indian Law                             | 2 or 3 hours. The history of federal Indian policy and its impact on modern Indian problems; the Bureau of Indian Affairs; the federal government-Indian relationship and policy; tribal sovereignty; states' rights; criminal, civil, and taxing jurisdiction in Indian country; rights of individual Indians; tribal self-government; property rights; water rights; and hunting and fishing rights. (F).   |
| LAW     | 5613   | Criminal Jurisdiction in Indian Country-MLS    | Prerequisite: admission to Masters of Legal Studies Program. Traces the development of the rules governing the exercise of criminal jurisdiction in Indian Country by three sovereigns: federal government, state government, and tribal government. Materials examined include historical treaties, major federal statutes, and U.S. Supreme Court decisions. Students should finish the course with the ability to understand, analyze and contribute meaningfully to discussions regarding criminal jurisdiction problems in Indian Country. (F, Sp)   |
| LAW     | 5622   | History of Federal Indian Law and Policy I-MLS | Prerequisite: admission to Master of Legal Studies program. Traces the development of British colonial and United States policy towards indigenous peoples in North America from the Seventeenth Century through the major policy initiatives of the Nineteenth Century. (F, Sp)  |
| LAW     | 5623   | Religion, Culture & Indian Law-MLS             | Prerequisite: admission to online Masters of Legal Studies Program. Examines the roles of law and policy on Native American religious and cultural practice. Explores issues relating to tribal interests and jurisdiction over Native religion and culture including information concerning preservation, restoration, and destruction of sacred sites and indigenous remains, the laws and practices pertaining to species protection and sacred species, institutionalized persons, as well as entheogens, protection of cultural and intellectual resources. International law as related to indigenous religions and culture is also explored.(F, Sp)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| LAW     | 5632   | History of Federal Indian Law and Policy II-MLS     | Prerequisite: admission to Master of Legal Studies program. Traces the development of British colonial and United States policy towards indigenous peoples in North America from the major policy initiatives of the Nineteenth Century to the present day. (F, Sp)   |
| LAW     | 5633   | Native American Natural Resources                   | Prerequisite: admission to College of Law. Covers a variety of issues relating to tribal interests in and jurisdiction over environmental resources. Course coverage includes tribal rights to land; land use and environmental protection in Indian country; economic and natural resource development issues (including grazing, minerals, timber and taxation), water rights, and hunting and fishing rights. (F, Sp)  |
| LAW     | 5642   | Indigenous Peacemaking                              | Prerequisite: admission to the College of Law. Students will compare and contrast Tribal Justice and the American Justice system, and the history of dispute resolution of Tribal Nations. Students will examine peacemaking through case studies demonstrating healing through justice. Peacemaking designs to restore harmony while developing the wisdom of consensus outcomes. Students will learn through study and participation the structure of the peacemaking circle and community development. (F, Sp)   |
| LAW     | 5643   | International Indigenous Peoples Law-MLS            | Prerequisite: admission to Masters of Legal Studies Program. Explores the development of international law rules relating to the rights of indigenous peoples from the early 20th Century through the present, focusing on modern international institutions and instruments including the UN Declaration on the Rights of Indigenous Peoples. (F, Sp)  |
| LAW     | 5653   | Civil Regulatory Jurisdiction in Indian Country-MLS | Prerequisite: admission to Masters of Legal Studies Program. Examines the most common area of jurisdictional claims in Indian Country: civil jurisdiction. The course covers tribal recognition, the scope of Indian Country, and tribal sovereignty. The course then focuses on State-Tribal struggles over jurisdiction, followed by an examination of recent Supreme Court diminishment of tribal authority, particularly over nonmembers. Finally, environmental regulation and the tribal role within the system of cooperative federalism will be covered. (F, Sp)                                    |
| LAW     | 5663   | Federal Indian Water Law-MLS                        | Prerequisite: admission to Masters of Legal Studies Program. Explores the context, decisional and statutory law, and overarching policies that shape water law. Examines foundations in both federal Indian law and basic principles of water law, including relevant substantive and procedural law, and mechanics and social issues relating to water resource management. Also, explores state and federal powers and roles in relation to American Indian tribes and water resources; intergovernmental/ intercommunity conflict, as well as methods of management and resolution. (F, Sp)              |
| LAW     | 5673   | Indian Gaming Laws & Regulations-MLS                | Prerequisite: admission to Masters of Legal Studies Program. Examines litigation and history of tribal gaming, along with critical decisions rulings on tribal/state compacting and scope of gaming conflicts. Explores tribal compacting experiences around the country with focus on Oklahoma tribes and the Oklahoma Model Gaming Compact of 2004. Distinguishes the regulatory roles of tribes, states and the feds and explores differences in Class II and Class III gaming, regulations and disputes. Explains creative approaches to financing and development of tribal gaming facilities. (F, Sp) |
| LAW     | 5683   | Tribal Economic Development-MLS                     | Prerequisite: admission to Masters of Legal Studies Program. Explores the legal rules impacting economic development in Indian country including land use, leasing, burdening, and alienation, natural resource development and exploitation, federal government contracting, and gaming and tourism. Within these issues, the course will explore tribal code development, employment and labor regulation, environmental impact and regulation, tribal partnerships and transactions with non-tribal parties, and the mechanics of dispute resolution. (F, Sp)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| LAW     | 5693   | The Indian Child Welfare Act & Family Law in Indian Country-MLS | Prerequisite: admission to Masters of Legal Studies Program. The Indian Child Welfare Act, passed by Congress in 1978, remains a controversial law that grants tribes and the parents of Indian children special rights within state court systems. The requirements of the law raise significant issues for trial courts, and often serve as the flashpoint of tribal/state disputes. In order to understand the conflicts raised by the ICWA, the student must understand both the clash of sovereigns and the state laws involving children. Students will learn the basic requirements of the ICWA and the varying ways states have interpreted those requirements. (F, Sp) |
| LAW     | 5702   | Agency and Partnership  | Legal principles concerning association in business by agency, partnership, and other unincorporated forms. (F, Sp)   |
| LAW     | 5703   | Antitrust Law   | Federal and state antitrust laws approached on the basis of type of conduct, i.e., monopolies, mergers, price control by private business, exclusive dealing contracts, fair trade pricing, agreements not to compete; discrimination in distribution and refusals to deal; and unfair trade practices. (F)   |
| LAW     | 5712   | Corporate Drafting  | Prerequisite: LAW 5433 or LAW 5434. Will cover transactional drafting skills as well as business planning and counseling in the corporate setting. Students will draft a variety of corporate and transactional provisions and documents such as certificates of incorporation, bylaws, board resolutions, and proxy statements. (F, Sp)  |
| LAW     | 5713   | Transactional Law Practicum I: Business Combinations            | Prerequisite: LAW 5433 or LAW 5434. This course offers the opportunity to learn about transactional law practice by completing a simulated public company corporate transaction. (F)  |
| LAW     | 5720   | Corporate Finance   | 2 or 3 hours. The course will cover advanced topics in corporate law, including valuation, senior securities, successor liability and mergers and acquisitions. (Irreg.)  |
| LAW     | 5723   | Tribal Courts in Indian Country-MLS                             | Prerequisite: admission to Masters of Legal Studies Program. This course examines the relationship between Tribal Nations and the three main sovereigns: Federal government, state governments, and tribal governments. Students will understand, analyze and discuss the importance of tribal court to tribal sovereignty, the tribal people, and to specific tribal cultures. (F, Sp)   |
| LAW     | 5732   | Insurance   | Life, health, property, and liability insurance, including the nature of insurance, insurance interest, interests of the named insured and others, subrogation, the insured event, exceptions, warranties, representations, concealment, formation of the contract, and waiver and estoppel. (Irreg.)   |
| LAW     | 5733   | Unincorporated Business Entities                                | Prerequisite: admission to the College of Law. Deals with the legal principles concerning association in business by agency, partnership, and other unincorporated forms. The agency relationship and its consequences are covered in detail. Unincorporated business organizations such as the general partnership, LP, and LLC are covered, focusing on topics such as formation, liability, fiduciary obligations, and dissolution. If time permits LLP and closely-held corporations will be included. (F, Sp)  |
| LAW     | 5740   | Payment Systems   | 2 to 3 hours. Course will cover the checking system, the credit and debit card system, electronic funds transfer, letters of credit, interest payments, negotiable instruments and the securities trading and settlement system. Substantive law would be Articles 3, 4, 4A, 5 and 8 of the UCC as well as the Expedited Funds Availability Act, parts of the Truth in Lending Act and the Electronic Funds Transfer Act (and implementing regulations.) (F, Sp)  |
| LAW     | 5743   | Transactional Law Practicum II: Law of Innovation               | Prerequisite: LAW 5433 or LAW 5434. This course offers the opportunity to learn and experience the law of innovation by advising in a start-up context in a simulation. (Sp)  |
| LAW     | 5750   | Secured Transactions  | This course will cover Article 9 of the Uniform Commercial Code. Topics covered include the establishment and perfection of security interests pursuant to credit sales contracts, problems of focusing on the interface between Article 9 and federal bankruptcy law, priority disputes among collateral claimants, default, and rights after default. Emphasis will be placed on developing an understanding of and facility with the code's statutory scheme. (F, Sp)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| LAW     | 5753   | Federal Securities Regulation                                | Federal securities laws and the activities and industry they govern; the meaning of "security"; regulation of the issuance, sale, resale, and purchase of securities; disclosure requirements, generated by registration; anti-fraud provisions; and civil liability. (F, Sp)   |
| LAW     | 5763   | Mergers and Acquisitions                                     | Prerequisite: prior or concurrent enrollment in 5433. Provides an understanding of the issues arising in business acquisition (and divestiture) transactions. Coverage is given to theories underlying acquisitions, alternative acquisition techniques and planning considerations that bear on the choice among those techniques. (Sp)  |
| LAW     | 5810   | Capital Punishment and the Judicial Process                  | 2 or 3 hours. Study of the death penalty in the United States, including: the history of capital punishment; constitutional issues mitigating and aggravating evidence in guiding the sentencer's decision to impose; exclusion of jurors; use of psychiatric experts; state post-conviction remedies; federal habeas review; recently-expanded federal death penalty; and international law and capital punishment. (Irreg.)   |
| LAW     | 5830   | Criminal Procedure: Adjudication                             | 2 to 3 hours. Prerequisite: LAW 5223. Examines the adjudicatory phase of our criminal procedure, beginning after arrest and continuing through to post-conviction matters. We consider federal constitutional provisions and rules of procedure, the policies underlying those requirements, and their impact on the roles of prosecution and defense counsel. (F, Sp)  |
| LAW     | 5902   | Introduction to the American Legal System-MLS Healthcare Law | Prerequisite: Admission to the Master of Legal Studies Program. Examines the United States court system, the role of the Constitution, and other foundations in US law and their relation to the healthcare system. Introduces students to fundamental principles in US law. Explains how law functions with our society and how it plays a role in conflict resolution, civil liberties, equality, in contracts, and interacts with the U.S. healthcare system. (F, Sp)  |
| LAW     | 5911   | Introduction to the American Legal System-MLS                | Prerequisite: admission to Masters of Legal Studies Program. Examines the United States court system, the role of the Constitution in the United States legal system, and other foundation materials in United States law. The goal is to introduce students to distinctive aspects and/or fundamental principles in U.S. law. This course explains how law functions with various aspects of our society and how it plays an increasingly significant role in conflict resolution, civil liberties and equality, and in contracts and property agreements. (F, Sp) |
| LAW     | 5913   | American Legal History                                       | Prerequisite: admission to College of Law. The development and characteristics of American legal institutions and basic themes in American law and legal philosophy. (Sp)   |
| LAW     | 5920   | Complex Litigation   | 2 to 3 hours. Examines the procedure for preparation and trial of mass tort and other complex cases in federal court including: jurisdiction, joinder, intervention, consolidation, transfer, discovery, preclusion, class action, and trial procedures. (Irreg.)   |
| LAW     | 5933   | History of Federal Indian Law & Policy-MLS                   | Prerequisite: admission to Masters of Legal Studies Program. Traces the development of British colonial and United States policy towards indigenous peoples in North America from the Seventeenth Century through the major policy initiatives of the Nineteenth, Twentieth, and Twenty-First Centuries, including Removal, Allotment, Reorganization, Termination and Self-Determination. Materials examined include major federal statutes and Supreme Court decisions. (F, Sp)   |
| LAW     | 5970   | Special Topics/Seminar                                       | 1 to 4 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit twelve hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| LAW     | 5980   | Research for Master's Thesis                                 | Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. (F, Sp, Su)   |
| LAW     | 5981   | Indigenous Peoples Law Capstone-MLS                          | Prerequisite: completion of 25 hours of required courses from the Master of Legal Studies Indigenous Peoples Law Program. A guided research course requiring completion of a project demonstrating mastery of a specific topic in American Indian law and policy or other Indigenous Peoples Law for students completing the Master of Legal Studies in Indigenous Peoples Law program. (F, Sp)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| LAW     | 5999   | Graduate Level Transfer Credit   | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| LAW     | 6010   | English Legal System   | 1 or 2 hours. This course covers England's contemporary legal system. Topics covered include the courts, the organization of the legal profession, the nature of the practice of law in England, access to civil and criminal justice and alternative dispute resolution. (Su)  |
| LAW     | 6020   | Comparative Law  | 2 or 3 hours. A comparison of the corresponding features of the American system of law and the systems of law of other nations. (F)   |
| LAW     | 6030   | European Union Law   | This course covers the legal status of the European Union and the sources, implementation, and enforcement of community law. Emphasis will be placed on the competition law of the European Union. (Su)   |
| LAW     | 6040   | International Business Transactions  | 2 or 3 hours. Legal issues in international trade, licensing, and investment; limitations affecting movement of goods and flow of capital; organization, financing, and protection of international business; contract negotiation and dispute resolution and foreign investment. (F)   |
| LAW     | 6050   | International Human Rights   | 2 to 3 hours. The sources, norms, institutions, and process of international human rights law; the incorporation of human rights law into domestic legal systems, particularly the United States. (Irreg.)  |
| LAW     | 6060   | International Law Foundations  | 2 to 3 hours. An introduction to the international legal system: its structure, rules, and process; the incorporation of international law into domestic legal system, particularly in the United States; in current issues including dispute resolution, jurisdiction, environmental protection, human rights, and use of force. The course is not international business transactions or comparative law. (Sp)  |
| LAW     | 6100   | Selected Legal Problems  | 1 to 4 hours. Involved current legal problems. Subject matter and course credit will be included with the enrollment instructions. (F, Sp)  |
| LAW     | 6102   | Structure of Health Care Enterprises: Legal Forms, Governance, and Relationships-MLS | Prerequisite: Admission to the Master of Legal Studies Program. The course will cover the different legal forms a healthcare enterprise can take, including; Non-profits, physician owned, government owned, and Hospital systems. This course will also familiarize students with the contents and role of organizational documents, Governance issues, fiduciary duties, issues for tax exempt organizations, and relationships between Physicians and tax-exempt entities. (F, Sp, Su) |
| LAW     | 6110   | Bioethics and the Law  | 2 to 3 hours. Legal, ethical, and economic analysis of problems posed by advances in biomedical technologies. Includes problems raised by behavior control through direct organic intervention, genetic engineering; extension of human powers and faculties by artificial means, human reproduction and death control; and regulation of experimentation involving human subjects. (Irreg.)  |
| LAW     | 6112   | Sources and Types of Liability of Healthcare Institutions and Professionals-MLS      | Prerequisite: Admission to the Master of Legal Studies Program. Will discuss how the healthcare providers and institutions can be held liable as well as the consequences of agency and contractor status. In addition, this course will cover the elements of negligence in cases involving healthcare professionals. (F, Sp, Su)  |
| LAW     | 6122   | Regulation of Private Health Insurance, Managed Care-MLS                             | Prerequisite: Admission to the Master of Legal Studies Program. Details the regulation of health insurance companies with a focus on changes brought about by the Affordable Care Act (ACA). The ACA is federal legislation, with implementation reliant on the states. Will address how the regulatory system will adapt to the federal health care scheme. Students will become familiar with managed care contracts and analyze health care plans and policies. (F, Sp, Su)            |
| LAW     | 6130   | Education Law  | 2 or 3 hours. A survey of legal issues affecting education, including students' rights, teachers' rights, desegregation, special education, educational finance, and church-state relations. (Irreg.)   |
| LAW     | 6132   | Quality Control: Licensing, Accreditation, and Quality Regulation-MLS                | Prerequisite: Admission to the Master of Legal Studies Program. Designed to introduce students to the laws, agencies, and other bodies that license, regulate and discipline physicians. Topics covered will include licensing proceedings and hearings and health care entity policies addressing these issues. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| LAW     | 6142   | Professional Relationships in Health Care Enterprises-MLS | Prerequisite: Admission to the Master of Legal Studies Program. Covers professional relationships between and among healthcare enterprises and the differences and between direct employment and independent practitioners with privileges when looking at; credentialing, disciplinary issues, and the Healthcare Quality Improvement Act. (F, Sp, Su)   |
| LAW     | 6150   | Equal Employment Opportunity                              | 2 to 3 hours. Federal laws prohibiting employment discrimination including Title VII of the Civil Rights Act of 1964 and federal regulations mandating affirmative action by federal contractors. (F, Sp)   |
| LAW     | 6152   | HIPAA/Patient Privacy-MLS                                 | Prerequisite: Admission to the Master of Legal Studies Program. Explores the federal regulatory scheme designed to protect the privacy and security of health information. Topics covered include; Entities and information to which the Health Insurance Portability and Accountability Act of 1996 HIPAA) applies, HIPAA compliance and enforcement, American Recovery and Reinvestment Act (ARRA), and the Health Information Technology for Economic and Clinical Health (HITECH) Act. (F, Sp, Su)                            |
| LAW     | 6153   | Overview of Public Health Care Programs-MLS               | Prerequisite: Admission to the Master of Legal Studies Program. Will cover public health insurance (including Medicare, Medicaid, government hospitals, and other government-financed health programs). In addition, this course will cover what treatment is required of anyone coming into an Emergency department by the Emergency Medical Treatment and Labor Act (EMTALA). (F, Sp, Su)   |
| LAW     | 6162   | Health Information Management-MLS                         | Prerequisite: Admission to the Master of Legal Studies Program. Will cover health information law and policy as it pertains to data security and privacy of electronic health records in the United States. Students will examine how individual health information is collected, maintained, and transferred in this electronic information age, and the ramifications when such information is improperly protected, stolen, and misused. (F, Sp, Su)   |
| LAW     | 6170   | Gender Based Discrimination                               | 2 to 3 hours. Problems affecting women in domestic relations, education, employment, social security, criminal justice, credit practices, insurance, and or military service; feminist jurisprudence. (Irreg.)  |
| LAW     | 6172   | Health Care Transactions and Contracts-MLS                | Prerequisite: Admission to the Master of Legal Studies Program. This course covers the business, regulatory, and legal issues that arise in healthcare business transactions: asset sales, mergers, joint ventures, procurement contracts, and the application of tax laws to transactions. In addition, this course will cover the fundamental principles of contract law and the role of valuations in healthcare transactions. (F, Sp, Su)   |
| LAW     | 6173   | Fraud and Abuse Claims-MLS                                | Prerequisite: Admission to the Master of Legal Studies Program. Will cover federal physician self-referral law, fraud and abuse law. Students will learn the statutes, regulations, and advisory opinions that define the parameters of physician referrals and anti-kickback laws, analyzing case studies for those issues. Students will familiarize themselves with the False Claims Act and other laws, regulations, and government regulatory actions designed to combat false claims and fraudulent activities. (F, Sp, Su) |
| LAW     | 6182   | Coding and Billing-MLS                                    | Prerequisite: Admission to the Master of Legal Studies Program. Provides students with working knowledge of the business side of medicine: medical record documentation, coding and billing. This course will provide students with an in-depth knowledge of the legal role of the medical record, specifically in the context of obligations for the organization of the medical record and its support for reimbursement of services. (F, Sp, Su)   |
| LAW     | 6183   | Experiencing a Simulated Investigation-MLS                | Prerequisite: Admission to the Master of Legal Studies Program. Prepares students for experiencing an investigation including how to prepare for potential investigation and how to respond to and cooperate with an investigation. A portion of the course will involve live simulation exercises. (F, Sp, Su)   |
| LAW     | 6190   | Health Law  | 2 or 3 hours. The legal aspects of medicine; civil liability of medical professionals and health care providers; organization and regulation of the medical profession; uses of medical science in litigation; selected health sciences and public policy issues such as human reproduction, the right to treatment, and mental health problems. (F, Sp)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| LAW     | 6191   | Introduction to the US Healthcare System-MLS     | Prerequisite: Admission to the Master of Legal Studies Program. Focuses on the organization, financing, and delivery of healthcare in the U.S. Contrasts private and public sectors and examines the effects of market competition and government regulation. Examines the ways that medical providers are paid, and issues facing the healthcare field. Discusses potential reforms to the U.S. healthcare system and evaluates their effects on healthcare spending and quality of care. (F, Sp, Su)   |
| LAW     | 6192   | Anti-Trust Issues in Healthcare Delivery-MLS     | Prerequisite: Admission to the Master of Legal Studies Program. Focuses on antitrust issues relevant to health care providers: hospital and physician mergers, virtual mergers and joint ventures; exclusive contracts and other medical staff exclusion issues; covenants not to compete; managed care plans; antitrust defenses such as state action, nonprofit, learned profession, efficiencies, failing business, etc.; and federal and state healthcare antitrust regulatory efforts, including healthcare collaborative guidelines. (F, Sp, Su) |
| LAW     | 6203   | Design Law                                       | Prerequisite: admission to the College of Law. Focuses on intellectual property protection for designs. Specific areas of coverage will include design patents, copyright in useful articles, trade dress, and sui generis design laws. Although this course will mainly focus on U.S. law, it will also cover the European design protection system and the Hague Agreement Concerning the International Registration of Industrial Designs. (F, Sp)  |
| LAW     | 6210   | Immigration Law                                  | 2 to 3 hours. Constitutional, statutory, and regulatory framework for the admission, exclusion, and deportation of non-citizens who seek immigrant and non-immigrant status in the United States; refugee and asylum law and policy, and citizenship acquisition. (F, Sp)  |
| LAW     | 6213   | Intellectual Property Survey                     | Prerequisite: admission to the College of Law. Provides a high-level introduction to U.S. IP law. Specific areas of coverage include patents, trade secrets, trademarks, and copyright. This course is designed for students who plan to specialize in IP and would like a high-level overview, students who are not sure if they'd like to specialize IP, and students who plan to work in any commercial setting. (F, Sp)  |
| LAW     | 6223   | Trademarks & Unfair Competition                  | Prerequisite: admission to the College of Law. This course provides an in-depth survey of U.S. law related to the law, theory, and institutions governing trademarks and unfair competition. Specific areas of coverage will include trademark registration, the scope and nature of trademark rights, rights of publicity, domain name disputes and the law of false advertising. (F, Sp)   |
| LAW     | 6311   | American Indian Law Review                       | Production of a written note or comment for the Review or other approved activities associated with production of the Review. (F, Sp, Su)  |
| LAW     | 6313   | Child Abuse Clinic                               | Prerequisite: 5443, 6113. Each student enrolls for an entire academic year for three hours each semester. (F, Sp, Su)  |
| LAW     | 6320   | Directed Legal Research                          | 1 to 2 hours. Legal research and writing under the supervision of a faculty member. The student must write a paper of sufficient quality to be considered for publication in a law review or other publication. A student may enroll in one or two credit hours with supervising faculty member's permission. (F, Sp, Su)  |
| LAW     | 6321   | Competitions                                     | Students who participate on a trial or appellate advocacy competition team sponsored by the College of Law and directly supervised by a faculty member may enroll in this course. (F, Sp)  |
| LAW     | 6323   | Criminal Defense Clinic                          | Prerequisites: 5104, 5314, 5323, and legal intern license. Clinical experience providing students the opportunity to represent indigent defendants charged with municipal, misdemeanor and felony offenses in Cleveland and McClain Counties. Students handle every aspect of the defense of a criminal case, including interviewing, investigating, negotiating, litigating motions and conducting the trial. (F, Sp, Su)   |
| LAW     | 6331   | Oil & Gas, Natural Resources, and Energy Journal | Prerequisite: admission to College of Law and ONE J membership. Production of case summaries of recently released court decisions on matters relating to oil and gas, natural resources, and/or energy. (F, Sp)  |



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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| LAW     | 6342   | Advanced Persuasive Writing   | Prerequisite: LAW 5123 and LAW 5202. We will approach persuasive writing from different practical and theoretical perspectives as we investigate why some writing is more persuasive than others and the specific steps we can take to make our legal writing more effective. Students continually critique contemporary examples, write, edit, and receive critique, having repeated opportunities to gain new insights and put them to use. (F, Sp)   |
| LAW     | 6352   | Negotiations, Communication, and Ethics-MLS                         | Prerequisite: admission to Masters of Legal Studies Program. Teaches effective negotiation and communication skills through a series of mock negotiation exercises. In addition, this course will discuss ethical dilemmas raised in the oil and gas industry. (F, Sp)  |
| LAW     | 6360   | Interviewing, Counseling and Negotiation                            | 3 to 4 hours. Theoretical and practical aspects of interviewing, counseling and negotiation, including simulation of situations calling for these skills, taught in a lecture-workshop format with a lecture and demonstration on a particular topic each week, followed by small workshops in which students simulate the lawyer's role. (F, Sp)   |
| LAW     | 6363   | Civil Clinic  | Prerequisites: 5104, 5314, 5323 and intern license. Student interns, working from an office operated by the Law Center, participate in actual representation of low-income clients in civil trials and transactions. Experience is acquired through court appearances, jury and non-jury trials, interviewing, discovery, drafting of pleadings, negotiation and counseling under the supervision of the clinical legal education staff. Students maintain an active caseload and office hours. (F, Sp, Su) |
| LAW     | 6382   | Intermediate Legal Writing: Introduction to Non-litigation Drafting | Prerequisite: LAW 5123 and LAW 5202. Course will provide you with the tools necessary to design, evaluate, and modify non-litigation documents, including contracts, wills, client letters, and legislation. Students will identify document users, determine competing objectives and interests, choose among drafting alternatives consistent with the relevant law, and test the content and organization of documents for intended and unintended consequences. (Sp)                                    |
| LAW     | 6391   | Oklahoma Law Review   | Prerequisite: Oklahoma Law Review membership. Production of a written note or comment for the Review or other approved activities associated with production of the Review. (F, Sp, Su)   |
| LAW     | 6392   | Advanced Legal Research   | Prerequisite: LAW 5123 and LAW 5202. The ability to "find the law" is an important practical skill for attorneys. The goal of the course is to further develop a student's ability to find solutions to legal problems by formulating efficient and effective legal research strategies. This course emphasizes advanced online search techniques and explores how technology is impacting the delivery of legal information. (Sp)  |
| LAW     | 6400   | Selected Legal Problems of Applied Nature                           | 1 to 4 hours. Subject matter and course credit will be announced. (F, Sp)   |
| LAW     | 6410   | Trial Techniques  | 2 to 3 hours. Prerequisite: 5314. An introduction to basic trial techniques under simulated trial situations. Students will conduct opening statements, direct and cross examination of witnesses, introduce and use exhibits, impeachment, expert examination, jury selection, closing arguments and a final trial. (F, Sp, Su)  |
| LAW     | 6412   | Representing the Criminally Accused                                 | Prerequisite: admission to the College of Law; LAW 5314 recommended. Focuses on the practical aspects of criminal defense, from the business end of private practice to practical considerations such as whether to litigate and how to negotiate better deals. Students select a fact pattern then draft and argue bond hearings, conduct a preliminary hearing and argue a pre-trial motion. Relevant handouts are provided and students will conduct legal research. (F)                                 |
| LAW     | 6422   | Bar Exam Preparation I: Strategies and Tactics for Success          | Prerequisite: admission to the College of Law. Designed to help get a jump on preparations to pass the bar, but IS NOT a substitute for commercial bar exam preparation courses. Students will review substantive law in at least three areas heavily tested on the bar exam as they learn and practice skills necessary to maximize scores on both the multiple choice and essay portions of the exam. (F, Sp)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| LAW     | 6500   | Selected Problems in Agriculture                           | 1 to 4 hours. Selected issues in agricultural law, including agriculture environmental law, agricultural administrative law, agriculture public law, cooperatives. (Irreg.)  |
| LAW     | 6501   | Introduction to Petroleum Engineering and Geo-Sciences-MLS | Prerequisite: admission to Masters of Legal Studies Program. Presents an overview of the production life cycle from discovery to development and production of oil and gas. The course examines the different roles of the key players in each stage of this process. (F, Sp)  |
| LAW     | 6502   | Project Economics and Finance-MLS                          | Prerequisite: admission to Masters of Legal Studies Program. Introduces the economics and finance of capital-intensive projects, especially those involving power generation, public infrastructure, and extractive industries. Students will receive a broad overview of the project finance market, showing a typical project finance deal and the main players involved. The costs, benefits, and risks associated with project finance are also described. (F, Sp) |
| LAW     | 6510   | Energy and Natural Resources                               | 2 to 3 hours. Regulation of natural resources capable of energy fuels production; environmental technological and economic impacts of coal, water, oil, gas, uranium, and solar energy sources through exploration, development, production, transportation, and end use; legal context of natural resource conservation, allocation, and distribution. (Irreg.)   |
| LAW     | 6511   | Midstream Oil and Gas Law-MLS                              | Prerequisite: admission to Masters of Legal Studies Program. Provides an overview and an examination of the legal issues facing the midstream oil and gas industry. The midstream industry provides the infrastructure necessary to gather, process, transport, store and market crude oil, natural gas, natural gas liquids, and refined products. (F, Sp)  |
| LAW     | 6512   | Oil and Gas Law-MLS  | Prerequisite: admission to Masters of Legal Studies Program. Nature of property interests in oil and gas; conveyancing of interests in oil and gas; legal interests created by oil and gas leases; validity of leases; habendum, drilling, and rental clauses; assignment of interests of lessor and lessee; rents and royalties; and conservation of oil and gas. (F, Sp)   |
| LAW     | 6513   | Oil and Gas Regulatory Practice-MLS                        | Prerequisite: admission to Masters of Legal Studies Program. Offers a practical skills approach to oil and gas practice. This course will examine the regulation of oil and gas exploration, development, and production, including conservation law designed to prevent waste and protect correlative rights. The class will address securing a drilling permit, settling surface damages, well spacing and density. (F, Sp)  |
| LAW     | 6520   | Intellectual Property                                      | 2 to 3 hours. The nature of the rights, acquisition and enforcement of, and property and contract interests in patents, trademarks, and copyrights. (F, Sp)  |
| LAW     | 6521   | Federal Lands Offshore-MLS                                 | Prerequisite: admission to Masters of Legal Studies Program. Examines the oil and gas leasing and development of offshore federal and state lands. The class will address the role of federalism in the management of coastal zones, and federal regulation of drilling, operating, and producing wells. (F, Sp)   |
| LAW     | 6522   | Legal Drafting-MLS   | Prerequisite: admission to Masters of Legal Studies Program. How does one discover a client's objectives and then translate them into legal text (contracts, etc.) that has the best chance of accomplishing what the client wants? This skills course considers many different forms of legal drafting, focusing primarily on legal work intended for oil and gas contracts and surface-related agreement drafting. (F, Sp)   |
| LAW     | 6523   | Environmental Law  | Common law and statutory approaches to environmental, economic, and technological impacts on society; jurisprudential underpinnings of environmental law; environmental administrative process and scope of judicial review; quality standards for land, air, and water, including minimal standards for preventing degradation or exhaustion of human and natural environments. (F, Sp)   |
| LAW     | 6531   | Legal Research for the Energy Industry-MLS                 | Prerequisite: admission to Masters of Legal Studies Program. Students will be instructed on how to conduct energy-related research using a variety of sources, but especially using online resources. (F, Sp)  |

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| Subject | Number | Title                                | Course Description   |
|---------|--------|--------------------------------------|--|
| LAW     | 6532   | Federal, State, and Indian Lands-MLS | Prerequisite: admission to Masters of Legal Studies Program. Examines the oil and gas leasing and development of onshore federal, state, and Indian lands. This class will also consider the leasing of railroad rights of way and lands belonging to local governments. (F, Sp)   |
| LAW     | 6540   | Oil and Gas                          | 3 to 4 hours. Nature of property interests in oil and gas; conveyancing of interests in oil and gas; legal interests created by oil and gas leases; the validity of leases; the habendum, drilling, and rental clauses; assignment of interests of lessor and lessee; rents and royalties; and the conservation of oil and gas. (F, Sp)  |
| LAW     | 6542   | Midstream Oil and Gas Practice       | Prerequisite: admission to the College of Law; LAW 6540 recommended. An overview and examination of the legal issues facing the midstream sector of the oil and gas industry. This sector involves the gathering, transportation, storage, and marketing of oil and gas. Legal issues examined will include: the state and federal regulation of midstream operations; the negotiation of midstream contracts; and the use of Master Limited Partnerships to own midstream assets. (F, Sp)   |
| LAW     | 6543   | Copyright                            | Prerequisite: admission to the College of Law. Provides an in-depth survey of U.S. copyright law, theory, and policy. Topics will include the basic requirements for copyright protection, the nature and scope of the rights granted by the Copyright Act, and the normative foundations of copyright law. No technical background is required. (F)   |
| LAW     | 6550   | Oil and Gas Contracts                | 2 to 3 hours. Examination of contracts used in the oil and gas industry for exploration, production and development of oil and gas properties and for investment; the nature of the relationships created by such contracts, the rights and duties of the parties, income tax consequences and governmental regulation of such contracts. (Sp)   |
| LAW     | 6552   | International Petroleum Transactions | This course will study the international oil and gas business, a business that must be uniquely concerned with both public and private international law, as well as domestic law of the business entity's home state, the host government, and oftentimes, a third country. Students will study the sovereign rights to minerals, including disputes that arise between neighboring countries regarding boundary disputes. Students will look at how crude oil is bought and sold on the world market. Students will study the various types of host government contracts used by various countries to assign development rights to private companies, including how such rights are acquired, and study how disputes between a private company and host government are resolved. Students will also look at contracts between private companies engaged in exploration and production operations. (Sp) |
| LAW     | 6553   | Oil and Gas Contracts-MLS            | Prerequisite: admission to Masters of Legal Studies Program. Examination of specific provisions in contracts prevalent in the oil and gas industry for exploration, production, and development of oil and gas properties and for investment; the nature of the relationships created by such contracts; the rights and duties of the parties; income tax consequences of particular contracts. (F, Sp)  |
| LAW     | 6560   | Title Examination and Assurance      | 2 to 3 hours. A study of conveyancing, with emphasis on the examination of abstracts of title to real property. (F, Sp)  |
| LAW     | 6563   | Mineral Title Examination-MLS        | Prerequisite: admission to Masters of Legal Studies Program. Examines the study of the relevant law relating to and the preparation of a drilling title opinion and a division order title opinion in Oklahoma, Texas, and other states. (F, Sp)   |
| LAW     | 6570   | Real Estate Transactions             | 2 to 3 hours. The first two-thirds of the course covers the terms and legal issues involved in drafting, executing, and enforcing residential real estate contracts, including obtaining and evaluating title evidence prior to closing and recovery for breach of title guarantees. The last third of the course will introduce certain basic commercial real estate transactions, including processes and issues involved in housing subdivisions, condominiums, shopping centers, and commercial leases. (Irreg.)   |
| LAW     | 6572   | Real Estate Transactions-MLS         | Prerequisite: admission to Masters of Legal Studies Program. A study of the terms and legal issues involved in drafting, executing, enforcing, and recording real estate contracts, including obtaining and evaluating title evidence, different types of deeds, and basic financing. (F, Sp)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| LAW     | 6580   | Water Law                                      | 2 to 3 hours. The system of water rights; riparian, appropriation, and prescriptive rights; stream, surface, and ground water; transfer and termination of rights; injuries caused by water; development of water supplies; federal-state, interstate, and intrastate conflicts; water pollution control; federal and Indian rights and federal water resource problems. (F, Sp)   |
| LAW     | 6581   | Water Law for the Energy Industry-MLS          | Prerequisite: admission to Masters of Legal Studies Program. The system of water rights as related for energy extraction and development, including riparian, appropriation, and prescriptive rights; stream, surface, and ground water; transfer and termination of rights; injuries caused by water; development of water supplies; federal-state, interstate, and intrastate conflicts; water pollution control; federal and Indian rights; and federal water resource problems. (F, Sp)                              |
| LAW     | 6592   | Oil and Gas Environmental Law-MLS              | Prerequisite: admission to Masters of Legal Studies Program. Examines federal and state environmental laws that affect oil and gas lease transactions, drilling and completion operations, and production activities. (F, Sp)  |
| LAW     | 6662   | Employment Law Seminar                         | The law of employment, including personnel practices, employment contracts, employee rights and federal-state regulation of employer-employee relationships. (Irreg.)  |
| LAW     | 6670   | Torts III                                      | 2 to 3 hours. Tort remedies for interference with family relations, economic relations, and public rights, misuse of judicial process; economic and business torts, including interference with contractual relations, injurious falsehood, unfair competition, and misappropriation; publicity and privacy. (Irreg.)  |
| LAW     | 6680   | Family and Law of Torts Seminar                | 1 to 2 hours. Tort liability within the family, family tort liability to third parties, injuries to family members, interference with family relationships, wrongful birth, and related topics. (Sp)   |
| LAW     | 6690   | International Law - Common Law Systems Seminar | 1 to 2 hours. The practical introduction to the laws and legal systems of "common law" countries, other than the United States (England, Ireland, Canada, Australia, New Zealand, and most other countries that once were part of the British Empire), with emphasis on legal research, to gain experience in the use of foreign legal materials that are relevant to American legal problems, as well as international problems. (Irreg.)   |
| LAW     | 6700   | Selected Legal Problems Seminar                | 1 to 4 hours. May be repeated twice with change of content. Involves current legal problems. Subject matter and course credit will be included with the enrollment instructions. (F, Sp)   |
| LAW     | 6712   | Products Liability Seminar                     | Regulation and civil liability of manufacturers and distributors of defective products. (Sp)   |
| LAW     | 6722   | Indian Gaming Law & Regulation                 | Prerequisite: admission to the College of Law. Students will learn the legal and political history of the development of the Indian Gaming Industry with emphasis on the events directly impacting tribal gaming in the State of Oklahoma. We will study the pivotal court rulings related to the compacting and scope of gaming wars of the 1990's and discuss comparable tribal experiences around the nation. (F, Sp)   |
| LAW     | 6732   | War Crimes Tribunals Seminar                   | Prerequisite: admission to the College of Law. Examines various judicial institutions established outside the control of national legal systems for the prosecution of certain international atrocity crimes, including the International Criminal Tribunals for Yugoslavia and Rwanda, the Extraordinary Chambers of the Cambodian Courts and the Special Court of Sierra Leone. Attention will be paid to the background, jurisdiction, procedures, substantive law and daily operations of such institutions. (F, Sp) |
| LAW     | 6742   | The International Criminal Court Seminar       | Prerequisite: admission to the College of Law. Examines the International Criminal Court, the first permanent institution to prosecute atrocity crimes. Beginning with the creation of the ICC, the course will address the ICC's jurisdiction, substantive crimes, trial, appeal and punishment, while exploring situations and cases before the ICC. Discussions will include the future of the court, its emerging jurisprudence and the United States' evolving perspective and involvement. (F, Sp)                 |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| LAW     | 6752   | Comparative Responses to Terrorism and Political Violence Seminar | Prerequisite: admission to the College of Law. Examination of a wide range of legal issues related to terrorism and governmental responses. Topics include the framework of separate branches of government with shared national security power; fighting terrorists and international criminals; and protecting national security information in a democratic society. (F, Sp)  |
| LAW     | 6762   | Comparative Criminal Law Seminar                                  | Prerequisite: admission to the College of Law. Review and comparison of select criminal law issues in various national legal systems. Issues include the purpose and benefits of studying comparative law generally while covering specific topics including, among others, police powers and investigations, the role of the judiciary, role of the jury, due process concerns and the objectives of punishment. (F, Sp)  |
| LAW     | 6772   | Federal Sentencing Seminar  | Prerequisite: admission to College of Law. Examines aspects of sentencing unique to the federal court system, including application of complex sentencing guidelines. Federal sentencing provides one of the last frontiers for pure legal advocacy, as litigants seek departures or variances to fit the circumstances of the case while providing insight into the victims and/or defendants. Both critical guideline analysis and creative argument are reviewed and applied. (F, Sp) |
| LAW     | 6782   | Perspectives on Governmental Law                                  | Prerequisite: admission to the College of Law. Seminar designed around three vantage points or "perspectives" of Governmental legal practice -- Federal, State, and Tribal. Each perspective highlights the unique legal issues of governmental practice. Perspectives will be taught in a mentoring style. Topics will include: the duty to serve the public interest, open government, policy making, and the role of the lawyer advisor. (F)  |
| LAW     | 6792   | Federal Indian Water Law Seminar                                  | Prerequisite: admission to the College of Law. Students will study water rights and their management, and examine the complexity of inter-sovereign resource disputes. Will also explore the history and policy that have shaped water law, building on foundational Indian law cases and relevant history. Also will examine the substantive rules of federal Indian law cases and the complex intergovernmental processes in which these rules are applied. (F, Sp)                    |
| LAW     | 6810   | Estate Planning   | 2 to 3 hours. Prerequisite: 6843. Maximization, tax and non-tax issues relating to the preservation and administration of wealth through use of wills, trusts, future interests, and inter vivos gifts. (Sp)   |
| LAW     | 6820   | Business Tax  | 3 to 4 hours. Prerequisite: LAW 5463. This course surveys the federal income tax laws on organizing and running businesses as corporations, partnerships, S corporations, and LLCs. Also, the course looks at the taxation of oil and gas operations including exploration, development, production, and abandonment. No technical background is required. (F, Sp)   |
| LAW     | 6830   | Pensions and Employee Benefit Plans                               | 2 to 3 hours. Planning, establishment, and administration of pension, health care and other employee benefit plans under the tax and labor laws. (Irreg.)  |
| LAW     | 6832   | Partnership Tax   | Prerequisite: 5463. Subchapter K of the Internal Revenue Code, involving taxation of partnerships and partners. (F)  |
| LAW     | 6840   | Tax Procedure   | 2 to 3 hours. Prerequisite: 5463. Federal tax procedure and conflict resolution, including administrative practice, trial and appellate review. (Irreg.)   |
| LAW     | 6843   | Wealth Transfer Taxation  | Federal estate, gift, and generation-skipping transfer taxes, applicable to gratuitous transfers. (F)  |
| LDMA    | 1999   | Lower Division Transfer Credit                                    | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| LDMA    | 3999   | Upper Division Transfer Credit                                    | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| LDMA    | 5999   | Graduate Level Transfer Credit                                    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| LDMA    | 6052   | Graduate Lecture/Chamber Recital--Doctor Of Musical Arts Degree | Prerequisite: concurrent enrollment in 6020; permission of adviser and instructor. May not be elected during first enrollment. The preparation and presentation of a public lecture or chamber music recital. Requires the submission of a related written document. (F, Sp, Su)   |
| LGBT    | 1003   | Introduction to LGBTQ Studies                                   | Covers expansive fields of Lesbian, Gay, Bisexual, Trans*, and Queer studies. Includes issues related to lesbian, gay, bisexual, transgender, and queer communities, organizing, and theorizing. Emphasizes different aspects of LGBTQ studies including history, queer theory, popular culture, media, and literature. Examines its relationship with historical and contemporary movements as well as its productive, yet sometimes tenuous, relationship with feminist studies. (F, Sp) |
| LGBT    | 3263   | LGBTQ Movements   | (Crosslisted with WGS 3263) Prerequisite: WGS 1003 or junior standing. This course will focus on the mainstream gay and lesbian movement in US history, and how that movement shifted from radical to mainstream and the important debates therein. The course will also consider the impact of systems of oppression from colonialism to the US justice system on LGBTQ identity. (Irreg.)  |
| LGBT    | 3273   | Queer Theory  | (Crosslisted with WGS 3273) Prerequisite: WGS 1003 or junior standing. This interdisciplinary course is an introduction to the academic fields and debates within queer theory, specifically, normalization, resistance, and the practice of queering. The central focus is to examine, challenge, critique, and destabilize normative conceptions and representations of not just gender and sexuality but of other categories of being as well. (Irreg.)                                 |
| LING    | 1203   | Language Across Cultures  | (Crosslisted with ANTH 1203) Theories of language family origins and their relationship to human migration; types of human languages; linguistic concept of genetic relatedness; writing systems development; non-Western sociolinguistic and usage phenomena; cultural and scientific importance of endangered languages; how languages become endangered; factors involved in preservation. This course may not count for major credit. (Sp) [IV-NW]                                     |
| LING    | 1999   | Lower Division Transfer Credit                                  | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| LING    | 2303   | General Linguistics   | (Crosslisted with ANTH 2303) Humanistic and formal study of natural languages: how they are similar to, and different from, one another in their use of speech sounds, logical structures and mechanisms that integrate events, objects and speakers in spatio-temporal contexts. The relationship between language and culture; language acquisition and language change. (F, Sp) [I-O]   |
| LING    | 2970   | Special Topics  | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.  |
| LING    | 3033   | Phonetic Description  | Prerequisite: LING 2303. Study of the basic principles in forming the phonetic description of human speech. (Sp)   |
| LING    | 3043   | Linguistic Semantics  | Prerequisite: 2303. An introduction to basic ideas and concepts in the field of linguistic semantics. Includes discussion of current issues and representative theoretical approaches. (F)   |
| LING    | 3053   | Phonology   | Prerequisite: LING 3033. Phonology is the study of sound patterns found in human language. Provides a grounding in phonological theory by examining data from several of the world's languages. Covers the phoneme-allophone distinction, distinctive features, feature re-write rules, and a broad sampling of phonological phenomena. (F)  |
| LING    | 3133   | Phonetic Field Methods  | Prerequisite: 3033 or Anthropology 3033. This course covers techniques used to collect phonetic data, methodological concerns, the acoustic basis of speech sounds, how to record speech for linguistic analysis, and both acoustic and articulatory techniques for documenting the phonetic properties of speech. (Irreg.)  |

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| Subject | Number | Title                                | Course Description  |
|---------|--------|--------------------------------------|---|
| LING    | 3173   | Lesser Studied Languages             | Prerequisite LING/Anthropology 2303. Learning and discussing some of the core properties of a few languages that are not often taught in the language classroom. Develops the students' ability to discuss the properties of languages in a precise and careful way. (F, Sp)  |
| LING    | 3353   | Syntax                               | Prerequisite: LING 2303. An introduction to the fundamental concepts of Chomskyan syntax. Includes theory of categories and constituents, basic syntactic relations, case theory, and binding theory. (F)   |
| LING    | 3440   | Mentored Research Experience         | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| LING    | 3813   | Sociolinguistics                     | Prerequisite: LING/ANTH 2303. The study of the many ways human beings speak as a function of their being members of communities and societies. Included are multilingualism, creole languages, social and regional dialects, registers, gender, class, ethnic varieties, and language valuation. Includes an introduction to statistical methods. (F, Sp)   |
| LING    | 3960   | Honors Reading                       | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program and will cover materials not usually presented in regular coursework. (F, Sp)   |
| LING    | 3970   | Honors Seminar                       | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| LING    | 3980   | Honors Research                      | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work on a special project in his/her field. (F, Sp)  |
| LING    | 3990   | Independent Study                    | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| LING    | 3999   | Upper Division Transfer Credit       | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| LING    | 4023   | Second Language Acquisition Theory   | (Slashlisted with 5023) Prerequisite: 2303 or four semesters foreign language. Multidisciplinary approach to second language acquisition. Treats child language, interlanguage, universal grammar, input, interaction, output, non-language influences and formal instruction. No student may earn credit for both 4023 and 5023. (F)   |
| LING    | 4053   | Morphology                           | (Slashlisted with 5053; Crosslisted with ANTH 4053) Prerequisite: 3053 and 3353. Introduces and develops theories and concepts of morphology including word formation, derivation, inflection, non-concatenative morphs, covert categories, prosodic phenomena, morphosyntactic categories and clitics. Data from non-Western languages will be prominent. No student may earn credit for both 4053 and 5053. (Irreg.)  |
| LING    | 4173   | Typology                             | Prerequisite: LING 3053 and LING 3353. An introduction to the major results of morphosyntactic typology. Focuses on morphological typology (case marking/agreement) and on syntactic typology (the relation between case marking and grammatical relations, word order, and of three major constructions: passives, causatives, and relative clauses). (F, Sp)  |
| LING    | 4313   | Techniques of Historical Linguistics | Prerequisite: 3053 or Anthropology 3053, or permission. Brief survey of the development of historical linguistics, the comparative method, internal reconstruction, types of linguistic change, relationships between linguistic and cultural change, new developments in the field of historical linguistics. No student may earn credit for both 4313 and 5313. (Irreg.)  |

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| Subject | Number | Title                                | Course Description  |
|---------|--------|--------------------------------------|---|
| LING    | 4330   | Topics in Linguistics                | (Slashlisted with 5330) 1 to 4 hours. Prerequisite: nine hours of linguistics. May be repeated with change of content; maximum credit nine hours. Topic areas will vary across theoretical and applied areas of linguistics. Some topics that are appropriate include socio-linguistics, psycho-linguistics, language acquisition, advanced syntax, advanced phonology, field phonetics, pragmatics, and comparative readings of twentieth-century theorists. No student may earn credit for both 4330 and 5330 on the same topic. (Irreg.) |
| LING    | 4363   | Linguistic Field Methods             | (Slashlisted with 5363, Crosslisted with ANTH 4363) Prerequisite: 2303, 3053, and 3353. An introduction to all phases of linguistic field techniques, including training in the selection of informants, the use of recording devices, and most important, the actual collection and analysis of linguistic materials. Students may not earn credit for both 4363 and 5363. (Irreg.)  |
| LING    | 4960   | Directed Readings                    | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| LING    | 4970   | Special Topics/Seminar               | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| LING    | 4983   | Senior Essay                         | Prerequisite: LING 3053 and 3353 and senior standing. Development of a research paper which relates the linguistics major coursework to general knowledge. (F, Sp) [V]  |
| LING    | 4990   | Independent Study                    | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or research and field projects. (F, Sp)   |
| LING    | 5023   | Second Language Acquisition Theory   | (Slashlisted with 4023) Prerequisite: 2303 or four semesters foreign language. Multidisciplinary approach to second language acquisition. Treats child language, interlanguage, universal grammar, input, interaction, output, non-language influences and formal instruction. No student may earn credit for both 4023 and 5023. (F)   |
| LING    | 5053   | Morphology                           | (Slashlisted with 4053; Crosslisted with ANTH 5053) Prerequisite: graduate standing. Introduces and develops theories and concepts of morphology including word formation, derivation, inflection, non-concatenative morphs, covert categories, prosodic phenomena, morphosyntactic categories and clitics. Data from non-Western languages will be prominent. No student may earn credit for both 4053 and 5053. (Irreg.)  |
| LING    | 5313   | Techniques of Historical Linguistics | Prerequisite: 3053 or Anthropology 3053 or permission. Brief survey of the development of historical linguistics, the comparative method, internal reconstruction, types of linguistic change, relationships between linguistic and cultural change, new developments in the field of historical linguistics. No student may earn credit for both 4313 and 5313. (Irreg.)   |
| LING    | 5330   | Topics in Linguistics                | (Slashlisted with 4330) 1 to 4 hours. Prerequisite: graduate standing. May be repeated with change of content; maximum credit twelve hours. Topic areas will vary across theoretical and applied areas of linguistics. Some topics that are appropriate include socio-linguistics, psycho-linguistics, language acquisition, advanced syntax, advanced phonology, field phonetics, pragmatics, and comparative readings of twentieth-century theorists. No student may earn credit for both 4330 and 5330 on the same topic. (Irreg.)       |
| LING    | 5363   | Linguistic Field Methods             | (Slashlisted with 4363) Prerequisite: graduate standing or permission of instructor. An introduction to all phases of linguistic field techniques, including training in the selection of informants, the use of recording devices, and most important, the actual collection and analysis of linguistic materials. No student may earn credit for both 4363 and 5363. (Irreg.)   |
| LING    | 5960   | Directed Readings                    | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |



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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| LING    | 5970   | Special Topics/Seminar                  | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| LING    | 5980   | Research for Master's Thesis            | Variable enrollment, two to nine hours; maximum credit applicable toward degree, nine hours. (F, Sp, Su)  |
| LING    | 5990   | Independent Study                       | 1 to 3 hours. Prerequisite: graduate standing, permission of instructor. May be repeated; maximum credit twelve hours. Independent reading on one or more topics under the general direction of a faculty member. (F, Sp)   |
| LING    | 5999   | Graduate Level Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| LING    | 6590   | Field Work in American Indian Languages | (Crosslisted with ANTH 6590) 3 to 6 hours. Prerequisite: graduate standing and permission of instructor. Advanced field experience in the recording and analysis of Native American languages, including a discussion of problems in selecting and effectively utilizing informants. (Sp)   |
| LING    | 6960   | Directed Readings                       | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| LING    | 6970   | Special Topics/Seminar                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| LING    | 6990   | Independent Study                       | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| LIS     | 1013   | Acquiring Knowledge in the Digital Age  | The general process of defining information needs in selecting appropriate information sources. Intended to make students more knowledgeable consumers of information. Exercises in the use of information resources stressing the full range of sources and services available in libraries and information centers. (F, Sp) [I-O]   |
| LIS     | 1999   | Lower Division Transfer Credit          | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| LIS     | 2003   | Introduction to Information Studies     | Explores the definition, impact, and history of information and information transmission. Introduces technology used to create, read, store, retrieve and transmit information. Analyzes societal institutions, techniques, and processes for the creation, distribution and management of information. Assesses the role of the information professions and information systems in culture and society. (F, Sp) [III-SS]   |
| LIS     | 3440   | Mentored Research Experience            | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| LIS     | 3960   | Honors Reading                          | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major or program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| LIS     | 3970   | Honors Seminar                          | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |

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| Subject | Number | Title                                    | Course Description   |
|---------|--------|--|--|
| LIS     | 3980   | Honors Research                          | 1 to 3 hours. Prerequisite: admission to the Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field of study. (F, Sp, Su)  |
| LIS     | 3990   | Independent Study                        | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| LIS     | 3999   | Upper Division Transfer Credit           | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| LIS     | 4063   | Information and Communication Technology | (Slashlisted with 5063) Prerequisite: junior standing. Introduction to the theory and applications of information and communication technologies including hardware, software, systems, systems analysis and the nature and functionality of networks; social, technical and organizational influences on the use and users of information technology. No student may earn credit for both 4063 and 5063. (F, Sp)  |
| LIS     | 4143   | Government Information                   | (Slashlisted with LIS 5143) Prerequisite: junior standing. Introduces students to current policy, technology, and social factors that drive government resource and information production, distribution, and access. Topics include transformation of government information; information discovery skill sets, models, and techniques; evaluation of information use and value; and government information issues (e.g. access, authentication, privatization, preservation). No student may earn credit for both 4143 and 5143. (F)   |
| LIS     | 4213   | Social Informatics                       | (Slashlisted with 5213) Prerequisite: LIS 2003. Social Informatics analyzes interactions among people and information/ communication technologies (ICTs). Issues covered include basic concepts of social systems, ICTs, and their interactions; uses of mobile information technology devices; online interaction and virtual community; information technology and work; and laws and policies related to information technologies. No student may earn credit for both 4213 and 5213. (Sp)  |
| LIS     | 4223   | Information Technology Management        | (Slashlisted with 5223) Prerequisite: LIS 4063 or permission of instructor. Fundamentals of planning, designing, and managing information technology solutions; market and trend analysis; planning and assessment techniques and tolls; human factors in technology management. No student may earn credit for both 4223 and 5223. (Sp, Su)   |
| LIS     | 4303   | Children's Literature                    | Prerequisite: junior standing. Survey, evaluation and selection of materials for children; interests and needs of various age groups; methods of stimulating reading and listening. Reading of books for children is emphasized. (Correspondence)  |
| LIS     | 4453   | Digital Collections                      | (Slashlisted with 5453) Prerequisite: junior standing. Introduction to the creation and development of digital collections and to the technical requirements for storage and dissemination of digital materials. Topics will include creation, development, organization, maintenance, and use of digital collections. Students will explore a variety of techniques and technologies for digitizing materials; evaluate the strengths and limitations of current efforts in creating, collecting and organizing digital materials; and explore the different opportunities and challenges of digital libraries, repositories, and archives. No student may earn credit for both 4453 and 5453. (Sp) |
| LIS     | 4523   | Online Information Retrieval             | (Slashlisted with 5523) Prerequisite: junior standing. Structure, content, and application of online databases for education, research, business, and public use. Principles and techniques for the evaluation of online databases and services. Document representation, information need specification and query formulation for online information retrieval. No student may earn credit for both 4523 and 5523. (F)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| LIS     | 4553   | Competitive Intelligence                                    | (Slashlisted with LIS 5553) Prerequisite: permission of instructor. An introduction to competitive intelligence in various contexts, appropriate for non-profit and for-profit environments. Topics will include developing and implementing the competitive intelligence process, accessing and validating sources, information gathering, auditing, and decision making with special emphasis on strategies, systems, and ethics in competitive intelligence. No student may earn credit for both 4553 and 5553. (Irreg.) |
| LIS     | 4613   | Dynamic Web Development                                     | (Slashlisted with 5613) Prerequisite: junior or senior standing and LIS 4063. The interactive web design server interaction with special emphasis on database connectivity and application development on the internet. No student may earn credit for both 4613 and 5613.(F)   |
| LIS     | 4623   | Introduction to Data Mining for Information Professionals   | (Slashlisted with 5623) Prerequisite: junior or senior standing. Data mining (DM) is the ability to discover useful patterns and relationships in large sets of data. DM is an induction-based set of computer-based methodologies to extract previously unknown patterns in data and can provide a way to both understand and predict behavior. No student may earn credit for both 4623 and 5623.(F)  |
| LIS     | 4633   | Design and Implementation of Web-based Information Services | (Slashlisted with 5633) Prerequisite: junior standing. Design fundamentals for web-based information services; information services; implementation of storage, access, and distribution systems; knowledge representation methods; metadata and information structures; connectivity infrastructure; characteristics and behavior of networked audiences; systems use and usability. No student may earn credit for both 4633 and 5633. (F)  |
| LIS     | 4663   | Information Studies Capstone                                | Prerequisite: 2003, 3003, 4003, 4103, and senior standing. Capstone course for the Bachelor of Arts in Information Studies; design and development of an operational prototype information system in a selected organizational setting. Introduces project management terms, techniques, and effect on the success of information technology projects. (F, Sp, Su) [V]  |
| LIS     | 4673   | Introduction to Information Visualization                   | (Slashlisted with 5673) Prerequisite: junior or senior standing. Information visualization is becoming key to LIS, due to the growing need for visual literacy and to the growing demand for data resources in almost all disciplines. Covers basics of developing and evaluating information visualizations and the importance of data accuracy. No student may earn credit for both 4673 and 5673. (F)  |
| LIS     | 4683   | Database Design for Information Organizations               | (Slashlisted with 5683) Prerequisite: junior standing. Introduction to the theory and application of database design including information storage and retrieval, data modeling, record structure, data normalization, data security, relational database models, query language, client-server systems, data warehousing and data mining. The social, technological and organizational needs in database design will be examined. No student may earn credit for both 4683 and 5683. (Sp)                                  |
| LIS     | 4823   | Internship in Information Studies                           | Prerequisite: LIS 4063 and LIS 4633, or permission of instructor and adviser. Provides an opportunity for student synthesis of principles and theories acquired in coursework and application of these principles and theories in a working environment. Under professional supervision, the student will complete 135 hours emphasizing general understanding of the specific assignment and completion of a focused project. (F, Sp)  |
| LIS     | 4920   | Directed Research   | 1 to 3 hours. Prerequisite: LIS 4063 and LIS 4633, or permission of instructor and adviser. May be repeated; maximum credit three hours. Faculty supervised research; requires written report. (Irreg.)   |
| LIS     | 4940   | Directed Project  | 1 to 3 hours. Prerequisite: LIS 4063 and LIS 4633 and senior standing, or permission of instructor and adviser. May be repeated; maximum credit three hours. Faculty supervised design and implementation of an information project that applies principles and theories acquired in coursework to solution of information problems in practical settings. Requires a project prospectus and written report. (Irreg.)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| LIS     | 4960   | Directed Readings                                     | 1 to 3 hours. Prerequisite: Junior standing and permission of instructor. May be repeated; maximum credit three hours. Faculty supervised exploration of an area of information studies not covered in regularly offered courses. (Irreg.)  |
| LIS     | 4970   | Special Topics/Seminar                                | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| LIS     | 4990   | Independent Study                                     | 1 to 3 hours. Prerequisite: junior standing and permission of instructor. May be repeated; maximum credit nine hours. Examination and discussion of current problems in information studies. (F, Sp, Su)  |
| LIS     | 5023   | Management of Information and Knowledge Organizations | Prerequisite: graduate standing and LIS 5033, or concurrent enrollment. Theories, processes, behaviors, and issues that allow knowledge-based institutions to transform themselves into ones that organize and share knowledge in an effective, efficient manner; leadership, motivation and organizational communication; management of knowledge workers; and ethical and legal aspects of managing information and knowledge organizations. (F, Sp)  |
| LIS     | 5033   | Information and Knowledge Society                     | Prerequisite: graduate standing or permission of instructor. The nature of knowledge and information; national and global organizational information infrastructure; the role of information and knowledge professionals in the knowledge society; information policy; economics of information; information industries; legal and ethical considerations in information and knowledge systems. (F, Sp)   |
| LIS     | 5043   | Organization of Information and Knowledge Resources   | Prerequisite: graduate standing and LIS 5033 or concurrent enrollment. Organization of internal and external sources of information; information services and tools; basic concepts of information storage and retrieval systems; design and structure of information systems; identification and organization of knowledge resources such as expertise, skills and competencies; knowledge organization methods such as classification, cataloguing, taxonomies and metadata; search strategies and information retrieval. (F, Sp)   |
| LIS     | 5053   | Information Users in the Knowledge Society            | Prerequisite: graduate standing and LIS 5033 or concurrent enrollment. Information use by people in various roles, situations, and contexts, individually and in groups. Information behavior and the influence of learning and cognitive processes; value systems; and situational, psychological, sociological, and political perspectives. Application of study of user information behavior to textual, graphical, and visual representation of knowledge. Includes both theoretical models and practical methodologies for study of uses and for user-centered design of information and knowledge systems and services. (F, Sp) |
| LIS     | 5063   | Information and Communication Technology              | (Slashlisted with 4063) Prerequisite: LIS 5033 or concurrent enrollment. Introduction to the theory and applications of information and communication technologies including hardware, software, systems, systems analysis and the nature and functionality of networks; social, technical and organizational influences on the use and users of information technology. No student may earn credit for both 4063 and 5063. (F, Sp)   |
| LIS     | 5123   | Literature and Methods For Readers' Advisory Services | Prerequisites: 5033 and 5053. Examination of value and role of leisure reading in U.S. public libraries; interview techniques, support processes, and bibliographic resources for providing services to adults and older adolescent readers. (Irreg.)   |
| LIS     | 5133   | Biomedical Bibliography and Reference Materials       | Prerequisite: LIS 5033 or permission of instructor. Provides an in-depth study of the organization of medical reference departments; reference sources in the health sciences; and the major textbooks in the basic sciences, clinical sciences, and related specialties. Medical audiovisuals, periodicals, indexes and abstracts are included as is automated searching of medical literature. Basic medical terminology is an integral part of the course and given special consideration. (F)   |

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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| LIS     | 5143   | Government Information                  | (Slashlisted with 4143) Prerequisite: LIS 5033 or permission of instructor. Introduces students to current policy, technology, and social factors that drive government resource and information production, distribution, and access. Topics include transformation of government information; information discovery skill sets, models, and techniques; evaluation of information use and value; and government information issues (e.g. access, authentication, privatization, preservation). No student may earn credit for both 4143 and 5143. (F) |
| LIS     | 5163   | Biomedical Databases                    | Prerequisite: LIS 5133 or permission of instructor. An in-depth approach to the on-line databases supplied by the National Library of Medicine and to the biomedical databases supplied by commercial companies. Deals with all aspects of searching, including the development of effective policies and procedures. Differences and similarities among the databases are emphasized. (F)  |
| LIS     | 5173   | Multicultural Librarianship             | Prerequisite: LIS 5033. Awareness of and sensitivity to multicultural heritages; diverse information needs of multiethnic populations; information needs assessment and analysis; program and service planning. (Sp, even-numbered years)   |
| LIS     | 5183   | Books and Materials for Children        | Prerequisite: LIS 5033. Seminar involving in-depth criticism of children's materials; thematic/issues approach to reading guidance; contemporary trends; recent literature; children's information literacy and critical thinking skills; and selection/evaluation. (F)   |
| LIS     | 5193   | Books and Materials for Young Adults    | Prerequisite: LIS 5033. In-depth criticism of young adult material; seminar involving thematic/issue approach to reading guidance; contemporary trends; recent literature; young adult's information literacy and critical thinking skills; and selection/evaluation. (Sp)  |
| LIS     | 5203   | Leadership in Information Organizations | Prerequisite: LIS 5023 or concurrent enrollment and LIS 5033. Sociopolitical, technological, fiscal and organizational factors affecting the delivery of information products and services. Emphasis will be on the analysis, planning, and evaluation in academic and special libraries. (F, Sp)   |
| LIS     | 5213   | Social Informatics                      | (Slashlisted with 4213) Prerequisite: graduate standing. Social Informatics analyzes interactions among people and information/ communication technologies (ICTs). Issues covered include basic concepts of social systems, ICTs, and their interactions; uses of mobile information technology devices; online interaction and virtual community; information technology and work; and laws and policies related to information technologies. No student may earn credit for both 4213 and 5213. (Sp)  |
| LIS     | 5223   | Information Technology Management       | (Slashlisted with 4223) Prerequisite: graduate standing and LIS 5033 and LIS 5063 or permission of instructor. Fundamentals of planning, designing, implementing, and managing information technology solutions; market and trend analysis; planning and assessment techniques and tools; human factors in technology management. No student may earn credit for both 4223 and 5223. (Sp, Su)   |
| LIS     | 5233   | Oklahoma Information Environment        | Prerequisite: LIS 5033 or permission of school. Interaction between information and culture in the state of Oklahoma with emphasis on information needs, resources, and challenges; research collections; public libraries; tribal libraries and tribal colleges; digital technologies; in-depth exploration of library, museum, archival, and other information services and resources for Oklahomans. (Su)  |
| LIS     | 5253   | Community Relations and Advocacy        | Prerequisite: LIS 5023, LIS 5033. Examination of the communication process by which the library/information center personnel satisfy user needs and provide/transmit information about the program objectives and functions to develop public awareness and support. Involves as audiences: the users, the library/information center staff, general public, governance entities, political representatives, educational and service agencies, and professional organizations. (F)  |
| LIS     | 5283   | School Library Administration           | Prerequisite: LIS 5023 and LIS 5033. History and role of school libraries in the educational program; planning, organizing and administering library programs in the elementary and secondary schools. (Sp)   |

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| Subject | Number | Title                                    | Course Description  |
|---------|--------|--|---|
| LIS     | 5343   | Archival Concepts and Traditions         | Prerequisite: LIS 5033. Introduction to the principles and practice of collecting, servicing, and arranging archival holdings. Includes appraisal, acquisition, arrangement and description, preservation, and administration of institutional archives. Attention to issues of preservation, intellectual property, and service in both physical and digital environments. (Sp alternating semesters)  |
| LIS     | 5403   | Cataloging and Classification            | Prerequisite: 5033, 5043. Detailed study of principles and practices of cataloging and classification according to current standards. Instruction covers original descriptive cataloging, subject analysis and classification. (alt. F, irreg. Su)  |
| LIS     | 5413   | Indexing and Abstracting                 | Prerequisite: graduate standing, LIS 5033 and LIS 5043. History, principles, techniques and applications of indexing, abstracting, and vocabulary control. Includes file organization and maintenance, information representation and coding, natural language processing, and thesaurus construction. (Irreg.)   |
| LIS     | 5443   | Collection Development and Management    | Prerequisite: LIS 5033 and LIS 5043. Examination of the acquisition and evaluation processes used for building and maintaining collections in all formats. Formulation and implementation of collection development policies, identification of user needs, selection methods and tools, storage alternatives, publishing and intellectual freedom, administrative and legal issues including licensing and contract negotiation. (F)   |
| LIS     | 5453   | Digital Collections                      | (Slashlisted with LIS 4453) Prerequisite: LIS 5033, LIS 5043, LIS 5063. Introduction to the creation and development of digital collections and to the technical requirements for storage and dissemination of digital materials. Topics will include creation, development, organization, maintenance, and use of digital collections. Students will explore a variety of techniques and technologies for digitizing materials; evaluate the strengths and limitations of current efforts in creating, collecting and organizing digital materials; and explore the different opportunities and challenges of digital libraries, repositories, and archives. No student may earn credit for both 4453 and 5453. (Sp) |
| LIS     | 5463   | Archival Representation and Use          | Prerequisite: LIS 5033 or permission of instructor. Introduction to the principles and practices of collecting, servicing, and arranging archival holdings. Includes elements of appraisal, acquisition, and preservation with significant focus on archival arrangement, description, and administration of institutional archives. (Sp)   |
| LIS     | 5473   | Document and Records Management          | Prerequisite: graduate standing, LIS 5033 and LIS 5043. The systematic capture, acquisition, and processing, storage, and control of documents in all formats, including their management as records throughout the life cycle from creation to final disposition. Introduction to principles, methodologies, administration, tools, and techniques in various settings. (Irreg.)   |
| LIS     | 5503   | Information Literacy and Instruction     | Prerequisites: 5033 and 5053. Instructional methods and materials for the acquisition and development of information literacy skills; theories of instruction and current trends in information literacy instruction. (Irreg.)  |
| LIS     | 5513   | Information Sources and Services         | Prerequisite: 5033, 5053. Characteristics and use of information sources and systems; policies and procedures for the provision of user-centered service in libraries and other information agencies. Introduction to basic reference tools in both print and electronic formats. (F, Sp, irreg. Su)  |
| LIS     | 5523   | Online Information Retrieval             | (Slashlisted with 4523) Prerequisite: LIS 5033 and LIS 5053. Structure, content, and application of online databases for education, research, business, and public use. Principles and techniques for the evaluation of online databases and services. Document representation, information need specification and query formulation for online information retrieval. No student may earn credit for both 4523 and 5523. (F)   |
| LIS     | 5533   | Introduction to Instructional Technology | (Crosslisted with EIPT 5533) Prerequisite: graduate standing or permission of instructor. Examination of theoretical and critical issues regarding educational technologies. Practical application and development of skills utilizing technology tools. (F)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| LIS     | 5553   | Competitive Intelligence                                    | (Slashlisted with 4553) Prerequisite: graduate standing, LIS 5033, LIS 5053. An introduction to competitive intelligence in various contexts, appropriate for non-profit and for-profit environments. Topics will include developing and implementing the competitive intelligence process, accessing and validating sources, information gathering, auditing, and decision making with special emphasis on strategies, systems, and ethics in competitive intelligence. No student may earn credit for both 4553 and 5553. (Irreg.) |
| LIS     | 5563   | Archival Appraisal  | Prerequisite: LIS 5033. Evaluation and examination of contributions of key figures in development of archival appraisal theory; identification and evaluation of distinct movements in archival appraisal; identification of cultural, political, sociological, and technological movements that can have impact on appraisal methodologies; and development of effective appraisal strategies for a variety of communities. (F even-numbered years)   |
| LIS     | 5613   | Dynamic Web Development                                     | (Slashlisted with 4613) Prerequisite: graduate standing and LIS 4603 or LIS 5603. The interactive web design server interaction with special emphasis on database connectivity and application development on the internet. No student may earn credit for both 4613 and 5613. (F)   |
| LIS     | 5623   | Introduction to Data Mining for Information Professionals   | (Slashlisted with 4623) Prerequisite: graduate standing. Data mining (DM) is the ability to discover useful patterns and relationships in large sets of data. DM is an induction-based set of computer-based methodologies to extract previously unknown patterns in data and can provide a way to both understand and predict behavior. No student may earn credit for both 4623 and 5623.(F)   |
| LIS     | 5633   | Design and Implementation of Web-based Information Services | (Slashlisted with 4633) Prerequisite: LIS 5033. Design fundamentals for web-based information services; information services; implementation of storage, access, and distribution systems; knowledge representation methods; metadata and information structures; connectivity infrastructure; characteristics and behavior of networked audiences; systems use and usability. No student may earn credit for both LIS 4633 and LIS 5633. (F)  |
| LIS     | 5653   | Preservation of Information Materials                       | Prerequisite: graduate standing and LIS 5033. Theory and practice of the preservation and conservation of intellectual content and physical artifacts, including paper, microform, and digital records. Emphasis on planning and administering disaster prevention and recovery, preservation, and digitization programs. (Alt. Sp, Irreg. Su)   |
| LIS     | 5673   | Introduction to Information Visualization                   | (Slashlisted with 4673) Prerequisite: graduate standing and LIS 5033. Information visualization is becoming key to LIS, due to the growing need for visual literacy and to the growing demand for data resources in almost all disciplines. Covers the basics of developing and evaluating information visualizations and the importance of data accuracy. (F)   |
| LIS     | 5683   | Database Design for Information Organizations               | (Slashlisted with 4683) Prerequisite: graduate standing and LIS 5033. Introduction to the theory and application of database design including information storage and retrieval, data modeling, record structure, data normalization, data security, relational database models, query language, client-server systems, data warehousing and data mining. The social, technological and organizational needs in database design will be examined. No student may earn credit for both 4683 and 5683. (Sp)                            |
| LIS     | 5713   | Research and Evaluation Methods                             | Prerequisites: LIS 5033. Methods of investigating library and information (LIS) problems; use of evaluation in planning for continuous quality assessment and improvement of LIS policies, processes, and procedures; development of original research designs; evaluation of research studies in LIS. (F, Sp)   |
| LIS     | 5823   | Internship in Library/Information Centers                   | Prerequisite: 18 hours of LIS coursework, including one-half of the required courses, permission of the supervising instructor. Provides an opportunity for student synthesis of principles and theories acquired in coursework and application of these principles and theories in an outstanding library/information center. Under professional supervision, the student will complete 135 hours. (F, Sp, Su)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| LIS     | 5920   | Directed Research                                  | 1 to 3 hours. Prerequisite: graduate standing and LIS 5713, permission of instructor and adviser. May be repeated; maximum credit six hours. Research under faculty supervision; requires a written report. (F, Sp, Su)   |
| LIS     | 5940   | Directed Project                                   | 1 to 3 hours. Prerequisite: graduate standing and 24 hours of LIS coursework and permission of instructor and adviser. May be repeated; maximum credit three hours. Design and implementation of a professional project that applies principles and theories acquired in coursework to the solution of professional problems in practical settings. Requires a project prospectus and a written report at conclusion of the project. Conducted under faculty supervision. May not be taken for credit toward the MLIS degree by students electing thesis option. (Irreg.) |
| LIS     | 5960   | Directed Readings                                  | 1 to 3 hours. Prerequisite: graduate standing and 15 hours of LIS coursework and permission of instructor and adviser. May be repeated; maximum credit six hours. Exploration of an area of library and information studies not covered in regularly offered course. (F, Sp, Su)  |
| LIS     | 5970   | Special Topics/Seminar                             | Prerequisite: 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| LIS     | 5980   | Research for Master's Thesis                       | Prerequisite: graduate standing and permission of instructor. Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. (F, Sp, Su)   |
| LIS     | 5990   | Special Problems                                   | 1 to 3 hours. Prerequisite: graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Examination and discussion of current problems in librarianship. (Irreg.)   |
| LIS     | 5999   | Graduate Level Transfer Credit                     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| LIS     | 6033   | Intellectual Traditions in Information Studies     | Prerequisite: graduate standing and permission of school. Introduces students to the main philosophical traditions of research and scholarship that currently inform inquiry in Information Studies. (F)  |
| LIS     | 6503   | Information Behavior                               | Prerequisite: graduate standing and permission of school. Information use by individuals and groups in various roles, situations, and contexts. Influences of learning and cognitive processes; value systems; and situational, psychological, sociological, and political perspectives on information behavior. Application of user studies to textual, graphical, and visual representation of information. Study of theoretical models and practical methodologies in information systems. (Sp)  |
| LIS     | 6543   | Social and Community Informatics                   | Prerequisite: graduate standing and permission of school. Analysis of interactions among people, information/communication technologies (ICTs), and local social settings. Effects of social and technical contexts on the design, implementation, and evaluation of ICTs. Social systems and community contexts, ICTs, and their interactions; uses of mobile information technologies; online interaction and virtual community; information technology and work; and, organizational/institutional information technologies laws and policies. (F)                     |
| LIS     | 6553   | Critical Information Studies                       | Prerequisite: graduate standing and permission of school. Introduces students to Critical Theory. It examines the idea of immanent critique developed within the Frankfurt School and how critical theory informs inquiry in Information Studies. (Sp)  |
| LIS     | 6713   | Research Methods and Design in Information Studies | Prerequisite: graduate standing and permission of school. A survey of quantitative, qualitative, and historical research designs. Topics covered include ethical issues; conceptualization and measurement; sampling; surveys; and data analysis. (Sp)  |
| LIS     | 6920   | Directed Research                                  | 1 to 3 hours. Prerequisite: graduate standing and permission of school. May be repeated; maximum credit 12 hours. Students will prepare a proposal and have it approved by the SLIS faculty member who will direct the study and their SLIS faculty adviser prior to registration. (F, Sp)  |



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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| LIS     | 6962   | Doctoral Research Colloquium                        | Prerequisite: graduate standing and permission of school. May be repeated; maximum credit four hours. Serves as a venue for the development of a variety of skills and capacities to succeed as a scholar. Offers a mix of sessions on progression through the Ph.D. degree program, the research process, guidance on the academic profession, and written and oral presentation of scholarly research. (F, Sp)  |
| LIS     | 6970   | Special Topics in the Theory of Information Studies | 1 to 3 hours. Prerequisite: graduate standing and permission of school. May be repeated with change of subject matter; maximum credit six hours. Topics in information studies for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (F)  |
| LIS     | 6980   | Research for Doctoral Dissertation                  | 2 to 16 hours. (F, Sp, Su)  |
| LSAL    | 1803   | Introduction to the American Collegiate Experience  | Prerequisite: enrollment in an ESL program and permission from CLS adviser. Prepares ESL students academically, socially, and personally for university life in the United States. Course modules are based on common academic subjects, such as psychology, business, science, and art. Topics will include instruction and practice with appropriate discussion techniques, lecture preparation and reading strategies, study skills and task management. (F, Sp, Su) |
| LSAL    | 1823   | Introduction to Business Communication              | Prerequisite: enrollment in an ESL program and permission of CLS adviser. Introduction to appropriate business communication and typical business practices in the U.S., with emphasis on cross-cultural awareness, business writing style and research, ethics and values in communication, and collaboration in the workplace. (F, Sp, Su)  |
| LSAL    | 2283   | Understanding Management                            | Examines organizational planning, the process of organizational decision making, the early research on leadership that focuses on personal traits, motivation in organizations, communicating in organizations, teamwork in organizations, the principles of organization and organizational control. (F, Sp, Su)   |
| LSAL    | 2700   | Topics in Administrative Leadership                 | May be repeated with change of content; maximum credit nine credit hours. Specific course content will be defined each time the course is offered. A problem-oriented approach to Administrative Leadership. Reading and research, arranged and directed in consultation with the instructor, in specified areas of Administrative Leadership. (F, Sp, Su)  |
| LSAL    | 3113   | Leadership in Organizations                         | Prerequisite: junior standing or permission from CLS adviser. The general purpose of this course is to learn about contemporary thinking regarding leadership in organizations and the applications of these insights for growth as a leader. (F, Sp, Su)   |
| LSAL    | 3133   | Conflict Resolution                                 | Prerequisite: junior standing or permission from CLS adviser. A review of several contemporary theories of the nature of conflict and how best to manage it. Students examine the communication process and practice effective communication skills through exercise. (F, Sp, Su)   |
| LSAL    | 3153   | Ethics in Leadership                                | Prerequisite: junior standing or permission from CLS adviser. Explores various concepts, principles and case studies involved in ethics in the social science, with particular emphasis on business ethics. Students examine core values in light of social conditioning, short-term profiteering, and the need for affiliation. (F, Sp, Su)  |
| LSAL    | 3173   | Goal Setting and Attainment                         | Prerequisite: junior standing or permission from CLS adviser. Introduces students to the importance of establishing goals and the goal attainment process in business and other settings. These include perspectives of goal attainment in industry as they apply to production and to overcoming challenges. (F, Sp, Su)   |
| LSAL    | 3333   | Motivation in Learning and Leadership               | Prerequisite: junior standing or permission from CLS adviser. Introduces learners to several theories on human motivation which can be applied across several contexts, including both learning and leadership. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| LSAL    | 3440   | Mentored Research Experience                             | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| LSAL    | 3513   | Integrated Marketing Strategies                          | Prerequisite: junior standing or permission from CLS adviser. Focuses on marketing communications by examining many types of retailers, the basic concepts that apply to all areas of promotion, basic selling techniques, and advertising and sales promotion as important parts of a promotion blend. (F, Sp, Su)  |
| LSAL    | 3533   | Adapting To Changing Marketing Environments              | Prerequisite: junior standing or permission from CLS adviser. Focuses on innovative strategy planning that helps businesses survive in increasingly competitive markets. An analysis of the individual consumer as a problem solver who is influenced by psychological variables, social influences, and the purchase situation. Also studies the number, size, location, and buying behavior of various types of organizational customers, and logistics activities and how they provide time and place utility to improve value to the customer. (F, Sp, Su) |
| LSAL    | 4123   | Quality Initiatives in Organizations                     | Prerequisite: junior standing or permission from CLS adviser. Understanding quality initiatives is the focus of this course. Students will discuss tools that can be used in order to build teams and a good environment in the workplace. (F, Sp, Su)   |
| LSAL    | 4143   | Cultural Diversity in the World                          | Prerequisite: junior standing or permission from CLS adviser. At the end of this course, the learner will be able to apply an in-depth understanding of cultural diversity to issues in human relations and in achieving true diversity in organizations. Provides learners with a conceptual framework from which to analyze historical and current legal approaches to cultural diversity, with an emphasis on gaining an understanding of how and why affirmative action programs are implemented. (F, Sp, Su)  |
| LSAL    | 4163   | Non-Profit Management                                    | Prerequisite: junior standing or permission from CLS adviser. Provides an overview of nonprofit management, operations, and leadership as well as the problems and environment unique to the various nonprofit entities functioning in society. (F, Sp, Su)  |
| LSAL    | 4203   | Decision-Making, Problem Solving, and Strategic Thinking | Prerequisite: junior standing or permission from CLS adviser. Exploration of decision-making, problem solving and strategic thinking in a variety of organizational settings. Discussion of applied intelligence and the methods/tools utilized to make effective decisions.(F, Sp, Su)  |
| LSAL    | 4263   | Corporate Environmental Strategy                         | Prerequisite: junior standing or permission from CLS adviser. Examines the growing importance of environmental science and technology for business and industry. Students will gain an appreciation of the dimensions of the natural environment in today's business climate with the goal of determining what issues are of central policy importance as well as career opportunities for those who wish to participate in the development of a sustainable society. (F, Sp, Su)  |
| LSAL    | 4353   | Mediation: History, Theory, and Practice                 | Prerequisite: junior standing or permission from CLS adviser. The course provides an overview of the history of mediation as well as an introduction to substantive mediation theories and models. The practice of mediation will be introduced by examining its origins in both the court and community-focused movements. Contemporary applications and trends in mediation also will be examined. (F, Sp, Su)   |
| LSAL    | 4603   | Leadership and Governance for Social Entrepreneurs       | Prerequisites: Sophomore standing and LSAL 4163, or permission from CLS adviser. Explores leadership and governance through the perspective of organizational directors and corporate officers. Examines the processes of vision and mission casting, the setting of organizational direction, strategic planning through executive leadership, and the creation of founding documents and policies, all with the "design culture" in mind. (F, Sp, Su)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| LSAL    | 4623   | Budgeting for Social Entrepreneurs               | Prerequisites: Sophomore standing and LSAL 4163, or permission from CLS adviser. An exploration of economics, finance, and accounting from the perspective of commercial, nonprofit, community service and government service entities. Topics include basic accounting principles and the organization of financial statements, the fundamentals of financial investing, and the impact of interest on an organization's planning. (F, Sp, Su)  |
| LSAL    | 4643   | Case Studies in Social Entrepreneurship          | Prerequisites: Sophomore standing and LSAL 4163, or permission from CLS adviser. An exploration of social innovation and entrepreneurship presented through the historical examination of organizations that have utilized innovative methods and strategies to address social issues. (F, Sp, Su)   |
| LSAL    | 4683   | Development in Grant Writing                     | Prerequisites: Junior standing or permission from CLS academic adviser. Presents a contemporary overview of the grant writing process. Topics explored include: the search and select process, budget creation, proposal submission, and award management. (F, Sp, Su)   |
| LSAL    | 4700   | Advanced Topics in Administrative Leadership     | Prerequisite: junior standing or permission from CLS adviser. May be repeated with change of content; maximum credit nine hours. Investigation into problems of leadership not covered in existing courses, and utilizing an interdisciplinary approach. Will culminate in a written report of investigation. Specific course content will be defined each time the course is offered. Reading and research, arranged and directed in consultation with the instructor, in specified areas of liberal studies. (F, Sp, Su) |
| LSAL    | 4713   | Understanding Race in American Society           | Prerequisites: Sophomore standing or permission from CLS academic adviser. An exploration of the major theoretical perspectives used to explain racial issues in the United States. Identifies common racial/ethnic assumptions through an examination of how race or ethnicity is portrayed in the media with a comparison of current research findings relating to inequality. (F, Sp, Su)   |
| LSAL    | 4733   | Understanding Educational Inequality in the U.S. | Prerequisites: Sophomore standing or permission from CLS adviser. An examination of inequality within the American educational system from K-12 to higher education utilizing demographic data and analyzing current research on inequality based upon race, class, and gender. (F, Sp, Su)  |
| LSAL    | 4753   | Class and Economic Inequality in America         | Prerequisites: Sophomore standing or permission from CLS adviser. An examination of how social class and socio-economic status (SES) operate in American society, including how media and research findings depict economic and social inequality in the United States. (F, Sp, Su)  |
| LSAL    | 4793   | Exploring Race and Gender in Film                | (Slashlisted with 5793) Prerequisites: Sophomore standing or permission from CLS academic adviser. An exploration of race and gender in film during the post-civil rights period. Examines the effects of inequality and inclusiveness through the cinematic lens and analyzes the evolution of film relating to the depiction of race and gender issues. No student may earn credit for both 4793 and 5793. (F, Sp, Su)   |
| LSAL    | 4920   | Internship in Administrative Leadership          | 1 to 3 hours. Prerequisite: junior standing and permission from CLS adviser. May be repeated with change of content; maximum credit nine hours. Field experience in issues related to a student's area of study. Students will gain knowledge through experiential and on-the-job practice. (F, Sp, Su)  |
| LSAL    | 5113   | Theories of Management and Leadership            | Prerequisite: graduate standing. This course explores and analyzes the concept of leadership including such topics as leadership theory, changing leadership roles, power, decision-making, empowerment, vision, communication, diversity, and ethics. (F, Sp, Su)   |
| LSAL    | 5133   | Cultures of Organizations                        | Prerequisite: graduate standing. The course looks at the meaning of organizational culture and its significance for leadership behavior, ways of thinking about organizations and the structure of organizations, the implications for leaders, and other relationships between organizations and aspects of leadership. (F, Sp, Su)   |
| LSAL    | 5153   | Ethics in Leadership                             | Prerequisites: graduate standing. An interdisciplinary inquiry into the nature of ethics, the relationship between ethics and morals, and the function of ethics in a social context. Major emphasis is on the effect of ethical decision making on successful leadership and the role that ethical behavior plays in the success of organizations. (F, Sp, Su)  |

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| Subject | Number | Title                                  | Course Description  |
|---------|--------|--|---|
| LSAL    | 5173   | The Individual and Leadership          | Prerequisite: graduate standing. This course explores the social, psychological, and behavioral characteristics of leadership, personal skills that enhance leadership ability, and strategies for dealing with interpersonal problems in organizations. (F, Sp, Su)  |
| LSAL    | 5193   | Creating, Leading, and Managing Change | Prerequisites: Graduate standing. An examination of effective leadership skills necessary to create and manage change in a variety of organizational settings. Topics include leadership styles in change management, organizational change strategies, models, and frameworks, and the potential barriers to change in organizations. (F, Sp, Su)  |
| LSAL    | 5203   | Leadership Issues in Decision Making   | Prerequisite: graduate standing, LSTD 5003, and LSAL 5113; or permission of dean. An interdisciplinary inquiry into the nature and attributes of rational and irrational decision making. Content will include research on how decisions must often be made with incomplete evidence, the use of cognitive psychology in decision making from a human intelligence perspective, and how decisions are made from a social and cultural process. Students will learn leadership decision making from individual, small group, and social environment contexts, as well as values of good decisions and the unintended consequences of poor decisions. (F, Sp, Su) |
| LSAL    | 5223   | Financial Leadership                   | Prerequisites: Graduate standing. Introduces foundational accounting principles and financial concepts for non-financial managers. Topics include analysis of financial reports, communication of financial data to organizational leaders and stakeholders, and financial planning. (F, Sp, Su)  |
| LSAL    | 5243   | Project Management                     | Prerequisite: graduate standing, LSTD 5003 and LSAL 5113; or permission of dean. An interdisciplinary inquiry to simulate as closely as possible the real-world experience of managing a project for a client; the client participates in the grading for the course. Topics include: project planning, project execution, project control, project communication, client relations, performance oriented design, collecting information in the field, current operations analysis, specifications for a proposed solution, devising and evaluating alternatives, and implementation. (F, Sp, Su)   |
| LSAL    | 5253   | Ethics in Organizations                | Prerequisites: Graduate standing. A discussion of moral and ethical decision-making processes as they relate to a variety of organizational settings. Topics include moral reasoning and the resolution of ethical challenges in careers, the relationship of ethics to concern for employees and the fiduciary responsibilities of organizations, case studies in ethical issues in organizational settings, and the development of an ethical leadership skill set. (F, Sp, Su)   |
| LSAL    | 5273   | Planning in Organizations              | Prerequisites: Graduate standing. An exploration of how organizations can create sustainable competitive advantage in their operating environments. Topics include the evaluation of social, political, technological, economic, and global factors that may affect an organization, the creation of linkages between an organization's non-financial purpose and its financial goals, and the development of successful business strategies in conjunction with effective business planning methods. (F, Sp, Su)   |
| LSAL    | 5283   | Building High Performance Teams        | Prerequisites: Graduate standing. Provides students with the knowledge needed to identify a group's current functioning and build the necessary conditions to create a high-performance team. Explores components of teams and examines the qualities of one who is capable of leading groups of people effectively. (F, Sp, Su)  |
| LSAL    | 5293   | Leadership in Practice                 | Prerequisites: Graduate standing. An investigation of applied leadership principles in a variety of leadership environments, including for profit, not for profit, and public organizations. Includes a review of different approaches to leadership and contemporary views of effective leadership supplemented by discussions with individuals who hold leadership positions. (F, Sp, Su)   |
| LSAL    | 5313   | Organizational Communications          | Prerequisite: graduate standing, LSTD 5003 and LSAL 5113; or permission of dean. An interdisciplinary inquiry in the role information and knowledge management play in making decisions in organizations, fundamental issues in the management of information, how people in organizations exchange information, and ultimately how effective sharing of information leads to effective problem solving. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| LSAL    | 5323   | Fundraising and Budgeting                         | Prerequisites: Graduate standing. Provides students with an overview of the history, philosophy, and ethics of fundraising and development. Students will learn about building relationships, goal setting, communication, and how to build strategic fundraising plans to support a non-profit organization's vision. (F, Sp, Su)  |
| LSAL    | 5333   | Motivation in Work and Leadership                 | Prerequisite: graduate standing. Exploration of personal and work motivation, including discussion of relevant theories and their application in leadership and the workplace. (F, Sp, Su)  |
| LSAL    | 5353   | Non-Profit Governance                             | Prerequisites: Graduate standing. Provides students with an overview of key issues involved in the governance of nonprofit organizations and the role of nonprofit boards. Major governance models are examined and implications of using the different models are discussed. (F, Sp, Su)   |
| LSAL    | 5363   | Staffing and Talent Management in Organizations   | Prerequisites: Graduate standing. Explores how to align people-management processes with organizational purpose and strategy within a nonprofit organization's vision, mission, and business strategy. (F, Sp, Su)  |
| LSAL    | 5393   | Followership                                      | Prerequisite: graduate standing. Introduction to the follower and the dynamics that result from followership in various organizational settings. Topics include theories and definitions of followership, categorization of follower types, and discussion of how followers can be a positive influence against ineffective or bad leadership. (F, Sp, Su)  |
| LSAL    | 5403   | Leadership in History                             | Prerequisite: graduate standing. Analysis of leadership principles using prominent examples drawn from history to discern patterns and test categories and theoretical generalizations of leadership. Discussions aim to facilitate the understanding of leadership in different historical contexts. Consideration is given to success and failure, the relative importance of personality vs. circumstances, leadership characteristics and styles. (F, Sp, Su)   |
| LSAL    | 5423   | Women in Leadership                               | Prerequisite: graduate standing, LSTD 5003 and LSAL 5113; or permission of dean. Exploration of women leaders and their influence on their respective societies, as well as contributions on a broader spectrum. Special attention is focused on how women leaders from different eras became change agents and what particular issues made them transformational leaders. (F, Sp, Su)  |
| LSAL    | 5443   | Religious Leaders for Social Justice              | Prerequisite: graduate standing, LSTD 5003 and LSAL 5113; or permission of dean. Focuses on the characteristics of leaders as individuals, and in particular as individuals of faith for causes pertaining to social justice. Explores individuals from the major faith traditions including Christianity, Judaism, Islam, Buddhism, and Native American religion and investigates the ways in which faith and the particular constellation of life experiences and social situations have inspired leadership for the cause of social justice. (F, Sp, Su)   |
| LSAL    | 5463   | US Military Leadership: Insights and Applications | Prerequisite: graduate standing, LSTD 5003 and LSAL 5113; or permission of dean. Studies leadership, both uniformed and civilian, in the United States military from 1775 to present within the context of the evolution of American military from a small 18th-century army and wooden ship-and-sail navy to the globe-dominating colossus of the late 20th-century. Includes the impact of technology, maturing military theory, and the changing position of the United States in the world that produced diverse leadership styles which are illustrated in the careers of military leaders such as George Washington, U.S. Grant, Robert E. Lee, David Farragut, John Pershing, Hap Arnold, George C. Marshall, and many others. (F, Sp, Su) |
| LSAL    | 5483   | National Security Leadership                      | Prerequisite: graduate standing. Discussion of leadership within the environment of the U.S. national security system. Course addresses the legislation that created the current national security system and examines the structure of the national security community, how it has evolved, and how it operates in practice. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| LSAL    | 5513   | Foundations in Professional Coaching                   | Prerequisite: graduate standing, LSTD 5003 and LSAL 5113; or permission of dean. A graduate-level survey course designed to familiarize students with the fundamental principles on which the field of professional coaching is built, to explore the core competencies required for professional coaching, to understand and analyze the methods used to facilitate the coaching process, to develop the basic skills required for effective practice as a professional coach, and to understand the guidelines that govern ethical coaching activities. (F, Sp, Su)  |
| LSAL    | 5533   | Theories of Professional Coaching                      | Prerequisite: graduate standing, LSTD 5003 and LSAL 5113; or permission of dean. This course examines the theories upon which the professional coaching practice is based. Special emphasis will be placed on developing a broad understanding of various theoretical approaches and how those theories facilitate client growth. Students will also be introduced to the personality of theorists, the cultural and historical context of their theory building, major themes and ideas of the theories and evidence and research supporting the theoretical approach. Students will also be asked to analyze the theories in the context of their own anticipated practice and potential audiences.(F, Sp, Su) |
| LSAL    | 5553   | Assessment-Based Coaching                              | Prerequisites: Graduate standing. An examination of best practices for using assessment results to conduct data-driven leadership and executive coaching and to maximize coaching effectiveness. (F, Sp, Su)   |
| LSAL    | 5573   | Careers in Coaching                                    | Prerequisites: Graduate standing. An overview of the career opportunities related to coaching in organizations, emphasizing the major theoretical and functional components of coaching in a variety of organizations. (F, Sp, Su)   |
| LSAL    | 5593   | Development and Grant Writing                          | Prerequisites: Graduate standing. An in-depth exploration of the grant attainment process, including practical exercises in proposal writing and the grant review process. (F, Sp, Su)   |
| LSAL    | 5700   | Advanced Topics in Administrative Leadership           | Prerequisite: graduate standing. May be repeated with change of content; maximum credit 12 hours. Advanced studies in various administrative leadership topics, offered under stated titles determined each semester by the instructor involved. Intensive research on a topic related to the student's program of study; variable topics. (F, Sp, Su)   |
| LSAL    | 5713   | Significance of Race in Society in the United States   | Prerequisites: Graduate standing. An exploration of the major theoretical perspectives used to explain racial issues in the United States. Identifies common racial/ethnic assumptions through an examination of how race or ethnicity is portrayed in the media with a comparison of current research findings relating to inequality. (F, Sp, Su)  |
| LSAL    | 5733   | Overcoming Educational Inequality in the United States | Prerequisite: Graduate standing. An examination of inequality within the American educational system from K-12 to higher education utilizing demographic data and analyzing current research on inequality based upon race, class, and gender. (F, Sp, Su)   |
| LSAL    | 5793   | Exploring Race and Gender in Film                      | (Slashlisted with 4793) Prerequisites: graduate standing. An examination of race and gender in film during the post-civil rights period. Explores the effects of inequality and inclusiveness through the cinematic lens and analyzes the evolution of film relating to the depiction of race and gender issues. No student may earn credit from both 4793 and 5793. (F, Sp, Su)   |
| LSAL    | 5920   | Internship in Administrative Leadership                | 2-6 hours. Prerequisite: graduate standing, LSTD 5003, and permission of dean. May be repeated; maximum credit six hours. Field experience directly related to study focus in the Administrative Leadership program. Requirements include some combination of journal, progress reports, written summary of experiences, or academic paper, and a possible comprehensive examination over these materials. (F, Sp, Su)   |
| LSCJ    | 2283   | Introduction to Criminal Justice                       | Investigation and analysis of the three major components of the criminal justice system: police, courts, and corrections. Topics include the criminal justice system's ability to balance crime control and individual civil liberties, the use of formal and informal decision-making processes, and the effectiveness of criminal justice policies, practices, and programs. (F, Sp, Su)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| LSCJ    | 2700   | Topics in Criminal Justice                      | May be repeated with change of content; maximum credit nine credit hours. Specific course content will be defined each time the course is offered. A problem-oriented approach to Criminal Justice. Reading and research, arranged and directed in consultation with the instructor, in specified areas of Criminal Justice. (F, Sp, Su)  |
| LSCJ    | 3063   | Statistics in Criminal Justice                  | Prerequisite: junior standing or permission from CLS adviser. An introduction to the basics of social statistics, the methods and techniques which sociologists, policy analysts, and other social scientists use to summarize numeric data obtained from censuses, surveys, and experiments. (F, Sp, Su)   |
| LSCJ    | 3113   | Comparative Justice Systems                     | Prerequisite: junior standing or permission from CLS adviser. Examines and compares the legal and criminal justice systems of different nations. Focuses on historical, political and social factors, and explains their influence on legal institutions and systems of justice. Discusses points of divergence between other societies and the United States in perceived causes of crime and differing approaches to rehabilitation and crime prevention. Countries representing Europe, Africa, Asia and Latin America are included. (F, Sp, Su) |
| LSCJ    | 3133   | Theories of Criminal Behavior                   | Prerequisite: junior standing or permission from CLS adviser. An overview of theories of criminal behavior as well as current issues in criminology. Students will be exposed to biological, sociological and psychological theories of crime, as well as opposing viewpoints on important topics in criminology. (F, Sp, Su)   |
| LSCJ    | 3173   | Deviance and Social Control                     | Prerequisite: junior standing or permission from CLS adviser. Students will be introduced to the sociological study of deviance and social control, with a focus on the social construction of deviant behavior and the relative nature of such definitions through time and across cultures. Current research on selected types of deviance will be reviewed to understand the individual and structural dimension of behavior as well as implications for policy and social control. (F, Sp, Su)  |
| LSCJ    | 3203   | Criminal Justice Administration                 | Prerequisite: junior standing or permission from CLS adviser. Covers the development, proliferation, institutionalization, and goals of the components of the criminal justice system and their administration. The course will also cover the ethics of managing justice and punishment. (F, Sp, Su)   |
| LSCJ    | 3223   | American Judicial Processes                     | Prerequisite: junior standing or permission from CLS adviser. Acquaints students of criminal justice with the overall structure of state and federal courts, including jurisdiction, sources of law, civil and criminal legal procedures from initial pleadings through appeal, substantive civil and criminal law, and policy issues about the role of the judiciary in representative government. (F, Sp, Su)   |
| LSCJ    | 3440   | Mentored Research Experience                    | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| LSCJ    | 4123   | Introduction to Forensic Science/Criminalistics | Prerequisite: junior standing or permission from CLS adviser. Using the study and application of science to examine the relationship between science disciplines, and the criminal investigative process, students will be presented with theories and principles related to methods in the recognition, collection, preservation and analysis of physical evidence. Actual forensic cases will be presented and discussed throughout the course. (F, Sp, Su)   |
| LSCJ    | 4143   | Drugs and Society                               | Prerequisite: junior standing or permission from CLS adviser. Examines the impact of drug abuse on contemporary American society. Students learn about drug regulation and legal issues, how drugs affect the brain and shape behavior, and the various categories of drugs and their characteristics. Also focuses on drug abuse prevention, treating drug dependence, and law enforcement programs to address drugs in society. (F, Sp, Su)   |

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| Subject | Number | Title                                 | Course Description   |
|---------|--------|---------------------------------------|--|
| LSCJ    | 4223   | School and College Campus Policing    | Prerequisites: junior standing or permission from CLS adviser. A review of the role law enforcement plays in improving the safety and security of schools and the best practices for responding and dealing with multiple types of school crises. This course will emphasize successful practices in policing within the education systems of the United States and offer instruction to both police and educators on cooperative approaches to making schools safer. (F, Sp)                                    |
| LSCJ    | 4243   | Police and Policing                   | Prerequisite: junior standing or permission from CLS adviser. Provides a historical perspective of policing as well as up-to-date information on policing and the issues that police deal with in a post-9/11 society. The course will provide students with a basic understanding of the CSI effect, the creation of the Department of Homeland Security and developments in community policing. The course also highlights the role of officers in society and within the criminal justice system. (F, Sp, Su) |
| LSCJ    | 4263   | The American Correctional System      | Prerequisite: junior standing or permission from CLS adviser. A survey course covering the development of the field of corrections from its early American roots to the present. Included are discussions of the role and function of jails, traditional and modern correctional facilities, private/contract corrections, and probation and parole. (F, Sp, Su)   |
| LSCJ    | 4403   | Criminal Investigation                | Prerequisite: junior standing or permission from CLS adviser. Provides students with the theoretical and practical aspects of criminal investigation. Students develop an analytical and practical understanding of investigative methodology, the collection and preservation of physical evidence and explore current crime solving technology. (F, Sp, Su)  |
| LSCJ    | 4423   | Cyberspace Security                   | Prerequisite: junior standing or permission from CLS adviser. Provides an in-depth exploration of cyberspace crime and security. An intensive study of the types of crimes committed in cyberspace, a profile of offenders, and current legal issues in cyberspace. Students will explore emerging issues in information assurance and prevention of cyberspace crimes and will examine the proper collection, preservation and examination of digital evidence. (F, Sp, Su)                                     |
| LSCJ    | 4443   | Juvenile Delinquency                  | Prerequisite: junior standing or permission from CLS adviser. An overview of juvenile delinquency in the United States, including current issues. Students will read both classic studies on the emergence of the juvenile system and current research on trends in juvenile delinquency. (F, Sp, Su)  |
| LSCJ    | 4463   | Homeland/Global Security and Justice  | Prerequisite: junior standing or permission from CLS adviser. Designed to help the student understand how governments deal with the problem of securing the homeland. Examines what terrorism is, and how America has traditionally dealt with homeland security, and how that perspective is evolving. Once we understand what terrorism is, the focus of the course will be on how law enforcement and the courts have taken on the challenge of providing global security while ensuring justice. (F, Sp, Su) |
| LSCJ    | 4700   | Advanced Topics in Criminal Justice   | Prerequisite: junior standing or permission from CLS adviser. May be repeated with change of content; maximum credit nine hours. Specific course content will be defined each time the course is offered. A problem-oriented approach to criminal justice. Reading and research, arranged and directed in consultation with the instructor in specified areas of criminal justice. (F, Sp, Su)   |
| LSCJ    | 4920   | Internship in Criminal Justice        | 1 to 3 hours. Prerequisite: junior standing and permission from CLS adviser. May be repeated with change of content; maximum credit nine hours. Field experience in issues related to a student's area of study. Students will gain knowledge through experiential and on-the-job practice. (F, Sp, Su)  |
| LSCJ    | 5063   | Research Methods for Criminal Justice | Prerequisite: graduate standing, LSTD 5003 and LSTD 5013; or permission of dean. Introduces students to conducting and evaluating scientific research of the criminal justice system. Research methods overview the basics of research methodologies, with a focus on measurement and data collection. Statistical analysis overviews basic statistical techniques for analysis of criminal justice data, with a focus on both descriptive and inferential statistics. (F, Sp, Su)                               |



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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| LSCJ    | 5113   | Theoretical Foundations of Criminal Justice                        | Prerequisite: graduate standing. Enhances students' understanding of criminal theory focusing on critical analysis of major theoretical perspectives in a social, historical and political context. (F, Sp, Su)  |
| LSCJ    | 5133   | Criminal Justice Policy Development                                | Prerequisite: graduate standing. Students will learn how to measure policies against established standards of practice and case law, writing model policies to gain experience in the process, and evaluating policies to see if they actually work. (F, Sp, Su)   |
| LSCJ    | 5153   | Ethical Decision Making in Criminal Justice                        | Prerequisite: graduate standing. Principles from the major ethical positions charted by Plato, Aristotle, Hume, Mill, Kant, and Rawls. Students will combine these principles with codes of practice and current case law, examine case vignettes and discuss the ethical components of each case. (F, Sp, Su)   |
| LSCJ    | 5203   | Victimology and Restorative Justice                                | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. A survey of the evolving field of victimology from its preoccupation with the study of the victim as a co-active participant in crime to the reemergence of the victim as the focus of the criminal justice system and public policy. This course will also examine the corollary reemergence of the concept of restorative justice, which seeks to address the needs of victims, offenders, and the community. (F, Sp, Su)        |
| LSCJ    | 5213   | Mediation & Conflict Resolution for Criminal Justice Professionals | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. An examination of practical strategies for managing and resolving conflicts in criminal justice professions.(F, Sp, Su)  |
| LSCJ    | 5223   | Community Corrections in the 21st Century                          | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. Introduction to the topics of probation, parole, and other alternatives to incarceration, collectively referred to as Community Corrections. Emphasis will be placed on the role of research and program evaluation in determining policy/program effectiveness. (F, Sp, Su)   |
| LSCJ    | 5243   | Community Policing   | Prerequisite: graduate standing, LSTD 5003, LSCJ 5113, and LSCJ 5133; or permission of dean. An examination of proactive community-oriented policing and problem solving (COPPS) in the context of changes in police departments and communities. Topics include the history of COPPS initiatives, as well as implementation and methods for evaluating program efficacy.(F, Sp, Su)   |
| LSCJ    | 5253   | Juvenile Justice   | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. Provides an overview of juvenile delinquency and the juvenile justice system. The course will examine the historical background of juvenile delinquency and will focus on the depth and breadth of the problem, including theoretical causes of delinquency and their association with juvenile crime, the use of juvenile justice statistics and trend data, and the efficacy of intervention and diversion programs. (F, Sp, Su) |
| LSCJ    | 5263   | Restorative Justice Programs for Drug Offenders                    | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. An exploration of the restorative justice model focusing on how drug courts have implemented key principles of restorative justice programs to deter crime and improve public health. (F, Sp, Su)  |
| LSCJ    | 5283   | Human Trafficking and Prostitution                                 | Prerequisite: graduate standing, LSTD 5003 and LSAL 5113; or permission of dean. This course is an in-depth survey of human trafficking - both labor trafficking and sex trafficking. This course studies human trafficking in select countries around the world, including the United States. The course addresses each country as both a destination and a departure point for victims, as well as how officials of each country respond to victims of human trafficking.(F, Sp, Su)                               |
| LSCJ    | 5303   | Correctional Leadership  | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. A review of leadership styles, core competencies demonstrated by effective correctional leaders, skills sets needed for each managerial level within corrections, and elements of leadership that effect the development of a collaborate and dynamic workforce.(F, Sp, Su)  |
| LSCJ    | 5313   | Special Populations in Criminal Justice: Race                      | Prerequisite: graduate standing, LSTD 5003 and LSCJ 5113; or permission of dean. Examines the origins, extent and consequences of racial and ethnic overrepresentation at all stages of contemporary American criminal and juvenile justice systems by utilizing recent research from both race theory and criminological theory. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| LSCJ    | 5323   | Juvenile and Elderly Offenders in Prisons                               | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. An examination of juvenile and elderly prisoners and the concerns these special populations present in corrections management.(F, Sp, Su)  |
| LSCJ    | 5333   | Special Populations in Criminal Justice: Class                          | Prerequisite: graduate standing, LSTD 5003 and LSCJ 5113; or permission of dean. Examines the origins, extent and consequences of class/social inequity at all stages of the contemporary American criminal and juvenile justice systems by using emergent research from both social inequity theory and criminology. (F, Sp, Su)  |
| LSCJ    | 5343   | Mental Illness and the Criminal Justice System                          | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. An examination of mental illness in the criminal justice system. (F, Sp, Su)   |
| LSCJ    | 5353   | Women and Crime   | Prerequisite: graduate standing, LSTD 5003 and LSCJ 5113; or permission of dean. Provides an in-depth examination of women and crime, particularly in the United States, from a sociological perspective, focusing on theoretical explanations, women as offenders, women as victims of crime, and societal responses to female crime. (F, Sp, Su)   |
| LSCJ    | 5363   | Penology  | Prerequisite: graduate standing, LSTD 5003 and LSCJ 5113; or permission of dean. An exploration of key issues and emerging themes in scholarship on penology and corrections. Specific attention will be devoted to the United States and the significant correctional issues that it faces including theories of punishment, the history of incarceration, the current state of corrections in the United States, international comparisons in prisons, as well as an investigation of the future of incarceration. (F, Sp, Su) |
| LSCJ    | 5383   | Collateral Effects of Incarceration                                     | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. An examination of the indirect consequences of incarceration. Topics will include the impact of incarceration on the offender's family and community, indirect costs associated with incarceration, psychological harm to offenders caused by imprisonment, and the stresses experienced by correctional employees. (F, Sp, Su)  |
| LSCJ    | 5403   | Drug Enforcement Operations and Management                              | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. This course will examine how criminal justice professionals administer and manage drug investigations. Administrative topics will include personnel issues, policy development, and budgeting. Operational management topics will include informant management, undercover operations, tactical operations, wire-intercepts, and money laundering investigations.(F, Sp, Su)   |
| LSCJ    | 5413   | Substance Abuse and Crime in the United States                          | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. An examination of substance abuse trends in the United States. Topics include the interrelationship between substance abuse and dependency, substance abuse treatment and the criminal justice system, and the effectiveness of drug policies and programs. (F, Sp, Su)  |
| LSCJ    | 5423   | Global Drug Trafficking, Narco-Terrorism, and United States Drug Policy | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. An examination of the global nature of drug supply and demand, organizations involved in drug trafficking and narco-terrorism, and the implementation of US drug policies at the local, state, and federal levels. (F, Sp, Su)   |
| LSCJ    | 5463   | Gangs in the United States  | Prerequisite: graduate standing, LSTD 5003 and LSCJ 5113; or permission of dean. Gang formation, risk factors for joining gangs, and the efficacy of different types of prevention, intervention and interdiction policies. The historical backgrounds of gangs, drugs, and violence in America, as well as current issues related to these subjects, will be explored. (F, Sp, Su)  |
| LSCJ    | 5513   | Studies in Police Leadership  | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. An exploration of the dynamics of leadership within the law enforcement context, including the history and evolution of police administration, general leadership theories, management best practices, as well as contemporary issues confronting the profession. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| LSCJ    | 5533   | Crime Analysis for Intelligence-Led Policing      | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. Introduction to crime analysis and the use of data to intelligently prevent and/or interdict crime.(F, Sp, Su)  |
| LSCJ    | 5553   | Interpersonal Communications for Criminal Justice | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. An examination of professional interpersonal communications within the field of Criminal Justice. Topic for the course include effective communication processes, verbal and non-verbal communication, stereotyping, crisis intervention, interviewing, negotiating, stress awareness in communication encounters, conflict resolution, and team and leadership communication.(F, Sp, Su)                                     |
| LSCJ    | 5583   | Cyber-Forensics                                   | Prerequisite: graduate standing, LSTD 5003, and LSCJ 5113; or permission of dean. An examination of the legal, ethical and technical aspects of cyber-forensics.(F, Sp, Su)   |
| LSCJ    | 5700   | Advanced Topics in Criminal Justice               | Prerequisite: graduate standing. May be repeated with change of content; maximum credit 12 hours. Advanced studies in various criminal justice topics, offered under stated titles determined each semester by the instructor involved (F, Sp, Su)  |
| LSCJ    | 5920   | Internship in Criminal Justice                    | 2-6 hours. Prerequisite: graduate standing, LSTD 5003, and permission of dean. May be repeated; maximum credit six hours. Field experience directly related to study focus in the Criminal Justice program. Requirements include some combination of journal, progress reports, written summary of experiences, or academic paper, and a possible comprehensive examination over these materials. (F, Sp, Su)   |
| LSCS    | 1223   | Introduction to Chinese Language I                | Prerequisite: Permission from CLS adviser. An introductory course in Chinese language and culture, with a beginner-level emphasis on understanding, reading, writing, and communicating in Mandarin Chinese.(F, Sp) [I-FL]  |
| LSCS    | 1243   | Introduction to Chinese Language II               | Prerequisite: LSCS 1223. The second introductory course in Chinese language and culture, with a beginner-level emphasis on understanding, reading, writing, and communicating in Mandarin Chinese. (Sp)   |
| LSCS    | 2970   | Topics in Cultural Studies                        | 1 to 3 hours. May be repeated with change of content; maximum credit six credit hours. Specific course content will be defined each time the course is offered. A problem-oriented approach to cultural studies. May include reading and research, as well as lecture in a specified area of cultural studies. (F, Sp, Su)  |
| LSCS    | 3113   | Introduction to World Cultural Studies            | Prerequisite: junior standing. Introductory survey of the basic concepts of and approaches to world cultural studies. Topics include the definition and structure of cultures, cultural diversity and multicultural societies, Eurocentrism and other politicized visions of the world, and cross-cultural communication and exchanges. Dual emphasis upon scholarship and real-world applicability. (F, Sp, Su)  |
| LSCS    | 3203   | Contemporary Chinese Political Thought            | Prerequisite: junior standing. Introduces students to contemporary Chinese political thought. Attention will be given to other countries as comparison. Students also will be introduced to major characteristics and issues in Chinese history establishing a framework for understanding aspects of Chinese political culture and traditions. (F, Sp)   |
| LSCS    | 3223   | Cultural Geography of China                       | Prerequisite: junior standing. Introduces students to the cultural geography of China, though some attention will be given to other countries as comparison. Students will be introduced to major characteristics and issues in Chinese history providing a framework for understanding the aspects of Chinese cultural geography. (F, Sp)  |
| LSCS    | 3243   | Chinese Military                                  | Prerequisite: junior standing or permission from CLS adviser. A comprehensive examination of Chinese military thought, traditions, organizational structure, current capacity and deployment, strategic interests, projected growth, roles in domestic affairs, political influence, and new forms of militarization. This course emphasizes Chinese post-dynastic history and contemporary developments with attention given to Confucian philosophers' views on the use of force in a modern context. (F, Sp) |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| LSCS    | 3263   | Chinese Culture and Civilization   | Prerequisite: junior standing. Studies the major features of the principal existing civilizations in China, as they were originally formed and as they have been altered after the 17th century by the "forces of modernity." This course focuses on the rise of Chinese civilizations, the formation and development of the Chinese empire, the cultural exchanges among East Asian countries and between East Asia and other parts of the world, and the position of East Asian civilizations in the ancient and medieval world. Attempts to define what major traditional features of the civilizations were, and how they intermesh to produce East Asia that has entered the modern world. (F, Sp) |
| LSCS    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| LSCS    | 4700   | Advanced Topics in Cultural Studies                                      | Prerequisite: junior standing or permission from CLS adviser. May be repeated with change of content; maximum credit nine hours. Specific course content will be defined each time the course is offered. A problem-oriented approach to cultural studies. Reading and research, arranged and directed in consultation with the instructor in specified areas of cultural studies. (F, Sp, Su)  |
| LSCS    | 4920   | Internship in Cultural Studies   | 1 to 3 hours. Prerequisite: junior standing and permission from CLS adviser. May be repeated with change of content; maximum credit nine hours. Field experience in issues related to a student's area of study. Students will gain knowledge through experiential and on-the-job practice. (F, Sp, Su)   |
| LSHA    | 5113   | Strategic Planning and Evaluation in HHSA                                | Prerequisite: graduate standing. An interdisciplinary inquiry into the concepts of strategic planning and evaluation in the human and health services organizational settings. Study of strategic planning, implementation skills, and the evaluation process. Study of various models and approaches to designing and conducting strategic planning, including specific techniques for conducting environmental scans, swot analysis (strengths, weaknesses, opportunities and threats), strategic issue identification, and strategy formulation. (F, Sp, Su)   |
| LSHA    | 5133   | Cultural, Social and Diversity Issues in HHSA                            | Prerequisite: graduate standing. An interdisciplinary inquiry into cultural, social and other diversity issues that human and health services professionals will encounter in the process of providing services to their client/patients. Exploration of how one's cultural and social environment impacts one's belief system. Successful delivery of service will depend upon the depth of understanding by personnel with regard to various belief systems. (F, Sp, Su)  |
| LSHA    | 5153   | Ethics in Human and Health Services Administration                       | Prerequisite: 5003 or permission. An interdisciplinary inquiry into the nature of ethics, especially in the context of multicultural healthcare; the kinds of moral problems within this landscape and how rational thinking can guide ethical thought in ways that address the challenges in healthcare policy and reform. (F, Sp, Su)   |
| LSHA    | 5313   | Cross-Cultural Health Issues in Human and Health Services Administration | Prerequisite: graduate standing, LSTD 5003 and LSHA 5113; or permission of dean. Explores multiple issues in the field of international health using a multidisciplinary perspective while including particular countries as examples. Students are exposed to the perspective that human lives are affected by larger, societal influences that often are beyond our immediate individual control. Explores the ways in which structural level variables influence human health, including economic, historical, cultural, political and psychosocial factors. (F, Sp, Su)   |
| LSHA    | 5403   | Geriatric Issues in Human and Health Services Administration             | Prerequisite: graduate standing, LSTD 5003 and LSHA 5113; or permission of dean. Introduces health and developmental issues pertaining to human geriatric populations, provides specific challenge areas for focusing on both problems and potential solutions, and highlights positive, recreational and self-actualizing activities and pursuits available to geriatric populations. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| LSHA    | 5513   | Psychosocial Aspects of Disabilities in HHSA                | Prerequisite: graduate standing, LSTD 5003 and LSHA 5113; or permission of dean. Examines the struggles in which persons with disabilities have been engaged and the barriers they have had to overcome, as well as the barriers they continue to face in their quest to obtain the freedoms that persons without disabilities so freely enjoy. The following areas will be examined in some detail: disenfranchisement of persons with disabilities; attitudes toward persons with disabilities, Americans with Disabilities Act (ADA), and other legislative disability rights movement; self concept and self esteem, role of family; and intervention strategies. (F, Sp, Su) |
| LSHA    | 5700   | Advanced Topics in Human and Health Services Administration | 2 to 9 hours. Prerequisite: graduate standing. May be repeated; maximum credit 12 hours. Advanced studies in various HHSA topics, offered under stated titles determined each semester by the instructor involved. (F, Sp, Su)  |
| LSHA    | 5920   | Internship in Human and Health Services Administration      | 2-6 hours. Prerequisite: graduate standing, LSTD 5003, and permission of dean. May be repeated; maximum credit six hours. Field experience directly related to study focus in the HHSA program. Requirements include some combination of journal, progress reports, written summary of experiences, or academic paper, and a possible comprehensive examination over these materials. (F, Sp, Su)   |
| LSIS    | 5700   | Advanced Topics in Integrated Studies                       | 2 to 9 hours. Prerequisite: graduate standing. May be repeated; maximum credit 12 hours. Intensive research on a topic related to the student's program of study; variable topics. (F, Sp, Su)  |
| LSIS    | 5920   | Internship in Integrated Studies                            | 2 to 6 hours. Prerequisite: graduate standing, LSTD 5003, and permission of dean. May be repeated; maximum credit six hours. 450 hours of field experience directly related to study focus in the MALS program. Requirements include journal, reports, written summary, and comprehensive examination over these materials. (F, Sp, Su)   |
| LSIS    | 5960   | Directed Readings   | 2 to 9 hours. Prerequisite: graduate standing, LSTD 5003, and completion of first concentration core course; or permission of the dean. May be repeated with change of content; maximum credit 9 hours. In-depth study of literature on a topic related to the student's program of study; variable content. (F, Sp, Su)  |
| LSIS    | 5970   | Special Topics/Seminar                                      | 1 to 3 hours. Prerequisite: graduate standing, LSTD 5003, and completion of first concentration core course; or permission of dean. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| LSIS    | 5980   | Research for Master's Thesis                                | Prerequisite: graduate standing, LSTD 5003, LSTD 5013, and completion of first concentration core course; or permission of dean. May be repeated; maximum credit six hours. Research and writing of a thesis for completion of CLS graduate degrees. (F, Sp, Su)  |
| LSIS    | 5990   | Independent Study   | 1 to 3 hours. Prerequisite: graduate standing, LSTD 5003, and completion of first concentration core course; or permission of dean. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| LSLC    | 2970   | Topics in Lifespan Care and Administration                  | 1 to 6 hours. May be repeated with change of content; maximum credit six credit hours. Specific course content will be defined each time the course is offered. A problem-oriented approach in lifespan care and administration. May include reading and research, as well as lecture in a specified area of cultural studies. (F, Sp, Su)  |
| LSLC    | 3113   | Lifespan Development  | Prerequisite: junior standing or permission from CLS adviser. Survey of human development from birth to death, drawing from multiple disciplines including biology, psychology, sociology, and medicine. The emphasis is on empirically-derived information about human development that may be of practical use to individuals working directly with others in a service capacity. Particular attention is devoted to issues of physical, cognitive, social, and emotional development at all stages of the lifespan, as well as contextual influences on development. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| LSLC    | 3133   | Lifespan Health                                      | Prerequisite: junior standing or permission from CLS advisor. Lifespan Health will provide students with an introductory survey of the importance and principles of good health over the lifespan. Students will learn how to identify signs of incipient health problems and basic health promotion strategies. Assignments are designed to provide students with practical knowledge and application of health promotion across the lifespan. (F, Sp, Su)                   |
| LSLC    | 3153   | Ethical and Legal Issues in Health Care              | Prerequisite: junior standing or permission from CLS advisor. Introduction to the ethical and legal issues caregivers and administrators face in providing health services throughout the lifespan. (F, Sp, Su)   |
| LSLC    | 3173   | Human Service Administration I                       | Prerequisite: junior standing or permission from CLS advisor. Introduction to current theory and best practices in the administration of human services in both non-profit and for-profit settings. Topics include legal issues, effective administrative models, leadership in human services organizations, and management of human resources. (F, Sp, Su)  |
| LSLC    | 3203   | Care of Infant and Child                             | Prerequisite: junior standing or permission from CLS advisor. Introduction to basic principles of child behavior and development and apply those principles to child care settings. Topics include normative physical, social, emotional, cognitive, and sexual development, as well as risk factors for early intervention and referral to professional services. (F, Sp, Su)  |
| LSLC    | 3223   | Problems of the American Family                      | Prerequisite: junior standing or permission from CLS advisor. Study of the societal influences that may have adverse effects on family life. Factors covered include poverty, divorce, employment, violence, substance abuse and other stressors. Additional topics include historical perspectives on the changing nature of the American family and evidence-supported strategies for coping with and preventing family stressors. (F, Sp, Su)                              |
| LSLC    | 3273   | Management of Infant and Child Care Facilities       | Prerequisite: junior standing or permission from CLS advisor. In-depth study of the theory and practice of managing infant and child care facilities. (F, Sp, Su)   |
| LSLC    | 3313   | Issues in Adolescence I                              | Prerequisite: junior standing or permission from CLS advisor. Investigation of the physical, behavioral, mental, emotional and social changes that accompany growth and development during the adolescent years. (F, Sp, Su)  |
| LSLC    | 3333   | Career and Life Development for Adolescents          | Prerequisite: junior standing or permission from CLS advisor. Discussion of current research on career options for adolescents. Specific emphasis is placed on providing practitioners with tools needed to develop plans of action to engage youth and help them choose a career and life course. (F, Sp, Su)  |
| LSLC    | 3373   | Management of Adolescent Residential Care Facilities | Prerequisite: junior standing or permission from CLS advisor. In-depth study of the theory and practice of managing adolescent residential care. (F, Sp, Su)  |
| LSLC    | 3403   | Issues in Geriatrics I                               | Prerequisite: junior standing or permission from CLS advisor. Introduction to key concepts and current research in geriatrics. Topics include operational definitions and terms used in studying geriatrics, facts and misconceptions associated with aging, and a review of US and international gerontological services and social policies. (F, Sp, Su)  |
| LSLC    | 3423   | Biology of Human Aging                               | Prerequisite: junior standing or permission from CLS advisor. Introduction of both natural science and social science methods used to study aging in humans and other creatures. Topics will include a synopsis of the demographics of aging in human populations, terms and theories of aging, mechanisms of aging at the cellular level, and a review of how the body ages, system-by-system. (F, Sp, Su)   |
| LSLC    | 3440   | Mentored Research Experience                         | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| LSLC    | 3473   | Management of Geriatric Care Facilities             | Prerequisite: junior standing or permission from CLS adviser. Introduction to the basic concepts and approaches to management of older patients and their informal care givers designed for staff and directors of service agencies that care for older individuals. Topics include understanding the motivations for care delivery in old age and the array of services available for geriatric care management. (F, Sp, Su)  |
| LSLC    | 3953   | Lifespan Capstone Prospectus                        | Prerequisite: junior standing and LSTD 3003; or permission from CLS adviser. Preparatory course for capstone experience in Lifespan Care and Administration. Course objectives include a critical evaluation of research issues in Lifespan Development, investigation of practicum opportunities, and development of a practicum case study with a preliminary annotated bibliography. (F, Sp, Su)  |
| LSLC    | 4063   | Issues in Lifespan Research                         | Prerequisite: junior standing or permission from CLS adviser. Discussion of philosophy of science and scientific method as it relates to research in health and human services. (F, Sp, Su)  |
| LSLC    | 4193   | Human Service Budgeting and Finance                 | Prerequisite: junior standing or permission from CLS adviser. Introduction to the leadership competencies necessary to formulate, execute, monitor, and evaluate fiscal operations of human services organizations. (F, Sp, Su)  |
| LSLC    | 4203   | Parenting   | Prerequisite: junior standing or permission from CLS adviser. Review of theory and research on styles and techniques of effective parenting for children and adolescents, including discussion of how contextual, cultural and individual difference factors impact parenting. Applications to real world contexts including counseling and case management services for children and families are also addressed. (F, Sp, Su)   |
| LSLC    | 4313   | Issues in Adolescence II                            | Prerequisite: junior standing and LSLC 3313, or permission from CLS adviser. Continuing study of important issues in adolescence, particularly those that can enhance or interfere with healthy physical, emotional, or social development. Topics include substance abuse, aggression, delinquency, gangs, sex, romantic relationships, peer relationships, and peer pressure. (F, Sp, Su)  |
| LSLC    | 4403   | Issues in Geriatrics II                             | Prerequisite: junior standing and LSLC 3403, or permission from CLS adviser. Continuing study of geriatrics from a biological perspective. Topics include why and how organisms age, what it means to age successfully, and debates over whether and how aging might be slowed, stopped or reversed. (F, Sp, Su)   |
| LSLC    | 4513   | Registered Behavior Technician Preparatory Course   | Prerequisites: Sophomore standing. An exploration of the basic principles of Applied Behavior Analysis (ABA) designed to provide the knowledge base needed to work as a line therapist in ABA programs under the direction of licensed or certified personnel and to become a nationally certified Registered Behavior Technician. (F, Sp, Su)   |
| LSLC    | 4700   | Advanced Topics in Lifespan Care and Administration | Prerequisite: junior standing or permission from CLS adviser. May be repeated with change of content; maximum credit nine hours. Specific course content will be defined each time the course is offered. A problem-oriented approach to lifespan care and administration. Reading and research, arranged and directed in consultation with the instructor in specified areas of lifespan care and administration. (F, Sp, Su)   |
| LSLC    | 4920   | Internship in Lifespan Care and Administration      | 1 to 3 hours. Prerequisite: junior standing and permission from CLS adviser. May be repeated with change of content; maximum credit nine hours. Field experience in issues related to a student's area of study. Students will gain knowledge through experiential and on-the-job practice. (F, Sp, Su)  |
| LSLC    | 4953   | Lifespan Practicum and Study-in-Depth               | Prerequisite: junior standing, and LSTD 3003 and LSLC 3953; or permission from CLS adviser. The senior capstone course in Lifespan Care and Administration consisting of a field practicum followed by a scholarly paper on a specialized topic/case study within the area of lifespan studies. The required paper shall be of the quality and extent comparable to a senior thesis. The study should reflect the student's competence and achievement in sustained research on a topic within lifespan studies. (F, Sp) |
| LSMS    | 5113   | The World of a Museum                               | Prerequisite: graduate standing. Baseline course introducing all aspects of museums and museum careers including history, structure, operations, and theoretical underpinnings. (F, Sp, Su)  |

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| Subject | Number | Title                                   | Course Description   |
|---------|--------|---|--|
| LSMS    | 5133   | The History and Architecture of Museums | Prerequisite: graduate standing. The course explores the history of museums with special emphasis on the architectural development and the special facilities requirements of museums; it will look at the physical requirements in terms of museum missions, functions, collections, and operations. (F, Sp, Su)  |
| LSMS    | 5163   | Museum Management and Leadership        | Prerequisite: graduate standing. In-depth study of the philosophy, policies, and practices of museum governance, including such topics as ethics, board development, institutional mission and organization. (F, Sp, Su)   |
| LSMS    | 5173   | Museums, Cultures, and Communities      | Prerequisite: graduate standing. The course will focus on the complex issues among museums, diverse populations, and other public factors such as public and education programs, fundraising, public relations, marketing, etc. (F, Sp, Su)  |
| LSMS    | 5183   | Collections Management                  | Prerequisite: graduate standing. This course will consider the place of collections in the life of a museum; how collections mesh with the museum mission; collections policies and stewardship. It will relate theoretical ideas on collection development and maintenance to the actualities of museum situations. (F, Sp, Su)   |
| LSMS    | 5190   | Museum Project                          | Prerequisite: graduate standing and permission of dean. May be repeated with change of subject; maximum credit four hours. Students will develop a project in their home museum or organization under the direction of an OU faculty member with an on-site supervisor or can come to OU for a project at one of the OU museums or special collections. (F, Sp, Su)  |
| LSMS    | 5203   | Historic Preservation                   | Prerequisite: graduate standing. Introduction to the field of historic preservation, including identification, documentation, and presentation of historic buildings, sites, and structures. (F, Sp, Su)   |
| LSMS    | 5223   | The House Museum                        | Prerequisite: graduate standing. Examination of the house as a museum. Topics include identifying historical significance and architecture, conservation and interpretation, and developing community involvement. (F, Sp, Su)   |
| LSMS    | 5243   | The Small Museum                        | Prerequisite: graduate standing. Introduction to the history and nature of small museums in the United States. Topics include cultural significance, administration, finance, funding, staffing, program/exhibition development, community involvement, and partnership building. (F, Sp, Su)  |
| LSMS    | 5313   | Museum Education                        | Prerequisite: graduate standing, LSTD 5003 and LSMS 5113; or permission of dean. Introduction to museum education, including object-based learning environments, and theory, an understanding of which fosters the development of effective motivating educational programs in museums. (F, Sp, Su)  |
| LSMS    | 5333   | Introduction to Museum Interpretation   | Prerequisite: graduate standing, LSTD 5003 and LSMS 5113; or permission of dean. Introduces students to museum interpretation as a mode of communication intended to highlight information, emphasize the whole, and ultimately provoke curiosity about a topic, with a variety of media, such as exhibits and programs. (F, Sp, Su)   |
| LSMS    | 5403   | Museums and Native Cultures             | Prerequisite: graduate standing, LSTD 5003 and LSMS 5113; or permission of dean. Designed for students to understand the representational history of native cultures in museums and the dynamic collaboration between a museum and a culture to accomplish an authentic and respectful presentation today. (F, Sp, Su)   |
| LSMS    | 5423   | Controversy and the World of the Museum | Prerequisite: graduate standing, LSTD 5003 and LSMS 5113; or permission of dean. It is crucial that the museum professionals are acquainted with some of the most controversial exhibitions historically, as well as the ones from the 1990s along with an important discussion of the external legal, political, financial, and social forces that are crucial in influencing the course and the outcome of the examined cases. (F, Sp, Su) |
| LSMS    | 5700   | Advanced Topics in Museum Studies       | 2 to 9 hours. Prerequisite: graduate standing, LSTD 5003 and LSMS 5113; or permission of dean. May be repeated with a change of content; maximum credit 12 hours. Topics offered under this course number will include but not be limited to: education and public programs; legislation and museum policies; exhibitions; museum stores, volunteers, and associations. (F, Sp, Su)  |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| LSMS    | 5920   | Internship in Museum Studies                       | 2-6 hours. Prerequisite: graduate standing, LSTD 5003, and permission of dean. May be repeated; maximum credit six hours. Field experience directly related to study focus in the Museum Studies program. Requirements include some combination of journal, progress reports, written summary of experiences, or academic paper, and a possible comprehensive examination over these materials. (F, Sp, Su)     |
| LSPS    | 5113   | Foundations in Prevention Science                  | Prerequisite: graduate standing. Provides a theoretical and practical basis for exploring the role of primary prevention, examining prevention practice as social action, analyzing prevention systems and development, and evaluating the role of media advocacy and social marketing in effective prevention practice as they relate to substance abuse. (F, Sp, Su)  |
| LSPS    | 5133   | Prevention Across the Lifespan                     | Prerequisite: graduate standing. Study of lifespan issues related to substance abuse to include theories of human growth and development, brain development, impact of substances on the brain at various stages of development, transition periods, and strategies to address service provision issues. (F, Sp, Su)  |
| LSPS    | 5173   | Program Development Implementation and Evaluation  | Prerequisite: graduate standing. Facilitates the development of knowledge and skills essential to understanding and applying concepts, principles, processes and models to plan, design, implement and evaluate substance abuse prevention programs. (F, Sp, Su)  |
| LSPS    | 5203   | Drugs and the Brain                                | Prerequisite: graduate standing. Examination of the effects of drug use on the brain. Topics include physical and functional aspects of the brain, damage to the brain caused by drugs, and how brain damage appears as behavioral patterns that cause problems for individuals, their families, and society in general. (F, Sp, Su)  |
| LSPS    | 5700   | Advanced Topics in Prevention Science              | 2 to 9 hours. Prerequisite: graduate standing. May be repeated; maximum credit 12 hours. Advanced studies in various prevention science topics, offered under stated titles determined each semester by the instructor involved. (F, Sp, Su)  |
| LSPS    | 5920   | Internship in Prevention Science                   | 2-6 hours. Prerequisite: graduate standing, LSTD 5003, and permission of dean. May be repeated; maximum credit six hours. Field experience directly related to study focus in the Prevention Science program. Requirements include some combination of journal, progress reports, written summary of experiences, or academic paper, and a possible comprehensive examination over these materials. (F, Sp, Su) |
| LSRL    | 5700   | Advanced Topics in Community Recreation Leadership | 2 to 9 hours. Prerequisite: graduate standing. May be repeated; maximum credit 12 hours. Intensive research on a topic related to the student's program of study; variable topics. (F, Sp, Su)  |
| LSRL    | 5920   | Internship in Community Recreation Leadership      | 2 to 6 hours. Prerequisite: graduate standing, LSTD 5003, and permission of dean. May be repeated; maximum credit six hours. 450 hours of field experience directly related to study focus in the MALS program. Requirements include journal, reports, written summary, and comprehensive examination over these materials. (F, Sp, Su)   |
| LSRL    | 5960   | Directed Readings                                  | 2 to 9 hours. Prerequisite: graduate standing, LSTD 5003, and completion of first concentration core course; or permission of dean. May be repeated with change of content; maximum credit 9 hours. In-depth study of literature on a topic related to the student's program of study; variable content. (F, Sp, Su)  |
| LSRL    | 5970   | Special Topics/Seminar                             | 1 to 3 hours. Prerequisite: graduate standing, LSTD 5003, and completion of first concentration core course; or permission of dean. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| LSRL    | 5990   | Independent Study                                  | 1 to 3 hours. Prerequisite: graduate standing, LSTD 5003, and completion of first concentration core course; or permission of dean. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)                                    |
| LSTD    | 1003   | Introduction to Interdisciplinary Study            | An introductory study of the concepts and practices of interdisciplinary inquiry, writing, critical thinking and problem solving across disciplines, and techniques for solving problems and writing papers from an interdisciplinary perspective. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| LSTD    | 1053   | Mathematics in Liberal Studies                            | Prerequisite: Norman Campus students only - DMAT 0123 at OU, satisfactory score on the placement test, or satisfactory score on the ACT/SAT. Designed to enhance the student's ability to utilize mathematical tools in their daily lives. Covers such topics as use of statistics, evaluating others' use of statistics, mathematics in finance, and use of exponents and logarithms in scientific calculations. (F, Sp, Su) [I-M]      |
| LSTD    | 1113   | Interdisciplinary Composition I                           | First in a series of two courses that help prepare students for interdisciplinary work by emphasizing writing and the conventions of academic discourse through natural sciences, social sciences, and humanities. Students will employ a variety of writing strategies, study expository prose models and interpret, critique, summarize and paraphrase test. (F, Sp, Su) [I-ENGL]  |
| LSTD    | 1133   | Interdisciplinary Composition II                          | Prerequisite: ENGL 1113 or LSTD 1113, or equivalent. This course completes the series of composition courses by emphasizing argument, library research, and style. Through its emphasis on thinking rhetorically, providing evidence for assertions, creative thinking, and writing as a process, this course will prepare students for argument and research-based writing in academic interdisciplinary settings. (F, Sp, Su) [I-ENGL] |
| LSTD    | 1153   | A History of the United States                            | A general historical overview of the United States with a particular focus on the role that the humanities played in shaping this country. (F, Sp, Su) [IV-US]   |
| LSTD    | 1213   | Creativity in the Arts                                    | Students will learn about the literary, visual and performance arts by viewing, reading and listening to some of the most famous examples of the arts. Students will also learn about the creative process through the production of their own art. (F, Sp, Su)  |
| LSTD    | 1313   | What in the World are the Social Sciences?                | Discusses what comprises the social sciences and how we perform research in the different areas, including addressing ethical questions. (F, Sp, Su) [III-SS]  |
| LSTD    | 1333   | Governing Ourselves                                       | An analysis of the differing ideologies governing autocratic vs. democratic systems of government, the structure of the United States government, and the role of extra-governmental elements such as lobbyists and the pacs on the process of governing. (F, Sp, Su) [III-SS]   |
| LSTD    | 1513   | Introduction to Interdisciplinary Physical Sciences       | Emphasis on physics and chemistry, including topics such as the laws of motion, elements of thermodynamics, wave forms and properties, structure of atoms, and the formation of chemical bonds. (F, Sp, Su)  |
| LSTD    | 2023   | Strategies for Success                                    | An exploration of useful skills and strategies for academic, professional, and personal success. Topics discussed include individual learning styles, emotional intelligence, time management, goal setting, effective listening and communication, organization, creative and critical thinking, interdependence and collaboration skills, and combating self-defeating patterns of thoughts and behaviors. (F, Sp, Su)                 |
| LSTD    | 2113   | Humanistic Tradition: Prehistory through Renaissance      | An overview of the humanities from a historical perspective - Prehistory through the Renaissance. Emphasis will be placed on what the humanities mean and why they are important. (F, Sp, Su)  |
| LSTD    | 2133   | The Humanistic Tradition: Renaissance to the Modern World | An overview of the humanities from a historical perspective - Renaissance to present day. Emphasis will be placed on what the humanities mean and why they are important. (F, Sp, Su)  |
| LSTD    | 2203   | Evil Acts, Religious Reasons                              | Examines the ways in which religious faith has been used to rationalize war, terrorism, ethnic cleansing and other evil acts. Using comparative religious study as a basis for inquiry, students will learn the five warning signs of imminent evil in the name of religion. This is an interdisciplinary course, drawing upon perspectives from religious history, sociology, education and religious philosophy. (F, Sp, Su)           |
| LSTD    | 2313   | The Human Experience: The Role of Culture                 | A critical discussion of prejudice, discrimination, gender identity and crime and deviance from the perspective of the social sciences. (F, Sp, Su)  |
| LSTD    | 2323   | Human Groups and Distribution of Resources                | A study of culture from a social sciences perspective, including investigating topics such as ethnocentrism, cultural relativism and personal identity within the context of being American. (F, Sp, Su)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| LSTD    | 2333   | Contemporary Social Issues                            | An introduction to social issues in modern day society. Beginning with an introduction to differing sociological perspectives, and addresses issues such as the changing demographics in the U.S., gender inequality, the environment, and both utopian and dystopian societies. Students will be expected to review, consider, and write how each of the topics impacts their lives, either directly or indirectly. (F, Sp, Su)   |
| LSTD    | 2533   | Science as a Process                                  | Analysis and criticism of the scientific method, design of experiments and collection and interpretation of data in scientific investigations. (F, Sp, Su) [II-NL]   |
| LSTD    | 2553   | Interdisciplinary Life Sciences                       | A study of the integration of biological systems at the cellular level. It includes discussions of metabolism, chromosome structure and function and the structure and function of the DNA molecule. (F, Sp, Su)   |
| LSTD    | 2700   | Special Topics in Liberal Studies                     | May be repeated with change of content; maximum credit nine credit hours. Specific course content will be defined each time the course is offered. A problem-oriented approach to interdisciplinary studies. Reading and research, arranged and directed in consultation with the instructor, in specified areas of liberal studies. (F, Sp, Su)   |
| LSTD    | 3003   | Interdisciplinary Inquiry                             | Prerequisite: junior standing or permission from CLS adviser. Will focus on adult learning theory and development, assessment of prior learning, development of self-directed learning skills, educational and career planning and writing of portfolios and learning contracts. Designed for the returning, adult learner. Will also focus on preparation for academic writing and argumentation. (F, Sp, Su)   |
| LSTD    | 3113   | Special Topics in the Humanities of the Ancient World | Prerequisite: junior standing or permission from CLS adviser. Students will explore a broad variety of cultural themes found concurrently in both western and non-western cultures from Antiquity through the Middle Ages. (F, Sp, Su) [IV-WC]   |
| LSTD    | 3133   | Special Topics in the Humanities of the Modern World  | Prerequisite: junior standing or permission from CLS adviser. Students will explore a broad variety of cultural themes found concurrently in both western and non-western cultures from the Renaissance through the Enlightenment and into the Modern World. (F, Sp, Su) [IV-WC]   |
| LSTD    | 3153   | Foundations of Ethics in Liberal Studies              | Prerequisite: junior standing or permission from CLS adviser. A foundation for the scholarly research and discussion of ethics. Topics will include historical and philosophical grounding in the consideration of ethics. The course will utilize an interdisciplinary approach to the inquiry of ethics. (F, Sp, Su)   |
| LSTD    | 3173   | Renaissance Art                                       | Prerequisite: junior standing or permission from CLS adviser. A critical discussion of the art of the Italian Renaissance. The focus of this course will be on explicating religious textual narratives and exploring how artists translated these ideas into visual form to create an effective message. The course will deal with painting, sculpture and architecture and will highlight well-known artists. (F, Sp, Su) [IV-AF]  |
| LSTD    | 3193   | Art of the Non-Western World                          | Prerequisite: junior standing or permission from CLS adviser. Explores a broad variety of cultural themes found in non-western art from the ancient world to the modern world. An introduction to the art of a variety of non-western cultures and examine the role that art history plays in the study of these visual objects. The course consists of four parts: African art; Asian art of India, China and Japan; native American art of North, Meso-America; and South America and the Pacific. (F, Sp, Su) [IV-NW] |
| LSTD    | 3283   | Film Noir   | Prerequisites: Sophomore standing or permission from CLS academic adviser. An exploration of film noir as an art form through the perspectives of history, sociology, psychology, philosophy, and technology. Topics include the intellectual and literary origins of film noir and the genre's impact on film making and culture. (F, Sp, Su)   |
| LSTD    | 3323   | Sleep and Dreams                                      | Prerequisite: junior standing or permission from CLS adviser. Designed to review the history and current research regarding sleep. Theories of the purpose and significance of dreams will be investigated. (F, Sp, Su)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| LSTD    | 3333   | Human Arrangements: Troubled Institutions, Probs. Inequality | Prerequisite: junior standing or permission from CLS adviser. Issues affecting institutions from family through those affecting the national population, including health care, education, the economy, and the interaction of government with all such questions. Problems arising from inequality among groups in the society, including poverty, elderly and young, minority and majority, and gender concerns. (F, Sp, Su)  |
| LSTD    | 3343   | Challenges in a Changing World                               | Prerequisite: junior standing or permission from CLS adviser. Conformity and deviance in societies. Topics addressed include sexual behavior, drug use and crime and violence. It also looks at social problems expressed on a broader scale, including those associated with increased problems and associated urbanization and the outbreaks of war, terrorism and international conflict arising from inequalities occurring on an international scale. (F, Sp, Su)  |
| LSTD    | 3353   | Women and Consumer Culture                                   | Prerequisite: junior standing or permission from CLS adviser. Analysis of the relationship of women to consumption and consumer culture. At the end of the course, students will be able to take a position and defend it with respect to various controversial arguments or ideas about women's relationship to consumption and consumer culture. (F, Sp, Su)  |
| LSTD    | 3363   | Ethics in Social Sciences                                    | Prerequisite: junior standing or permission from CLS adviser. Concepts, principles and case studies involved in ethics in the social sciences, with a particular emphasis on business ethics. Students will examine core values in light of social conditioning, short-term profiteering and the need for affiliation. (F, Sp, Su)  |
| LSTD    | 3373   | American Public Intellectuals                                | Prerequisite: junior standing or permission from CLS adviser. Examines the unique and diverse styles of four important Americans from four different eras in order to determine the impact these individuals had on society and posterity. (F, Sp, Su)  |
| LSTD    | 3440   | Mentored Research Experience                                 | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| LSTD    | 3513   | The Dynamic Universe   | Prerequisite: junior standing or permission from CLS adviser. Select topics including the Big Bang, formation of matter and its association into stars and planets, plate tectonics and the physics and chemistry of the atmosphere. (F, Sp, Su)  |
| LSTD    | 3533   | Ecology and Evolution  | Prerequisite: junior standing or permission from CLS adviser. A study of the interactions of genetic change in organisms with environmental stress, and contributions of these interactions to evolution. (F, Sp, Su)   |
| LSTD    | 3553   | Physics for Poets...Fundamentals of Physics                  | Prerequisite: junior standing or permission from CLS adviser. Introduces non-science students to the conceptual development and philosophical implications of some aspects of physics with a minimum amount of mathematics. The topics covered in this course include motion, energy conservation laws, electricity, optics, atoms, the nucleus, special relativity, and elementary particles. A solid foundation in high school algebra is required for entry into this course. (F, Sp, Su)  |
| LSTD    | 3573   | Chemistry for Changing Times                                 | Prerequisite: junior standing or permission from CLS adviser. An overview of chemistry, with fundamentals and organic processes explained. The course investigates chemicals found in everyday life and on the earth with the aim of understanding how chemical processes are at work, both in the environment around us and in energy, air, water, biochemistry, drugs, poisons and chemicals. It is ideal for the generalist and the interdisciplinary student, although it also provides excellent material for specialists. (F, Sp, Su) |
| LSTD    | 3953   | Study-in-Depth Prospectus                                    | Prerequisite: junior standing and LSTD 3003; or permission from CLS adviser. This course helps prepare the student for the senior capstone study in depth paper. Content will focus on upper-division level writing, research and argumentation. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| LSTD    | 3960   | Honors Reading  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major. The topics will cover materials not usually presented in the regular courses. (Irreg.)  |
| LSTD    | 3970   | Honors Seminar  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| LSTD    | 3980   | Honors Research   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work on a special project under the guidance of a professor in the student's field. (Irreg.)  |
| LSTD    | 4213   | A Critical Review of the Bible as a Literary Work         | Prerequisite: junior standing or permission from CLS adviser. Examines the Bible as a work of literature, approaching it without concern for the doctrines of any particular religion. The aim of the course is to make students biblically familiar with both the Old and New Testaments. (F, Sp, Su)   |
| LSTD    | 4233   | Personal and Family Narratives                            | Prerequisite: junior standing or permission from CLS adviser. Offers students ways of exploring their own or their family's past with larger cultural and historical contexts. (F, Sp, Su)   |
| LSTD    | 4243   | Road Trip of the Mind                                     | Prerequisite: junior standing or permission from CLS adviser. Various points of view and mindsets in the global community with an end to developing writing skills, enhancing creative problem-solving abilities, improving an understanding of cultural diversity and conflict resolution, and enhancing awareness of how values, ethical positions, perspectives manifest themselves and how they evolve over time. (F, Sp, Su)  |
| LSTD    | 4273   | Jazz and the Global Community                             | Prerequisite: junior standing or permission from CLS adviser. A course about jazz, its social history, and its relationship to world cultures and the international community. Although jazz is no longer the most popular music in the United States, its history and the issues surrounding its nature stand at the heart of a diverse America that has borrowed cultures and traditions all over the world. (F, Sp, Su)   |
| LSTD    | 4283   | Socrates and Society                                      | Prerequisite: junior standing or permission from CLS adviser. Students gain an understanding of the thought of Socrates (through Plato), especially about the nature of self and society. Learn how Socrates approached problem solving and how to develop these skills. Relates the wisdom of this historical figure to the emerging and often perplexing problems of the present age. (F, Sp, Su)  |
| LSTD    | 4293   | Art and Medicine  | Prerequisite: junior standing or permission from CLS adviser. Students will investigate their own personal attitudes toward medical, health, and disease with visual imagery they encounter. Students will also develop their powers of observation and attention to detail in order to appreciate nuances of meaning, perception, and interpretation. Students should gain a greater sense of empathy and ability to appreciate the viewpoints of others through consideration of art forms and the artists who created them. (F, Sp, Su) |
| LSTD    | 4503   | Stars: Science and Myth                                   | Prerequisite: junior standing or permission from CLS adviser. A study the entire life cycle of stars through a descriptive point of view. The cultural impact of stars, shaping mythology and ritual, will also be examined. (F, Sp, Su)   |
| LSTD    | 4533   | Grasslands of the Great American Prairie                  | Prerequisite: junior standing or permission from CLS adviser. The evolution of grasslands and their co-evolution with grazing animals. Explores the ecology and geography of grasslands, especially the prairie and great plains of North America. The course provides a primer on ecology, environmental science, and evolution using grasses and grasslands as examples. (F, Sp, Su)   |
| LSTD    | 4563   | Weather and Climate                                       | Prerequisite: junior standing or permission from CLS adviser. An introduction to energy balance, temperature, atmospheric moisture, cloud formation, static stability, precipitation mechanisms, winds, mid-latitude and severe storms, weather forecasting and climate. The course is designed for students who are not scientists. (F, Sp, Su)   |
| LSTD    | 4593   | The Role of Genetic Engineering: Past, Present and Future | Prerequisite: junior standing or permission from CLS adviser. Examines the role of gene manipulation in the past, present, and future. It will begin with descriptions of genes, evolution and fitness, and will conclude by exploring the scientific and political future of genetic engineering. (F, Sp, Su)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| LSTD    | 4700   | Advanced Topics in Liberal Studies                        | Prerequisite: junior standing or permission from CLS adviser. May be repeated with change of content; maximum credit nine hours. Specific course content will be defined each time the course is offered. A problem-oriented approach to interdisciplinary studies. Reading and research, arranged and directed in consultation with the instructor in specified areas of liberal studies. (F, Sp, Su)  |
| LSTD    | 4920   | Internship in Liberal Studies                             | 1 to 3 hours. Prerequisite: junior standing and permission from CLS adviser. May be repeated with change of content; maximum credit nine hours. Field experience in issues related to a student's area of study. Students will gain knowledge through experiential and on-the-job practice. (F, Sp, Su)   |
| LSTD    | 4930   | Feaver-MacMinn Seminar                                    | 2 to 3 hours. Prerequisite: permission of department based on competitive application. May be repeated; maximum credit 9 hours. Interdisciplinary examination of human values in disciplines such as humanistic psychology, philosophy, and ethics. (Sp)  |
| LSTD    | 4953   | Study-in-Depth: CLS Capstone Course                       | Prerequisite: junior standing, LSTD 3003, and LSTD 3953; or permission from CLS adviser. A scholarly paper on a specialized topic, or an artistic or literary creation of the quality and extent comparable to a senior thesis. The study should reflect the student's originality, competence and achievement in sustained research or creative endeavor involving a specific or limited field in some depth. (F, Sp, Su) [V]                        |
| LSTD    | 4954   | Study-in-Depth: CLS Capstone Course                       | Prerequisite: junior standing, LSTD 3003, and LSTD 3953; or permission from CLS adviser. A scholarly paper on a specialized topic or an artistic or literary creation of the quality and extent comparable to a senior thesis. The study should reflect the student's originality, competence and achievement in sustained research or creative endeavor involving a specific or limited field in some depth. (F, Sp, Su) [V]                         |
| LSTD    | 4960   | Directed Readings   | 1 to 4 hours. Prerequisite: junior standing and permission from CLS adviser and instructor. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| LSTD    | 4970   | Special Topics/Seminar                                    | 1 to 3 hours. Prerequisite: junior standing or permission from CLS adviser. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| LSTD    | 4990   | Independent Study   | 1 to 3 hours. Prerequisite: Junior standing and permission of CLS adviser and instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| LSTD    | 5003   | Introduction to Graduate Interdisciplinary Studies        | Prerequisite: graduate standing. Intensive seminar providing orientation to advanced interdisciplinary study, appreciation for standards of performance and scholarship appropriate to graduate study, development of skills necessary for success in academic research and writing in a graduate interdisciplinary program. (F, Sp, Su)  |
| LSTD    | 5013   | Interdisciplinary Foundations                             | Prerequisite: graduate standing. Selected readings designed to reinforce the interdisciplinary approach to graduate studies and to introduce the concept of paradigms as an organizing principle for understanding and interpreting information. (F, Sp, Su)  |
| LSTD    | 5043   | Research Methods in Interdisciplinary Studies             | Prerequisite: graduate standing, LSTD 5003 and LSTD 5013; or permission of dean. Theories and techniques of research designed to prepare MLS students to carry out individual research on a topic within an interdisciplinary program of study. (F, Sp, Su)   |
| LSTD    | 5083   | Qualitative Research Methods in Interdisciplinary Studies | Prerequisite: graduate standing, LSTD 5003 and LSTD 5013; or permission of dean. An inquiry designed to acquaint students with qualitative research methods in interdisciplinary study. By the end of the course, the student will be familiar with the most common methods and issues qualitative research. Students will learn how to design a study; how to recognize and address ethical issues; and how to analyze qualitative data. (F, Sp, Su) |

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|---------|--------|--|---|
| LSTD    | 5213   | Interdisciplinary Study in the Humanities      | Prerequisite: graduate standing and LSTD 5003; or permission of dean. May be repeated twice with change of content; maximum credit nine hours. Individual study in the humanities arranged in consultation with faculty. May include reading assignments, projects, field experiences or other activities appropriate to goals of study program. Faculty arrange appropriate method of reporting and evaluation for each student. (F, Sp, Su)                       |
| LSTD    | 5313   | Interdisciplinary Study in the Social Sciences | Prerequisite: graduate standing and LSTD 5003; or permission of dean. May be repeated twice with change of content; maximum credit nine hours. Individual study in the social sciences arranged in consultation with faculty. May include reading assignments, projects, field experiences, or other activities appropriate to goals of study program. Faculty arrange appropriate method of reporting and evaluation for each student. (F, Sp, Su)                 |
| LSTD    | 5413   | Interdisciplinary Study in Natural Sciences    | Prerequisite: graduate standing and LSTD 5003; or permission of dean. May be repeated twice with change of content; maximum credit nine hours. Individual study in the natural sciences arranged in consultation with faculty. May include reading assignments, projects, field experiences, or other activities appropriate to goals of study program. Faculty arrange appropriate method of reporting and evaluation for each student. (F, Sp, Su)                |
| LSTD    | 5700   | Advanced Topics in Interdisciplinary Studies   | Prerequisite: graduate standing. Intensive research on a topic related to the student's program of study; variable topics. (F, Sp, Su)  |
| LSTD    | 5920   | Internship in Liberal Studies                  | 2 to 6 hours. Prerequisite: graduate standing, LSTD 5003, and permission of dean. May be repeated; maximum credit six hours. 450 hours of field experience directly related to study focus in the MALS program. Requirements include journal, reports, written summary, and comprehensive examination over these materials. (F, Sp, Su)   |
| LSTD    | 5930   | Feaver-MacMinn Seminar                         | (Slashlisted with 4930) 2 to 3 hours. Prerequisite: graduate standing and permission of department based on competitive application. May be repeated with change of content; maximum credit nine hours. Interdisciplinary examination of human values in disciplines such as humanistic psychology, philosophy, and ethics. No student may earn credit for both 4930 and 5930. (Sp)   |
| LSTD    | 5940   | Research Project in Liberal Studies            | 2 to 9 hours. Prerequisite: graduate standing, LSTD 5003, LSTD 5013, and completion of first concentration core class; or permission of dean. May be repeated; maximum credit six hours. Development of creative or applied research project related to MALS study focus. The final form will vary according to topic and purpose of the project but must include a written component. Comprehensive examination over the research project is required. (F, Sp, Su) |
| LSTD    | 5960   | Directed Readings in Interdisciplinary Studies | 2 to 9 hours. Prerequisite: graduate standing, LSTD 5003, and completion of first concentration core course; or permission of dean. May be repeated with change of content; maximum credit 9 hours. In-depth study of literature on a topic related to the student's program of study; variable content. (F, Sp, Su)  |
| LSTD    | 5970   | Special Topics/Seminar                         | 1 to 3 hours. Prerequisite: graduate standing, LSTD 5003, and completion of first concentration core course; or permission of dean. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| LSTD    | 5980   | Research for Master's Thesis                   | Prerequisite: graduate standing, LSTD 5003, LSTD 5013, and completion of first concentration core course; or permission of dean. May be repeated; maximum credit six hours. Research and writing of a thesis for completion of CLS graduate degrees. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| LSTD    | 5990   | Independent Study                                 | 1 to 3 hours. Prerequisite: graduate standing, LSTD 5003, and completion of first concentration core course; or permission of dean. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| LTRS    | 1113   | Introduction to Letters                           | Introduction to Letters major, OU's interdisciplinary humanities degree which provides a traditional liberal arts education. Modeled around a "Great-Books" approach that there is a canon of texts that has transcendent value because certain works are able to speak to the human condition across time and space. The curriculum is distinct through its insistence on combining history, philosophy, and literature as ways of asking the same fundamental questions through the record of actual human experience. A sequence of topics address perennial human concerns: reason and passion, love, death, work, God, freedom, time, and so on. (F, Sp) [IV-WC]                    |
| LTRS    | 1999   | Lower Division Transfer Credit                    | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| LTRS    | 2103   | Introduction to Constitutional Studies            | Provides a broad introduction to the theory and history of constitutional governance. Includes the classical roots of constitutional thought, the contribution of the English common law tradition, the origins and structure of the U.S. Constitution, along with a sense of the constitutional basis of contemporary political controversies. (F, Sp) [IV-WC]  |
| LTRS    | 2970   | Special Topics                                    | Prerequisite: none. May be repeated with change of content; maximum credit six hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| LTRS    | 3023   | Classical Italy and Umbria                        | Prerequisite: 45 hours and permission of instructor; priority enrollment will be given to those students participating in the Perugia program. An introductory survey of the evolution of Italy from the pre-Roman Italic and non-Italic peoples and civilizations through the Roman era, papal rule, the Renaissance, Spanish and French domination, and ultimate unification into a modern country. Because of the tremendous influence of ancient Rome on Italy, more time will be spent on the Roman era than any other. Course consists of internet research on selected and chronological topics followed by essays and class discussion using internet technologies. (Su) [IV-WC] |
| LTRS    | 3113   | The Examined Life I: Antiquity                    | Prerequisite: junior standing or permission of instructor. Survey of the great books of Greece and Rome, with emphasis on understanding the impact of classical texts on modern day thought. Can be applied to the Letters major's requirement in history, literature, or philosophy. (F) [IV-WC]  |
| LTRS    | 3123   | The Examined Life II: Middle Ages and Renaissance | Prerequisite: junior standing or permission of instructor. Survey of the great books of the Middle Ages and Renaissance, with emphasis on the impact of these texts on modern thought. Can be applied toward the Letters major's requirement in history, literature, or philosophy. (Sp) IV-WC]  |
| LTRS    | 3133   | Examined Life III: Enlightenment                  | Prerequisite: junior standing or permission of instructor. Survey of the great books of The Enlightenment, with emphasis on understanding the impact of these texts on modern thought. Can be applied toward the Letters Major's requirement in history, literature, or philosophy. (F) [IV-WC]  |
| LTRS    | 3143   | Examined Life IV: Modern Acad                     | Prerequisite: junior standing or permission of instructor. Survey of 19th and 20th century thought, with emphasis on intellectual movements that have influenced the development of modern higher education. Can be applied toward the Letters major's requirement in history, literature, or philosophy. (Sp) [IV-WC]   |



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|---------|--------|--|---|
| LTRS    | 3203   | Revenge Tragedy, Ancient and Modern            | Prerequisite: ENGL 1213 or EXPO 1213. Focuses on the revenge tragedy, a genre of entertainment that has enjoyed widespread popularity from its inception in Classical Antiquity up to the present day in commercial film. Investigates the origins of the revenge tragedy in Seneca's Medea, Thomas Kyd's Spanish Tragedy, and Shakespeare's Hamlet, and explores the ways that modern horror, action, and mobster films adopt and adapt conventions from these seminal works. (F, Sp) [IV-WC]          |
| LTRS    | 3213   | Shakespeare and Classical Mythology            | Prerequisite: English 1213 or Expository Writing 1213. Classical myth constitutes the single most important body of material that Shakespeare drew on in constructing his plays and poetry, and this course examines its significance to Shakespeare's writing. Whether used for comic, ironic, or tragic effect, Shakespeare's many allusions to Classical myth introduce us to words, images, and moral and aesthetic questions that significantly widen our perspective on his work. (F, Sp) [IV-WC] |
| LTRS    | 3303   | Origins of Rights in Early America             | Prerequisite: ENGL 1213 or EXPO 1213. Explores the historical, rather than the philosophical, origins of ideas of individual and group rights in the European settlement of the New World. (F) [IV-WC]  |
| LTRS    | 3313   | Secret Societies in American Culture           | Prerequisite: English 1213 or Expository Writing 1213. Examines secret societies in American history, from the Revolution through the twentieth century, including the Freemasons, Odd Fellows, Ku Klux Klan, and collegiate secret societies that could claim the membership of millions. (F)  |
| LTRS    | 3353   | Interpreting the American Founding             | Prerequisite: ENGL 1213 or EXPO 1213. Examines the various ways that scholars have interpreted the Founding over the past two hundred years. It is a study, then, of the historiographic interpretations of the events of the American Founding era rather than a study of the events and historical figures themselves. (F) [IV-WC]  |
| LTRS    | 3440   | Mentored Research Experience                   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)                           |
| LTRS    | 3510   | Topics in Letters                              | Prerequisite: Junior standing. May be repeated with change of content; maximum credit nine hours. Discussion of selected interdisciplinary topics in letters. (Irreg.)  |
| LTRS    | 3603   | Debating Constitutional Controversies          | Prerequisite: English 1213 or Expository Writing 1213. This course transforms the classroom into a courtroom. Students become lawyers and judges, arguing and deciding cases that hinge on our most important Constitutional controversies. Working in teams, students grapple with these contentious issues in the context of the Constitution, the common law, and legal theory. (F, Sp)  |
| LTRS    | 3703   | Law and Social Movements                       | Prerequisite: English/Expository Writing 1213. Examines the history of the interaction between the law and social movements in the United States from the Civil War to the present day. Topics include the struggles for racial and gender equality and the histories of immigrant and gay rights movements. (F, Sp)  |
| LTRS    | 3713   | Gender and the Constitution                    | Prerequisite: English/Expository Writing 1213. Examines how ideas about gender, sexuality, and the family have shaped the privileges and obligations of American citizenship. Topics covered in this class include feminism, masculinity, women's suffrage, interracial marriage, affirmative action, and sexual orientation. In addition, it will examine how women have shaped the law as plaintiffs, lawyers, and judges. (F, Sp)  |
| LTRS    | 3803   | Fate & The Individual in European Literature I | Prerequisite: English 1213 or Expository Writing 1213. Based on a course designed by W.H. Auden, this is part one of an intensive examination of classic texts of western literature, exploring questions of freedom, fate, and human responsibility. Texts introduce students to an ongoing conversation about what it means to be human. Begins in ancient Greece and ends in the seventeenth century. (F)  |

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| Subject | Number | Title   | Course Description   |
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| LTRS    | 3813   | Fate & The Individual in European Literature II | Prerequisite: English 1213 or Expository Writing 1213. Based on a course designed by W.H. Auden, this is part two of an intensive examination of classic texts of western literature, exploring questions of freedom, fate, and human responsibility. Texts introduce students to an ongoing conversation about what it means to be human. Texts cover the early modern period to the twentieth century. (Sp)  |
| LTRS    | 3923   | Oklahoma and the U.S. Constitution              | Prerequisite: English 1213 or equivalent. Views the story of American constitutionalism across the twentieth century through the lens of cases concerning Oklahoma. Takes advantage of the proximity of the institutions and even sometimes the individuals involved in these cases to foster primary research by undergraduates. The course ends with a unit on contemporary issues, ranging from establishment to federalism, which seem likely to garner national attention and adjudication. (F, Sp) |
| LTRS    | 3960   | Honors Reading                                  | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| LTRS    | 3970   | Honors Seminar                                  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| LTRS    | 3980   | Honors Research                                 | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| LTRS    | 3990   | Independent Study                               | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| LTRS    | 3999   | Upper Division Transfer Credit                  | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| LTRS    | 4103   | Atlantic Revolutionaries                        | Prerequisite: English/Expository Writing 1213. Examines the ideas of revolution, citizenship, and freedom in the Atlantic World in the late 18th and early 19th centuries. Students will examine revolutionary leaders including Simon Bolivar and Toussant L'Overture, and how ordinary people claimed for themselves ideas of equality and liberty in the Age of Revolution. (F, Sp)   |
| LTRS    | 4303   | Tocqueville's America                           | Prerequisite: English/Expository Writing 1213. Examines the nation that Frenchmen Alexis de Tocqueville and Gustave de Beaumont encountered when they came to the United States--its society, literature, politics, and culture. Explores, in depth, the two towering literary productions of their expedition into America: Tocqueville's Democracy in America and Beaumont's groundbreaking antislavery novel, Marie. (F, Sp)  |
| LTRS    | 4503   | Letters Capstone Course                         | Prerequisite: senior standing in major. May be repeated with change of content; maximum credit six hours. Students will write a senior paper on a topic chosen in consultation with the instructor. Papers will demonstrate students' abilities to synthesize material drawn from among two or more of the areas included in the Letters program. (F, Sp) [V]  |
| LTRS    | 4960   | Directed Readings                               | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| LTRS    | 4970   | Special Topics/Seminar                          | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| LTRS    | 4990   | Independent Study                               | Prerequisite: junior standing or permission of instructor or department. May be repeated; Maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)   |

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| LTRS    | 5960   | Directed Readings                               | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| LTRS    | 5970   | Special Topics/Seminar                          | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| LTRS    | 5990   | Independent Study                               | 1 to 3 hours. Prerequisite: graduate standing and permission of instructor. May be repeated; maximum credit six hours. Reading and research arranged and directed in consultation with the instructor, in specified areas of classical civilization and culture. (F, Sp, Su)   |
| LTRS    | 5999   | Graduate Level Transfer Credit                  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| M S     | 1011   | Military Conditioning                           | A physical conditioning course using exercises developed for use by the US Army and classroom instruction. This is a progressive program of exercise that promotes muscular strength and endurance, cardio-respiratory endurance, flexibility, and a healthy body fat content. Classroom instruction includes nutrition and the aspects of physical fitness in accordance with military service. A written mid-term and final exam is required for completion of the course. (F, Sp, Su)   |
| M S     | 1033   | Survival Skills                                 | This course teaches basic outdoor survival skills in a blended lecture/lab setting. Principles of survival are reinforced with hands-on practice in proven techniques that will enable one to survive in austere environments and conditions. After completing this course students will be better prepared to survive natural disasters and emergencies using found and improvised items, and will have the knowledge of how to mitigate hardships caused by disasters through advance planning. Topics include field expedient first aid, nutrition and unconventional foods, constructing shelters, land navigation, signaling, negotiating obstacles, clothing and equipment selection, and disaster preparedness. (F, Sp, Su) |
| M S     | 1113   | Introduction to Leadership I                    | Introduction to the organization of the US Army and the ROTC program. Overview of leadership principles, problem solving, military fitness, and effective communication. Introduces small unit tactics, map reading, land navigation, and the principles of officership. Laboratory (F)  |
| M S     | 1213   | Adaptive Leadership and Professional Competence | Prerequisite: MS 1113 or department permission. Introduces students to the personal challenges and competencies that are critical for adaptive leadership. Students learn the basics of the communications process and the importance for leaders to develop the essential skills to effectively communicate in the Army. Students will examine the Army Profession and what it means to be a professional in the U.S. Army. Laboratory. (Sp)  |
| M S     | 1999   | Lower Division Transfer Credit                  | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| M S     | 2233   | Foundations of Leadership - Compression         | Prerequisite: MS 1113 and 1213, or permission of department. Develops knowledge, understanding and skill in leadership and management techniques. Instruction focuses on how the leader functions in planning, organizing, controlling and evaluating organizational effectiveness. Detailed instruction is given in land navigation and small unit tactics. This class combines the course content of 2323 and 2423. Laboratory (Sp)  |
| M S     | 2323   | Foundations of Leadership I                     | Prerequisite: M S 1113 and M S 1213; or permission of the department. Examines the challenges of leading tactical teams in the complex Contemporary Operating Environment. Highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army leadership framework. Covers troop leading procedures, Army problem solving, land navigation, squad organization, fundamentals of the offense and defense, and battle drills. Laboratory (F)  |

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| Subject | Number | Title                            | Course Description  |
|---------|--------|----------------------------------|---|
| M S     | 2423   | Foundations of Leadership II     | Prerequisite: M S 2323, or permission of department. Develops knowledge, understanding and skill in land navigation, military operations, leadership and basic tactics. Instruction focuses on applying leadership and management theory to the area of organization effectiveness. Laboratory (Sp)   |
| M S     | 2512   | Basic Leadership Laboratory      | Consists of Basic Camp at Fort Knox, KY for six weeks. Combines content of 1112, 1212, 1223, 2223, 2313, and 2413. Laboratory (Su)  |
| M S     | 2610   | Introduction to Military History | Prerequisite: M S 1112 and M S 1212 or M S 1223. 1 to 3 hours. May be repeated; maximum credit three hours. Exposure to the tenets of military history study. Students will attend four class meetings to grasp the fundamental precepts and will prepare a paper on each book assigned. (F, Sp)  |
| M S     | 3011   | Military Conditioning            | Prerequisite: junior standing. A physical conditioning course using exercises developed for use by the US Army and classroom instruction. This is a progressive program of exercise that promotes muscular strength and endurance, cardio-respiratory endurance, flexibility, and a healthy body fat content. Classroom instruction includes nutrition and the aspects of physical fitness in accordance with military service. A written mid-term and final exam is required for completion of the course. (F, Sp, Su) |
| M S     | 3123   | Adaptive Team Leadership         | Prerequisite: M S 2423. Uses increasingly intense situational leadership challenges to build skill in leading tactical operations. Exercises focus on platoon level tactics in combat, stability, and support operations. Students conduct military briefings and develop proficiency in preparing orders, decision making, and building effective teams. Laboratory (F)  |
| M S     | 3223   | Applied Team Leadership          | Prerequisite: M S 3123. Theory, methods and principles for understanding leadership and behavior in groups. Analysis of the leader's role in directing and coordinating the efforts of individuals and small units in the execution of offensive and defensive tactical missions, to include communication systems, internal defense/development and the military team; intelligence gathering, and the role of the various branches of the Army. Laboratory (Sp)   |
| M S     | 3313   | Advanced Leadership Laboratory   | Prerequisite: 3213. Consists of Advanced Camp at Fort Lewis, WA for five weeks. Students are evaluated on their knowledge and implementation of Army leadership principles and skills, Army field craft, and garrison operations. Practical, hands-on application of material taught in 3113 and 3213. Laboratory (Su)  |
| M S     | 3440   | Mentored Research Experience     | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| M S     | 3610   | Historical Military Leadership   | 1 to 3 hours. Prerequisite: 2610 or permission of department chair. May be repeated; maximum credit three hours. Students will examine the personalities of selected military leaders through several sources. The studies will encompass the early career and continue to the culmination. Field trip to one of the nearby battlefields will be included. (F, Sp)  |
| M S     | 3980   | Honors Research                  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| M S     | 3999   | Upper Division Transfer Credit   | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| M S     | 4011   | Supervising Military Conditioning             | Prerequisite: senior standing. A physical conditioning course using exercises developed for use by the US Army. This is a progressive program of exercise that promotes muscular strength and endurance, cardio-respiratory endurance, flexibility, and a healthy body fat content. Students will develop a physical fitness plan in accordance with Army regulation and cadre support. Students will supervise the execution and evaluation of physical fitness. Classroom instruction includes nutrition and the aspects of physical fitness in accordance with military service. A written mid-term and final exam is required for completion of the course. (F, Sp, Su) |
| M S     | 4123   | Adaptive Leadership                           | Prerequisite: M S 3123 and M S 3223. Develops proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing leadership-performance feedback to subordinates. Students are given situational opportunities to assess risk, make sound ethical decisions, and provide coaching and mentoring to fellow students. Students analyze and evaluate the leadership values, attributes, skills, and actions of others while simultaneously considering their own leadership skills. Attention is given to preparation for success as future officers and the development of leadership abilities. Laboratory (F)          |
| M S     | 4222   | Senior Seminar in Advanced Leadership         | Prerequisite: 4212. Deals with the analysis and case studies of the great military leaders - primarily of the modern era, such as Frederick the Great, Napoleon, Ulysses S. Grant, etc. who have exercised outstanding leadership in combat. Focuses on leadership and application of the principles of war at the strategic, operational and tactical levels. Laboratory (Sp)  |
| M S     | 4223   | Mission Command and the Company Grade Officer | Prerequisite: M S 4123. Introduces students to the challenges of mission command and gaining an understanding of the Army Profession. Students learn the basics of what mission command is and how it is used in Army operations. Students will examine the Army Profession and what it means to be a professional in the U.S. Army. (Sp)   |
| M S     | 4510   | Seminar in Military Leadership                | 1 to 3 hours. Prerequisite: junior standing and permission of department. May be repeated with change of content; maximum credit nine hours. Students will learn various theories of leadership and organizational culture and gain practical experience in the application of those theories within a peer leadership setting. Additionally, the course may include elements of military history, social theory, ethics, and military law. (Irreg.)  |
| M S     | 4543   | The American Military Experience              | Prerequisite: 3113, 3213. Develops knowledge, understanding and a sense of historical-mindedness in future Army officers. Instruction focuses on the need to apply the lessons of history in the examination and treatment of contemporary military problems with which the Army is confronted A mandatory staff ride to one of several Oklahoma battlefields is included. (Sp)   |
| M S     | 4610   | Comparative Military History                  | 1 to 3 hours. Prerequisite: 3610 or permission of department chair. May be repeated; maximum credit three hours. Students will examine events leading to national and world crisis. Focus points will be socio-economic as well as goals and personalities of political and military leaders. (F, Sp)   |
| M S     | 5999   | Graduate Level Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| MATH    | 0999   | Remedial Transfer Credit                      | This is not a course offered at the University of Oklahoma. It is used to denote remedial transfer credit for which there is no OU equivalent course.   |
| MATH    | 1473   | Mathematics for Critical Thinking             | Prerequisite: "C" or better in DMAT 0123 at OU, or satisfactory score on the math assessment. A study of the mathematics needed for the critical evaluation of quantitative information and arguments including logic, critical appraisal of graphs and tables; use of simple mathematical models and an introduction to elementary statistics. (F, Sp, Su) [I-M]   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| MATH    | 1503   | College Algebra                                     | Prerequisite: "C" or better in DMAT 0123 at OU, or satisfactory score on the math assessment. Review of basic algebraic skills such as multiplying and factoring polynomials, rational expressions, linear equations and inequalities, exponents and radicals, absolute values. Other topics include the concept, notation, and algebra of functions, functions of linear, polynomial, rational, exponential, and logarithmic type, systems of equations. A student may not receive credit for this course and 1643. (F, Sp, Su) [I-M] |
| MATH    | 1523   | Precalculus and Trigonometry                        | Prerequisite: 1503 at OU, or satisfactory score on the math assessment. Review of function concepts. Topics covered include properties of functions, exponential and logarithmic functions, trigonometric functions and their inverses by unit circle and triangle approaches, trigonometric equations and identities, simple conic sections, polar coordinates, Demoivre's theorem, discrete algebra, induction, limits and continuity. (F, Sp, Su) [I-M]   |
| MATH    | 1643   | Precalculus for Business, Life, and Social Sciences | Prerequisite: "C" or better in DMAT 0123 at OU, or satisfactory score on the math assessment. Review of basic algebra skills. Topics covered include linear functions, exponential and logarithmic functions, systems of linear equations and inequalities, matrices and operations on matrices, linear programming, introductory trigonometry, elementary probability and statistics. A student may not receive credit for this course and 1503. (F, Sp, Su) [I-M]  |
| MATH    | 1743   | Calculus I for Business, Life and Social Sciences   | Prerequisite: 1523 or 1643 at OU, or satisfactory score on the math assessment. Topics in differentiation and integration of polynomial, exponential and logarithmic functions. Applications to the business, life and social sciences. A student may not receive credit for this course and 1823. (F, Sp, Su) [I-M]   |
| MATH    | 1823   | Calculus and Analytic Geometry I                    | Prerequisite: 1523 at OU, or satisfactory score on the math assessment. Topics covered include equations of straight lines; conic sections; functions, limits and continuity; differentiation; maximum-minimum theory and curve sketching. A student may not receive credit for this course and 1743. (F, Sp, Su) [I-M]  |
| MATH    | 1914   | Differential and Integral Calculus I                | Prerequisite: satisfactory score on the math assessment. Duplicates three hours of MATH 1823 and one hour of MATH 2423. Limits and continuity, differentiation, applications of differentiation to optimization and curve sketching, integration, the fundamental theorem of calculus, the substitution rule, applications of integration to computation of areas and volumes. (F, Sp, Su) [I-M]   |
| MATH    | 1999   | Lower Division Transfer Credit                      | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| MATH    | 2123   | Calculus II for Business, Life and Social Sciences  | Prerequisite: 1743. Differentiation and integration of exponential and logarithmic functions; simple differential equations; partial derivatives; double integrals, probability. Applications to the business, life and social sciences. A student may not receive credit for this course and 2423. (F, Sp, Su) [I-M]  |
| MATH    | 2213   | Mathematical Systems                                | Prerequisite: plane geometry, intermediate algebra, enrollment in an appropriate elementary teachers' program. A systematic analysis of arithmetic and a presentation of intuitive algebra and geometry. Not open to students in the University College. (F, Sp, Su)   |
| MATH    | 2223   | Data Analysis and Geometric Systems                 | Prerequisite: 0123 at OU or satisfactory score on math placement test and admission to 0802A, 0808A, or 0823A degree programs. Algebra and the structure of number systems, functional relationships, informal geometry. Course is not open to students in University College. (F, Sp)   |
| MATH    | 2423   | Calculus and Analytic Geometry II                   | Prerequisite: 1823. Integration and its applications; the calculus of transcendental functions; techniques of integration; and the introduction to differential equations. A student may not receive credit for this course and 2123. (F, Sp, Su) [I-M]  |
| MATH    | 2433   | Calculus and Analytic Geometry III                  | Prerequisite: 2423. Polar coordinates, parametric equations, sequences, infinite series, vector analysis. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| MATH    | 2443   | Calculus and Analytic Geometry IV               | Prerequisite: 2433. Vector calculus; functions of several variables; partial derivatives; gradients, extreme values and differentials of multivariate functions; multiple integrals; line and surface integrals. (F, Sp, Su)  |
| MATH    | 2513   | Discrete Mathematical Structures                | Prerequisite: MATH 2423 or MATH 2924 or concurrent enrollment. A course for math majors or prospective math majors. Provides an introduction to discrete concepts such as finite sets and structures, and their properties and applications. Also exposes students to the basic procedures and styles of mathematical proof. Topics include basic set theory, functions, integers, symbolic logic, predicate calculus, induction, counting techniques, graphs and trees. Other topics from combinatorics, probability, relations, Boolean algebras or automata theory may be covered as time permits. (F, Sp, Su) |
| MATH    | 2924   | Differential and Integral Calculus II           | Prerequisite: 1914 with a grade of C or better. Duplicates two hours of 2423 and two hours of 2433. The natural logarithmic and exponential functions, indeterminate forms, techniques of integration, improper integrals, parametric curves and polar coordinates, infinite sequences and series, vectors in two and three dimensions. (F, Sp, Su)   |
| MATH    | 2934   | Differential and Integral Calculus III          | Prerequisite: 2924 with grade of C or better. Duplicates one hour of 2433 and three hours of 2443. Vectors and vector functions, functions of several variables, partial differentiation and gradients, multiple integration, line and surface integrals, Green-Stokes-Gauss theorems. (F, Sp, Su)  |
| MATH    | 2970   | Special Topics/Seminar                          | 1 to 3 hours. Prerequisite: Permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| MATH    | 3113   | Introduction to Ordinary Differential Equations | Prerequisite: MATH 2423 or MATH 2924. Duplicates two hours of 3413. First order ordinary differential equations, linear differential equations with constant coefficients, two-by-two linear systems, Laplace transformations, phase planes and stability. (F, Sp, Su)  |
| MATH    | 3333   | Linear Algebra I                                | Prerequisite: MATH 2123 or MATH 1823 or MATH 1914 or permission of instructor. Systems of linear equations, determinants, finite dimensional vector spaces, linear transformations and matrices, characteristic values and vectors. (F, Sp, Su)   |
| MATH    | 3401   | Numerical Methods With Matlab                   | Prerequisite: 3413 or concurrent enrollment. Programming with MATLAB. Numerical solution of nonlinear equations. Matrices and linear algebraic equations, regression, interpolation, splines. Numerical integration. Numerical solution of systems of ordinary differential equations. Numerical solution of partial differential equation. Laboratory (F, Sp)  |
| MATH    | 3413   | Physical Mathematics I                          | Prerequisite: MATH 2443 or MATH 2934 or concurrent enrollment. Complex numbers and functions. Fourier series, solution methods for ordinary differential equations and partial differential equations, Laplace transforms, series solutions, Legendre's equation. Duplicates two hours of 3113. (F, Sp)   |
| MATH    | 3423   | Physical Mathematics II                         | Prerequisite: MATH 2443 or MATH 2934, MATH 3413. The Fourier transform and applications, a survey of complex variable theory, linear and nonlinear coordinate transformations, tensors, elements of the calculus of variations. (F)   |
| MATH    | 3440   | Mentored Research Experience                    | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| MATH    | 3613   | Modern Geometry                                 | Prerequisite: MATH 1743 or MATH 1823 or MATH 1914. An introduction to geometry including axiomatics, finite geometry, convexity, and classical Euclidean and non-Euclidean geometry. (F, Sp)  |
| MATH    | 3960   | Honors Reading                                  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers materials not usually presented in the regular courses. (F, Sp, Su)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| MATH    | 3980   | Honors Research                                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| MATH    | 3990   | Independent Study                               | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. Overall grade point average of 2.50 or better. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su) |
| MATH    | 3999   | Upper Division Transfer Credit                  | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| MATH    | 4073   | Numerical Analysis I                            | Prerequisite: 3113 or 3413. Solution of linear and nonlinear equations, approximation of functions, numerical integration and differentiation, introduction to analysis of convergence and errors, pitfalls in automatic computation, one-step methods in the solutions of ordinary differential equations. (F)  |
| MATH    | 4093   | Applied Numerical Methods                       | (Slashlisted with 5093) Prerequisite: MATH 2443 or MATH 2934, MATH 3113 or MATH 3413, MATH 3333 or MATH 4373, or permission of instructor. Numerical treatment of ordinary differential equations, numerical linear algebra and applications, basic numerical methods for partial differential equations. No student may earn credit for both 4093 and 5093. (Alt. Sp.)                                |
| MATH    | 4103   | Introduction to Functions of a Complex Variable | Prerequisite: 3113. Complex analytic functions, conformal mappings, complex integrals. Taylor and Laurent series, integration by the method of residues, complex analytic functions and potential theory. (Sp)   |
| MATH    | 4113   | Topics in Applied Mathematics                   | (Slashlisted with 5113) Prerequisite: permission of instructor. May be repeated with change of content; maximum credit nine hours. Algebraic coding theory, linear finite state workings, numerical analysis of differential equations, asymptotic analysis, game theory or other subjects. No student may earn credit for both 4113 and 5113. (Irreg.)  |
| MATH    | 4123   | Fourier Transforms                              | (Slashlisted with 5123) Prerequisite: MATH 2443 or MATH 2934, MATH 3113 or MATH 3413, MATH 3333, or permission of instructor. Fourier series, classical Fourier transform, discrete Fourier transform, distributions and Fourier transforms. Sampling and Shannon's Theorem. No student may earn credit for both 4123 and 5123. (F)  |
| MATH    | 4163   | Introduction to Partial Differential Equations  | Prerequisite: MATH 2443 or MATH 2934, MATH 3113 or MATH 3413. Physical models, classification of equations, Fourier series and boundary value problems, integral transforms, the method of characteristics. (F, Sp, Su)  |
| MATH    | 4193   | Introductory Mathematical Modeling              | Prerequisite: MATH 3113 or MATH 3413, MATH 3333, MATH 4733 or MATH 4753, or permission of instructor. Mathematics models are formulated for problems arising in various areas where mathematics is applied. Techniques are developed for analyzing the problem and testing validity of proposed model. (Sp)  |
| MATH    | 4313   | Introduction to Number Theory                   | Prerequisite: 2513 and 3333 or permission of instructor. Topics include factorization and prime numbers, congruence, quadratic residues and reciprocity, continued fractions and approximations, Diophantine equations, arithmetic functions, and selected applications. (Irreg.)  |
| MATH    | 4323   | Introduction to Abstract Algebra I              | Prerequisite: MATH 3333 and MATH 2513, or permission of instructor. Concepts from set theory; the system of natural numbers, extension from the natural numbers to the integers; semigroups and groups; rings, integral domain and fields. (F, Sp)   |
| MATH    | 4333   | Introduction to Abstract Algebra II             | Prerequisite: 4323. Extensions of rings and fields, elementary factorization theory; groups with operators; modules and ideals; lattices. (Sp)   |
| MATH    | 4373   | Abstract Linear Algebra                         | (Slashlisted with 5373) Prerequisite: 3333. Vector spaces over arbitrary fields, bases, dimension, linear transformations and matrices, similarity and its canonical forms (rational, Jordan), spectral theorem and diagonalization of quadratic forms. No student may earn credit for both 4373 or 5373. (F, Sp)  |



# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| MATH    | 4383   | Applied Modern Algebra                       | (Slashlisted with 5383) Prerequisite: 3333. Topics from the theory of error correcting codes, including Shannon's theorem, finite fields, families of linear codes such as Hamming, Golay, BCH, and Reed-Solomon codes. Other topics such as Goppa codes, group codes, and cryptography as time permits. No student may earn credit for both 4383 and 5383. (Sp) |
| MATH    | 4413   | Intermediate Ordinary Differential Equations | Prerequisite: 3113 or 3413; 3333. Duplicates one hour of 4323. Topics selected from: linear systems of equations, integral equations, stability theory, existence and uniqueness criteria, perturbation theory, dynamical systems, boundary-value problems, numerical methods. (Irreg.)  |
| MATH    | 4433   | Introduction to Analysis I                   | Prerequisite: MATH 2433 or MATH 2924, and MATH 2513 or permission of instructor. Review of real number system. Sequences of real numbers. Topology of the real line. Continuity and differentiation of functions of a single variable. (F, Sp, Su)   |
| MATH    | 4443   | Introduction to Analysis II                  | (Slashlisted with 5443) Prerequisite: 4433. Integration of functions of a single variable. Series of real numbers. Series of functions. Differentiation of functions of more than one variable. No student may earn credit for both 4443 and 5443. (Sp)  |
| MATH    | 4513   | Senior Mathematics Seminar                   | Prerequisite: MATH 2443 or MATH 2934; MATH 2513; MATH 3113 or MATH 3413; MATH 3333; and senior standing. Capstone course which synthesizes ideas from different areas of mathematics with emphasis on current topics of interest. The course will involve student presentations, written projects and problem solving. (F, Sp) [V]                               |
| MATH    | 4623   | Convexity Theory I                           | (Slashlisted with 5623) Prerequisite: 2513 and 3333, or permission of instructor. An introduction to the theory of convex sets. Topics include basic definitions and properties, separating and supporting hyperplanes, and combinatorial theorems of Caratheodory, Radon and Helly. No student may earn credit for both 4623 and 5623. (F)                      |
| MATH    | 4643   | Topics in Geometry and Combinatorics         | Prerequisite: 3333. May be repeated with permission of instructor; maximum credit six hours. Topics may include convexity (convex sets, combinatorial theorems in finite dimensional Euclidean space), graph theory, finite geometries, foundations of geometry. (F, Sp)   |
| MATH    | 4653   | Introduction To Differential Geometry I      | (Slashlisted with 5653) Prerequisite: MATH 2443 or MATH 2934, and MATH 3333, or permission of instructor. Elementary theory of curves and surfaces in three-dimensional Euclidean space, differentiable manifolds, Riemannian geometry of two dimensions, Gauss Theorem Egregium. No student may earn credit for both 4653 and 5653. (F)                         |
| MATH    | 4663   | Introduction to Differential Geometry II     | (Slashlisted with 5663) Prerequisite: 4653 or 5653. Intermediate theory of surfaces, covariant differentiation, geodesics, Gauss-Bonnet Theorem. Further topics may include: rigidity theorems, minimal surfaces, the Hopf-Rinow Theorem, the Hadamard Theorem, index of vector fields. No student may earn credit for both 4663 and 5663. (Sp)                  |
| MATH    | 4673   | Graph Theory I                               | (Slashlisted with 5673) Prerequisite: 2513 or permission of instructor. An introduction to the theory of graphs. Topics include basic definitions, cutpoints, blocks, trees, connectivity and Menger's theorem. No student may earn credit for both 4673 and 5673. (F)   |
| MATH    | 4733   | Mathematical Theory of Probability           | Prerequisite: MATH 2443 or MATH 2934 or concurrent enrollment. Probability spaces, counting techniques, random variables, moments, special distributions, limit theorems. (F)  |
| MATH    | 4743   | Introduction to Mathematical Statistics      | (Slashlisted with 5743) Prerequisite: 4733. Mathematical development of basic concepts in statistics: estimation, hypothesis testing, sampling from normal and other populations, regression, goodness-of-fit. No student may earn credit for both 4743 and 5743. (Sp)   |
| MATH    | 4753   | Applied Statistical Methods                  | Prerequisite: MATH 2123 or MATH 2423 or MATH 2924 or permission of instructor. Estimation, hypothesis testing, analysis of variance, regression and correlation, goodness-of-fit, other topics as time permits. Emphasis on applications of statistical methods. (F, Sp, Su)   |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| MATH    | 4773   | Applied Regression Analysis    | (Slashlisted with 5773) Prerequisite: 3333, 4733 or 4753 or any statistical probability course at an equivalent level. The general regression problem of fitting an equation involving a single dependent variable and several independent variables, estimation and tests of regression parameters, residual analysis, selecting the "best" regression equation. No student may earn credit for both 4773 and 5773. (Alt. F) |
| MATH    | 4793   | Advanced Applied Statistics    | (Slashlisted with 5793) Prerequisite: 4743 or 4753 or equivalent. Survey of advanced applied statistical methods other than applied regression, including exploratory data analysis, analysis of multivariate data (principal components: analysis, multiple analysis of variance, cluster analysis, etc.), and introduction to non-parametric methods. No student may earn credit for both 4793 and 5793. (Alt. F)           |
| MATH    | 4803   | Topics in Mathematics          | Prerequisite: permission of instructor. May be repeated with change of content; maximum credit nine hours. Topics may include any area of mathematics; these will be substantial and fundamental subjects not offered in regular courses. (F, Sp, Su)   |
| MATH    | 4853   | Introduction to Topology       | Prerequisite: MATH 2433 or MATH 2924; and MATH 2513; or permission of instructor. Metric spaces and topological spaces, continuity, connectedness, compactness and related topics. (Sp)   |
| MATH    | 4960   | Directed Readings              | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| MATH    | 4970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| MATH    | 4990   | Independent Study              | 1 to 3 hours. Prerequisite: three courses in general area to be studied, permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Sp)   |
| MATH    | 5093   | Applied Numerical Methods      | (Slashlisted with MATH 4093) Prerequisite: graduate standing and MATH 2443 or MATH 2934, MATH 3113 or MATH 3413, MATH 3333 or MATH 4373, or permission of instructor. Numerical treatment of ordinary differential equations, numerical linear algebra and applications, basic numerical methods for partial differential equations. No student may earn credit for both MATH 4093 and MATH 5093. (Alt. Sp.)                  |
| MATH    | 5103   | Mathematical Models            | Prerequisite: permission of instructor or admission to the M.S. program. May be repeated with change of content; maximum credit six hours. Mathematical models are formulated for problems arising in various areas in which mathematics has been applied. In each case, techniques are developed for analyzing the resulting mathematical problem, and this analysis is used to test the validity of the model. (Sp)         |
| MATH    | 5113   | Topics in Applied Mathematics  | (Slashlisted with 4113) Prerequisite: permission of instructor. May be repeated with change of content; maximum credit fifteen hours. Algebraic coding theory, linear finite state workings, numerical analysis of differential equations, asymptotic analysis, game theory or other subjects. No student may earn credit for both 4113 and 5113. (Irreg.)  |
| MATH    | 5123   | Fourier Transforms             | (Slashlisted with 4123) Prerequisite: graduate standing and MATH 2443 or 2934, MATH 3113 or MATH 3413, MATH 3333, or permission of the instructor. Fourier series, classical Fourier transform, discrete Fourier transform, distributions and Fourier transforms. Sampling and Shannon's Theorem. No student may earn credit for both 4123 and 5123. (F)  |
| MATH    | 5163   | Partial Differential Equations | Prerequisite: 4163 or permission of instructor. First order equations, Cauchy problem for higher order equations, second order equations with constant coefficients, linear hyperbolic equations. (Sp)  |
| MATH    | 5173   | Advanced Numerical Analysis I  | Prerequisite: 4433, 4443 or permission of instructor. Topics may include: error analysis of numerical methods for optimization and initial value problems, numerical approximation of aspects of control problems. (Alt. F)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| MATH    | 5183   | Advanced Numerical Analysis II                | Prerequisite: 4433, 4443 or permission of instructor. Topics may include: analysis of spline approximations as a basis of the finite element method, error analysis for finite element approximation of elliptic and parabolic boundary value problems. (Alt. Sp)  |
| MATH    | 5253   | Introduction to Mathematics Pedagogy Research | Prerequisite: Graduate standing in mathematics or permission of the instructor. This course is intended for students who will be consumers of mathematics education research as well as those who will be producers of this research. The course offers an overview of the mathematics pedagogy research process and a detailed survey of selected aspects of this process. Particular topics including reviewing existing mathematics teaching research literature, designing research studies, gathering research data, analyzing research data, and reporting pedagogical research. (F)   |
| MATH    | 5263   | Issues and Problems in Mathematics Pedagogy   | Prerequisite: graduate standing in mathematics or permission of instructor. May be repeated with change of content; maximum credit 12 hours. Considers current issues and perennial problems in undergraduate mathematics teaching. Potential topics include, but are not limited to, use of technology in mathematics instruction, use of group work and other instructional strategies actively engaging students in Mathematics learning, the nature of mathematics learning, research-based practices in teaching undergraduate mathematics, issues of gender and diversity in undergraduate mathematics, the nature of the undergraduate mathematics curriculum. (Sp) |
| MATH    | 5303   | Topics in Group Theory                        | Prerequisite: 4323 or permission of instructor. May be repeated with change of content; Maximum credit 15 hours. Topics may include permutation groups, invariant subgroups, prime power groups, abelian groups, generators and relations, free groups, solvable and nilpotent groups, semi-direct products and extensions, automorphism groups, reflection groups, coxeter groups, crystallographic groups, matrix groups and representation group actions. (Irreg.)  |
| MATH    | 5333   | Topics in Number Theory                       | Prerequisite: at least one mathematics course numbered above 3000, other than 4232. May be repeated with change of content; maximum credit nine hours. Topics may include congruencies, arithmetic functions, quadratic reciprocity, continued fractions, diophantine equations, primality testing, factorization methods, cryptography, quadratic forms and quadratic fields, computational number theory, additive number theory, coding theory, p-adic numbers. (Irreg.)  |
| MATH    | 5353   | Abstract Algebra I                            | Prerequisite: 4323, permission of instructor. Groups, Sylow theorems, group actions, group presentations. Rings, ideals, polynomial rings, unique factorization. Fields, algebraic and transcendental extensions. (F)  |
| MATH    | 5363   | Abstract Algebra II                           | Prerequisite: 5353. Galois theory, solvability. Modules over a principal ideal domain. Noetherian ideal theory. Group representations, semisimple rings. Classical groups. (Sp)  |
| MATH    | 5373   | Abstract Linear Algebra                       | (Slashlisted with 4373) Prerequisite: 3333. Vector spaces over arbitrary fields, bases, dimension, linear transformations and matrices, similarity and its canonical forms (rational, Jordan), spectral theorem and diagonalization of quadratic forms. No student may earn credit for both 4373 and 5373. (F, Sp)   |
| MATH    | 5383   | Applied Modern Algebra                        | (Slashlisted with 4383) Prerequisite: 3333. Topics from the theory of error correcting codes, including Shannon's theorem, finite fields, families of linear codes such as Hamming, Golay, BCH, and Reed-Solomon codes. Other topics such as Goppa codes, group codes, and cryptography as time permits. No student may earn credit for both 4383 and 5383. Duplicates one hour of 4323. (Sp)  |
| MATH    | 5403   | Calculus of Variations                        | Prerequisite: 4433 or 3423 or 4163. Linear spaces, global and local theories of optimization, necessary conditions for relative extrema of integrals. (Irreg.)   |
| MATH    | 5423   | Complex Analysis I                            | Prerequisite: 4433. The complex numbers, topologies of the extended plane and related sphere, elementary functions, power series, properties of general holomorphic functions. The integral of a complex-valued function over an oriented rectifiable curve, the classical theorems on integrals, Taylor and Laurent expansions, analytic continuation, introduction to Riemann surfaces. (Alt. F)   |

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| Subject | Number | Title                                    | Course Description  |
|---------|--------|--|---|
| MATH    | 5433   | Complex Analysis II                      | Prerequisite: 5423. Selected topics from classical and modern function theory such as geometric theory, univalent functions, Hardy spaces and Nevanlinna theory. (Alt. Sp)  |
| MATH    | 5443   | Introduction To Analysis II              | (Slashlisted with 4443) Prerequisite: 4433. Integration of functions of a single variable. Series of real numbers. Series of functions. Differentiation of functions of more than one variable. No student may earn credit for both 4443 and 5443. (Sp)   |
| MATH    | 5453   | Real Analysis I                          | Prerequisite: 4433 or permission of instructor. Lebesgue measure and integration theory, absolutely continuous functions, metric spaces. (F)  |
| MATH    | 5463   | Real Analysis II                         | Prerequisite: 5453. General measure and integration theory, Banach spaces, topics from related areas. (Sp)  |
| MATH    | 5483   | Wavelets                                 | Prerequisite: 3113 or 3413 and 3333. Fourier analysis on a finite cyclic group, the group of integers, and the real line. The matching pursuit algorithm. The Poisson summation formula and sampling. Multi-resolution analysis, various wavelet constructions (including those of Daubechies and Meyer) and filter banks. An introduction to the MATLAB wavelet toolbox. (F)   |
| MATH    | 5623   | Convexity Theory I                       | (Slashlisted with 4623) Prerequisite: 3333, 2513 or permission of instructor. An introduction to the theory of convex sets. Topics include basic definitions and properties, separating and supporting hyperplanes, and combinatorial theorems of Caratheodory, Radon and Helly. No student may earn credit for both 4623 and 5623. (F)   |
| MATH    | 5633   | Convexity Theory II                      | Prerequisite: 5623 or permission of instructor. A continuation of the study of convex sets. Topics include Helly-type theorems, the Blaschke selection theorem, alternate characterizations of convex sets, convex polytopes and Evelyer's formula. (Sp)  |
| MATH    | 5653   | Introduction To Differential Geometry I  | (Slashlisted with 4653) Prerequisite: graduate standing and MATH 2443 or MATH 2934, and MATH 3333, or permission of instructor. Elementary theory of curves and surfaces in three-dimensional Euclidean space, differentiable manifolds, Riemannian geometry of two dimensions, Gauss Theorem Egregium. No student may earn credit for both 4653 and 5653. (F)  |
| MATH    | 5663   | Introduction to Differential Geometry II | (Slashlisted with 4663) Prerequisite: 4653 or 5653. Intermediate theory of surfaces, covariant differentiation, geodesics, Gauss-Bonnet Theorem. Further topics may include: rigidity theorems, minimal surfaces, the Hopf-Rinow Theorem, the Hadamard Theorem, index of vector fields. No student may earn credit for both 4663 and 5663. (Sp)   |
| MATH    | 5673   | Graph Theory I                           | (Slashlisted with 4673) Prerequisite: 2513 or permission of instructor. An introduction to the theory of graphs. Topics include basic definitions, cutpoints, blocks, trees, connectivity and Menger's theorem. No student may earn credit for both 4673 and 5673. (F)  |
| MATH    | 5683   | Graph Theory II                          | Prerequisite: 5673 or permission of instructor. A continuation of the study of graphs. Topics include partitions, Eulerian and Hamiltonian graphs, planarity and colorability. (Sp)   |
| MATH    | 5693   | Topics in Geometry and Combinatorics I   | Prerequisite: permission of instructor. May be repeated with permission of instructor; maximum credit 12 hours. Topics may include convexity, combinatorial geometry, graph theory, or Riemannian geometry. (F, Sp, Su)   |
| MATH    | 5743   | Introduction to Mathematical Statistics  | (Slashlisted with 4743) Prerequisite: 4733. Mathematical development of basic concepts in statistics: estimation, hypothesis testing, sampling from normal and other populations; regression, goodness of fit. No student may earn credit for both 4743 and 5743. (Sp)  |
| MATH    | 5763   | Introduction to Stochastic Processes     | Prerequisite: 4733 or permission of instructor. Stochastic processes in discrete time including random walks, recurrent events, Markov chains and branching processes. Processes in continuous time including linear and nonlinear birth-death processes and diffusions. Applications taken from economics, engineering, operations research. (Irreg.)  |
| MATH    | 5773   | Applied Regression Analysis              | (Slashlisted with 4773) Prerequisite: 3333, 4733 or 4753 or any statistical probability course at an equivalent level. The general regression problem of fitting an equation involving a single dependent variable and several independent variables, estimation and tests of regression parameters, residual analysis, selecting the "best" regression equation. No student may earn credit for both 4773 and 5773. (Alt. F) |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| MATH    | 5783   | Topics in Mathematical Statistics                        | Prerequisite: 4743. May be repeated with change of content; maximum credit 15 hours. Topics may include stochastic processes, linear models, non-parametric methods, experimental design, sequential analysis, decision theory, etc. (Irreg.)   |
| MATH    | 5793   | Advanced Applied Statistics                              | (Slashlisted with 4793) Prerequisite: 4743 or 4753 or equivalent. Survey of advanced applied statistical methods other than applied regression, including exploratory data analysis, analysis of multivariate data (principal components: analysis, multiple analysis of variance, cluster analysis, etc.), and introduction to non-parametric methods. No student may earn credit for both 4793 and 5793. (Alt. F) |
| MATH    | 5803   | Topics in Mathematics                                    | Prerequisite: permission of instructor. May be repeated with change of content; maximum credit fifteen hours. Topics may include any area of mathematics; these will be substantial and fundamental subjects not offered in regular courses. (F, Sp, Su)  |
| MATH    | 5853   | Topology I   | Prerequisite: 2433 and 2513. Set theory, separation axioms, connectedness, compactness, continuity, metric spaces, nets and sequences. (F)  |
| MATH    | 5863   | Topology II  | Prerequisite: 5853. Metrization, product and quotient spaces, function spaces, dimension theory, Hilbert spaces, homotopy, simplicial complexes, continua. (Sp)   |
| MATH    | 5900   | Graduate Mathematics Readings                            | 1 to 3 hours. Prerequisite: six-hour mathematics sequence at the 5000+ level. May be repeated with change of content; maximum credit fifteen hours. Special background readings in advanced mathematical topics as preparation for later dissertation work. (F, Sp, Su)   |
| MATH    | 5910   | Seminar--Analysis  | 1 to 2 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 12 hours. (F, Sp)  |
| MATH    | 5920   | Seminar--Algebra and Theory of Numbers                   | 1 to 2 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 12 hours. (F, Sp)  |
| MATH    | 5930   | Seminar--Geometry and Topology                           | 1 to 2 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 12 hours. (F, Sp)  |
| MATH    | 5940   | Seminar--Applied Mathematics and Statistics              | 1 to 2 hours. May be repeated with change of content; maximum credit 12 hours. (F, Sp)  |
| MATH    | 5950   | Seminar--Undergraduate Mathematics Curriculum & Pedagogy | 1 to 2 hours. May be repeated with change of content; maximum credit 12 hours. This seminar will explore the current research literature on undergraduate mathematics curriculum and pedagogy. (F, Sp)  |
| MATH    | 5960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| MATH    | 5970   | Special Topics/Seminar                                   | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| MATH    | 5980   | Research for Master's Thesis                             | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp)  |
| MATH    | 5990   | Special Problems in Mathematics                          | 1 to 2 hours. An option for all candidates for the master's degree who do not present theses. (F, Sp, Su)   |
| MATH    | 5999   |  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| MATH    | 6333   | Lie Theory I   | Prerequisites: 5363 and 5863 or permission of the instructor. Basic properties of Lie algebras, nilpotent and solvable Lie algebras, semi-simple Lie algebras, root systems and classification theorems. (Irreg.)   |
| MATH    | 6343   | Lie Theory II  | Prerequisite: 6333 or permission of the instructor. Representation theory of semi-simple Lie algebras, Lie groups, connections between Lie groups and Lie algebras, structure theory and representation theory of compact Lie groups. (Irreg.)  |

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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| MATH    | 6373   | Commutative Algebra                     | Prerequisite: 4323, 4333, 5333 or permission of instructor. Commutative rings and their modelus, ideals, prime ideals, Noetherian modules and rings, localization, principal and factorial rings, discrete valuation domains, Dedekind domains, integral ring extensions, dimension theory, tensor products, flat modules, the homofunctor, injective and projective modules, regular rings, Cohen-Macauley rings. (Irreg.) |
| MATH    | 6383   | Algebraic Geometry                      | Prerequisite: 6373. Hilbert's Nullstellensatz, the correspondence between ideals and algebraic sets, Zariski topology, irreducible algebraic sets, ringed spaces, morphisms, affine varieties, algebraic varieties, regular maps, sub-varieties and products, bi-rational equivalence, local rings and tangent spaces, differentials, non-singular points. (Irreg.)   |
| MATH    | 6393   | Topics in Algebra                       | Prerequisite: 5353 or permission of instructor. May be repeated with change of content; maximum credit 15 hours. Topics of modern research interest in algebra. (Irreg.)  |
| MATH    | 6443   | Topics in Differential Equations        | Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 15 hours. Topics include, but are not limited to, dynamical systems, nonlinear boundary value problems, parameter identification theory, wave theory, nonlinear functional analysis. (F, Sp)   |
| MATH    | 6473   | Functional Analysis I                   | Prerequisite: 5463 or permission of instructor. Vector spaces with topology or norm, dual space, theorems on linear operators, spectral theory in Hilbert space, spectral decomposition of operators, convex sets and weak topologies, fixed point theorems. (Alt. F)   |
| MATH    | 6483   | Functional Analysis II                  | Prerequisite: 6473. Banach algebras and harmonic analysis, representations of symmetric rings, unitary representations of a group, rings of operators in Hilbert space, decomposition of ring operators. Introduction to the theory of distributions. (Alt. Sp)   |
| MATH    | 6493   | Topics in Analysis                      | Prerequisite: 5453 or permission of instructor. May be repeated with change of course content; maximum credit 15 hours. Topics of modern research interest in analysis. (F, Sp)   |
| MATH    | 6673   | Differential Geometry I                 | Prerequisite: 5853 or permission of instructor. Multilinear algebra, differential manifolds, exterior differential forms, affine connections, Riemannian manifolds. (F)   |
| MATH    | 6683   | Differential Geometry II                | Prerequisite: 6673. Riemannian manifolds, theory of connections, bundles with classical groups as structure groups, curvature and Betti numbers, complex manifolds. (Sp)  |
| MATH    | 6693   | Topics in Geometry and Combinatorics II | Prerequisite: permission of instructor. May be repeated with permission of instructor; maximum credit 12 hours. Topics may include convexity, combinatorial geometry, graph theory, linear topological spaces, metric geometry, differential geometry or Riemannian geometry. (F, Sp)   |
| MATH    | 6813   | Algebraic Topology I                    | Prerequisite: 5863. Introduction to homology theory of spaces, fundamental group and covering spaces, higher homotopy groups, CW-complexes and cellular homology, Whitehead and Hurewicz theorems, Eilenberg-Steenrod axioms. (F)   |
| MATH    | 6823   | Algebraic Topology II                   | Prerequisite: 6813. Topics in cohomology and homology theory, universal coefficient theorems, orientation and duality on manifolds. Further topics may include: obstruction theory, cohomology operations, fibre bundles and characteristic classes, theory of sheaves, Eilenberg-MacLane spaces and Postnikov systems, spectral sequences. (Sp)  |
| MATH    | 6833   | Topics in Topology I                    | Prerequisite: 5863. May be repeated with permission of instructor; maximum credit 15 hours. Topics may include algebraic topology, combinatorial topology, linear topological spaces, dimension theory, metrization, continua, decomposition spaces, topology of flat spaces. (F, Sp)   |
| MATH    | 6843   | Topics in Topology II                   | Prerequisite: 6833. May be repeated with permission of instructor; maximum credit 15 hours. Topics may include algebraic topology, combinatorial topology, linear topological spaces, dimension theory, metrization, continua, decomposition spaces, topology of flat spaces. (F, Sp)   |
| MATH    | 6910   | Seminar--Analysis                       | 1 to 2 hours. Prerequisite: permission of the instructor. May be repeated with change of content; maximum credit 15 hours. (F, Sp)  |
| MATH    | 6920   | Seminar--Algebra                        | 1 to 2 hours. Prerequisite: permission of the instructor. May be repeated with change of content; maximum credit 12 hours. (F, Sp)  |

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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| MATH    | 6930   | Seminar--Geometry and Topology          | 1 to 2 hours. Prerequisite: permission of the instructor. May be repeated with change of content; maximum credit 12 hours. (F, Sp)  |
| MATH    | 6960   | Directed Readings                       | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| MATH    | 6970   | Special Topics/Seminar                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| MATH    | 6980   | Research for Doctoral Dissertation      | (F, Sp, Su)   |
| MATH    | 6990   | Independent Study                       | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MBIO    | 1999   | Lower Division Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| MBIO    | 2123   | Cornerstone Research Experience         | Prerequisite: permission of instructor. Cornerstone is a hands-on course targeted toward freshmen and sophomores. The goal is to provide students with an authentic laboratory research experience (building and experimentally testing hypotheses, collection and processing of data, and oral and written presentation of research results). The skills learned in this course will be beneficial during and beyond an undergraduate career. The topic and instructor will vary by section. (F, Sp)   |
| MBIO    | 2815   | Introduction to Microbiology            | Prerequisite: one course in college chemistry. Introduction to microorganisms as biological entities. Survey of the roles of microorganisms in the ecosystem. Application of microorganisms to industrial and environmental problems. Discussion of microorganisms as causes of human disease and response of hosts to microbial invasion. This course does not count for major credit in Microbiology or Botany. Laboratory (F, Sp, Su) [II-LAB]   |
| MBIO    | 2970   | Special Topics/Seminar                  | 1 to 3 hours. Prerequisite: Permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| MBIO    | 3001   | Microbiology: the Discipline and Degree | Prerequisite: Biology 1114, Biology 1124 or Biology 1134. Introduce students to their discipline, degree and faculty. Allows students microbiology credit prior to MBIO 3813, which has a prerequisite of Chemistry 3053. By the end of the course students will have an introduction to use of the literature of microbiology and writing in scientific English, as well as familiarity with the discipline, progress towards degree completion and their faculty. (Sp)  |
| MBIO    | 3113   | Cell Biology                            | (Crosslisted with BOT and ZOO 3113) Prerequisite: Botany 1114, or Biology 1134, or Zoology 1114 and 1121, or Zoology 1124; and Chemistry 3053. Introduction to the cell as a unit of life. A chemical and physical comparison of prokaryotic and eukaryotic cells to include a discussion of cell metabolism, types of metabolic regulation and an analysis of ultrastructure. Emphasis will be placed on the dynamic changes in metabolism and ultrastructure which occur during the life of a cell. (F, Sp)   |
| MBIO    | 3283   | Introduction to Genomics                | (Crosslisted with PBIO 3283) Prerequisite: PBIO 1114, or BIOL 1114, or BIOL 1134, or one course in Organic Chemistry (CHEM 3053 or CHEM 3153 or CHEM 3064 or CHEM 3164). Provides the most updated knowledge on prokaryotic and eukaryotic genomics including the biochemical, molecular and cellular structure of the genome as well as the current molecular and bioinformatics technologies existing when analyzing complex genomes and gene function. Through lectures and presentation of scientific literature, specific examples will be presented to highlight each aspect of the course. (F) |

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| Subject | Number | Title                                   | Course Description   |
|---------|--------|---|--|
| MBIO    | 3440   | Mentored Research Experience            | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| MBIO    | 3673   | Practical Bioinformatics                | (Crosslisted with P BIO 3673) Prerequisite: MBIO 2815, or MBIO 3813, or P BIO 1114, or BIOL 1005, or BIOL 1114, or equivalent introductory biology course, and junior standing, or instructor permission. Study of the use of computers to analyze and interpret various types of biological data. Topics covered will include accessing genomics databases, aligning DNA and protein sequences, searching genomic databases for similar sequences, analyzing protein structure, and building molecular phylogenies. Classes will emphasize group work and in-class computer exercises in a highly interactive environment. (Sp) |
| MBIO    | 3812   | Fundamentals of Microbiology Laboratory | Prerequisite: credit or concurrent enrollment in 3813. Fundamental microbiological methods: aseptic technique, culture methods, microscopy, metabolic and physiological tests, bacterial isolation and identification, environmental microbiology. Laboratory (F, Sp, Su)  |
| MBIO    | 3813   | Fundamentals of Microbiology            | Prerequisite: BIOL 1005 or BIOL 1134 or P BIO 1114 or BIOL 1114, and CHEM 3013 or CHEM 3053 or CHEM 3064. Cell structure and phylogeny of bacteria, archaea, and eukaryotic microorganisms; growth, metabolism and ecological roles; symbiotic relationships; gene expression, genetic exchange, genomics. (F, Sp, Su)   |
| MBIO    | 3932   | Instrumental Methods in Biology         | (Crosslisted with P BIO 3932) Prerequisite: one of the following: Plant Biology 4115 or MBIO 2815 or MBIO 3813 or Biology 2124 or one course in biochemistry; and Physics 2414. Principles of analytical measurements; common categories of instruments; advantages and disadvantages of each method; examples are chosen from medical technology, environmental technology, biochemistry, physiology, etc. (F)  |
| MBIO    | 3960   | Honors Reading                          | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| MBIO    | 3980   | Honors Research                         | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. (F, Sp, Su)  |
| MBIO    | 3990   | Independent Study                       | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| MBIO    | 3999   | Upper Division Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| MBIO    | 4263   | Cell Biology Laboratory                 | (Crosslisted with P BIO 4263) Prerequisite: MBIO 3812 and 3813, or two courses in Plant Biology, and completion of or concurrent enrollment in MBIO/Plant Biology/Biology 3113. Gives students experience with modern techniques used in the study of cells. The techniques covered will allow exploration of cell biology at the level of tissues, single cells, subcellular components, and molecules. (F)   |



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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| MBIO    | 4313   | Biotechnology Applications              | Prerequisite: P BIO/BIOL 3113, or P BIO/BIOL 3333, or P BIO/BIOL/MBIO 4843, or P BIO/MBIO 4873, or CHEM 3653, or permission of instructor. Intended for students who possess a working knowledge of molecular biology, this course will focus on developing familiarity with methods used in biotechnology to address pressing societal challenges. Students will put into practice central methods of biotechnology, gaining practical skills for use in future careers in laboratory science, particularly methods relevant to pharmaceutical production, agricultural improvement, bio-fuel production, and medical and forensic diagnostics, among others. (Sp) |
| MBIO    | 4394   | Advanced Light Microscopy               | (Crosslisted with BIOL 4394 and P BIO 4394; slashlisted with 5394) Prerequisite: permission of instructor and junior standing. Corequisite: Lab section. Focuses on theory and techniques in light microscopy, covering principles including confocal laser scanning microscopy, multiple photon imaging, FLIM/FCS, FRET, fluorescence microscopy, phase contrast, DIC, 3D rendering, and other advanced optical technologies. Also includes a lab section where students will learn to use advanced epifluorescence and confocal microscopes. No student may earn credit for both 4394 and 5394. (F)   |
| MBIO    | 4673   | Microbiomes and Microbial Systematics   | (Slashlisted with 5673) Prerequisite: MBIO 3812 and 3813, and CHEM 3013 or 3053, or permission of instructor. Introduces students to the modern day characterization of microbiomes, from initial sequence information to the living organisms that make up these complex communities. No student may earn credit for both 4673 and 5673. (Sp)  |
| MBIO    | 4723   | Biocatalysis and Bioremediation         | (Slashlisted with 5723) Prerequisites: MBIO 3813 and one semester of Organic Chemistry (CHEM 3053) or Biochemistry (CHEM 3653), or permission of instructor. Introduces the role of microorganisms in the biocatalysis and bioremediation of relevant pollutants. Focuses on bioremediation strategies, the physiology of aerobes vs. anaerobes, biocatalysis and genetics of biodegradation pathways, and methods for monitoring in situ biodegradation. No student may earn credit for both 4723 and 5723. (Sp)   |
| MBIO    | 4733   | Microbial Genetics                      | (Slashlisted with 5733) Prerequisite: MBIO/P BIO/BIOL 4843, or permission of instructor. Microbial genetics underlies important topics such as antibiotic resistance, genetic engineering, drug development, and many biotechnological advances. Explores the interesting world of microbial genetics by discussing molecular genetic methods and related aspects of bacterial and archaeal biology. Examples will include both traditional and recently developed microbial model systems. No student may earn credit for both 4733 and 5733. (Sp)   |
| MBIO    | 4743   | Case Studies in Medical Microbiology    | Prerequisite: MBIO 3813; MBIO 4823 or concurrent enrollment; or instructor permission. Provides in-depth knowledge of infectious diseases utilizing an inquiry-based format. Case studies will be discussed in the context of patient symptoms as well as molecular- and culture-based test results. Case studies from standard textbooks and clinical microbiology journals will be utilized. Students will gain experience in identifying causative agents of numerous infections. Ideal course for pre-dental, pre-medical and pre-pharmacy students. (Irreg.)   |
| MBIO    | 4810   | Special Topics                          | (Slashlisted with 5810) 1 to 3 hours. Prerequisite: two courses in Microbiology and permission of instructor. May be repeated with change of content; maximum credit three hours per semester, nine hours total. Topics will include newly developing areas of the discipline. Taught at an upper-division level based on previous course background. No student may earn credit for both 4810 and 5810 for the same course content. (Irreg.)   |
| MBIO    | 4813   | Ecology and Pathogenic Microbiology Lab | Prerequisite: 3812 and 3813 or equivalent. Course incorporates laboratory approaches and techniques for the study, characterization and manipulation of individual microorganisms and microbial communities involved in pathogenesis and environmental processes. Contemporary molecular techniques including PCR, recombinant DNA, DNA/RNA analysis; immunobiological analysis will encompass a large part of this laboratory course. Students will also become acquainted with approaches to discover the mechanisms micro-organisms use to establish their ecological niche in both pathogenic and environmental settings. Laboratory (Sp)                       |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| MBIO    | 4823   | Pathogenic Microbiology and Infectious Disease        | Prerequisite: MBIO 3812 and MBIO 3813. Introduces the basic methods for pathogenic microbiology and infectious disease epidemiology. Topics covered include definitions and nomenclature, outbreak investigations, disease surveillance, case-studies, laboratory diagnosis, immunology, molecular epidemiology, dynamics of transmission, and vaccine effectiveness. Emerging pathogens, their effects on society and the health care services will also be addressed. (F)   |
| MBIO    | 4833   | Basic Immunology                                      | Prerequisite: one semester of organic chemistry, and an introductory biology course, plus one of the following: 3813 and 3812, Zoology 2124, 3113, 3204, 3333 or biochemistry or graduate standing and permission. Fundamentals of immunochemistry, cellular immunology, immunogenetics and clinical immunology. (Sp)   |
| MBIO    | 4843   | Molecular Biology                                     | (Crosslisted with PBIO and BIOL 4843; Slashlisted with MBIO 5843) Prerequisite: MBIO 3812 and MBIO 3813, or Plant Biology 1114, or Biology 1114, or Biology 1124, or Biology 1134, and one course in organic chemistry. Introduction to the characteristics and biological functions of nucleic acids and proteins in living cells with emphasis on nucleic acid replication, transcription, translation and regulation; also emphasis on the molecular aspects of microbial genetics transformation, transduction and conjugation; and emphasis on molecular immunology and genetic engineering/recombinant DNA technology. No student may earn credit for both 4843 and 5843. (F, Sp) |
| MBIO    | 4853   | Physiology of Microorganisms                          | Prerequisite: MBIO 3813, MBIO 3812 and a course in organic chemistry, or graduate standing. Diversity, metabolism, energetics and physiology of microorganisms. (Sp)  |
| MBIO    | 4864   | Geomicrobiology                                       | (Crosslisted with GEOL 4864; Slashlisted with 5864) Prerequisite: 3813 or permission of instructor. Life below the earth's surface. Bacterial degradation of pollutants. Petroleum microbiology. Role of microorganisms in geochemical cycling of carbon, sulfur, and metals. No student may earn credit for both 4864 and 5864. (F) [II-NL]  |
| MBIO    | 4873   | Microbial Physiology and Molecular Biology Laboratory | (Crosslisted with BOT 4873) Prerequisite: junior standing or permission of instructor. Current techniques to explore molecular aspects of gene expression and regulation. Experiments include: plasmid and phage propagation, nucleic acid purification, DNA and protein manipulation, and gene analysis. (F, Sp) [II-LAB]  |
| MBIO    | 4883   | Water Microbiology Laboratory                         | Prerequisite: MBIO 3812 and MBIO 3813. Focuses on the causes and prevention of waterborne microbial diseases and the use of microorganisms to improve water quality. Topics include: waterborne diseases, detection of waterborne pathogens, epidemiology, indicator organisms, water quality standards, treatment of drinking water and sewage, and groundwater contamination. The laboratory provides training in the standard methods used to detect microbial contamination. (F)  |
| MBIO    | 4893   | Capstone in Microbiology                              | Prerequisite: three hours of calculus; 3813, 3812 and corequisite or prerequisite 4843. Combines laboratory research experiences, primarily in the areas of microbial diversity, physiology, and genetics, with an introduction to how research in microbiology is carried out. Laboratory (F, Sp) [V]  |
| MBIO    | 4903   | Topics in Virology                                    | (Slashlisted with 5903) Prerequisite: Chemistry 3653 or MBIO 4843 or permission of instructor. Aspects related to selected RNA viruses, such as HIV/AIDS and polio virus, will be studied and discussed. Topics will include the molecular structure of RNA viruses, the mechanisms of viral assembly and replication, viral disease pathogenesis, host responses to viral infections, vaccine development, anti-viral and RNA interference (RNAi) therapeutics. No student may earn credit for both 4903 and 5903 on the same topic. (F)   |
| MBIO    | 4950   | Senior Thesis - Capstone                              | 1 to 6 hours. Prerequisite: 3813 and permission of instructor. May be repeated for credit; maximum credit six hours. A minimum total of six hours is required. This is a capstone course allowing students to carry out individual research projects under a faculty mentor. Students will present research results orally in a poster session, and by writing a senior thesis. Honors research credit may substitute for some or all of the senior thesis credit hours. (F, Sp, Su) [V]  |

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| Subject | Number | Title                                       | Course Description  |
|---------|--------|---|---|
| MBIO    | 4953   | BioWriting                                  | (Slashlisted with 5953; Crosslisted with BIOL/PBIO 4953) Prerequisite: permission of instructor. This course provides students engaged in research with the information and skills needed to effectively communicate as professional biologists. Students will learn to report the results of their own research in the format of a journal article, conference-style presentation, and poster. No student may earn credit for both 4953 and 5953. (Irreg.)   |
| MBIO    | 4960   | Directed Readings                           | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| MBIO    | 4970   | Special Topics/Seminar                      | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| MBIO    | 4990   | Independent Study                           | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| MBIO    | 5364   | Transmission Electron Microscopy            | (Crosslisted with BOT and ZOO 5364) Prerequisite: permission. Introduction to the theory of transmission electron microscopy and practical instruction in specimen preparation, ultramicrotomy, instrument operation, photography and quantitative methods. Laboratory (F)  |
| MBIO    | 5374   | Scanning Electron Microscopy                | (Crosslisted with BOT and ZOO 5374) Prerequisite: basic chemistry; basic physics; demonstrated need; permission of instructor. Principles of scanning electron microscopy combined with training in the operation of the SEM and ancillary equipment. Students will be certified in the operation of all equipment. Sample preparation on a variety of samples and darkroom procedures will be performed. Independent project with oral report and poster required. Laboratory  |
| MBIO    | 5394   | Advanced Light Microscopy                   | (Crosslisted with BIOL 5394 and PBIO 5394; slashlisted with 4394) Prerequisite: permission of instructor and graduate standing. Corequisite: Lab section. Focuses on theory and techniques in light microscopy covering principles including confocal laser scanning microscopy, multiple photon imaging, FLIM/FCS, FRET, fluorescence microscopy, phase contrast, DIC, 3D rendering, and other advanced optical technologies. Also includes a lab section where students will learn to use advanced epifluorescence and confocal microscopes. No student may earn credit for both 4394 and 5394. (F) |
| MBIO    | 5453   | Advanced Ecology and Evolutionary Biology   | (Crosslisted with BOT and ZOO 5453) Prerequisite: general ecology. Required for students in the ecology and evolutionary biology doctoral program. An introduction to current research opportunities and research programs in ecology and evolutionary biology at the University of Oklahoma. Specific topics and lecturers will vary from week to week to give students a broad overview of ongoing research projects. (F)   |
| MBIO    | 5471   | Seminar in Ecology and Evolutionary Biology | (Crosslisted with BOT and ZOO 5471) Prerequisite: graduate standing. Two semesters of enrollment are required for students in the ecology and evolutionary biology doctoral program. An intensive, student-based seminar in which students present both proposals and ongoing progress reports on doctoral level research projects in ecology and evolutionary biology. (F, Sp)   |
| MBIO    | 5620   | Investigations in Microbiology              | 1 to 6 hours. Prerequisite: 15 hours of microbiology or permission of instructor. May be repeated with change of subject matter; nine hours for a Masters student and twelve hours for a Ph.D. student. Maximum of six hours allowed with one professor, unless approved by Department Chair by petition. Fields of study: environmental microbiology, immunology, industrial microbiology, medical microbiology, medical mycology, microbial ecology, microbial genetics, microbial physiology, ultra-structural morphology, virology and molecular biology. (F, Sp, Su)                             |

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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| MBIO    | 5673   | Microbiomes and Microbial Systematics | (Slashlisted with 4673) Prerequisite: graduate standing and MBIO 3812 and 3813, and CHEM 3013 or 3053, or permission of instructor. Introduces students to the modern day characterization of microbiomes, from initial sequence information to the living organisms that make up these complex communities. No student may earn credit for both 4673 and 5673. (Sp)  |
| MBIO    | 5723   | Biocatalysis and Bioremediation       | (Slashlisted with 4723) Prerequisite: graduate standing and MBIO 3813 and one semester of Organic Chemistry (CHEM 3053) or Biochemistry (CHEM 3653), or permission of instructor. Introduces the role of microorganisms in the biocatalysis and bioremediation of relevant pollutants. Focuses on bioremediation strategies, the physiology of aerobes vs. anaerobes, biocatalysis and genetics of biodegradation pathways, and methods for monitoring in situ biodegradation. No student may earn credit for both 4723 and 5723. (Sp)  |
| MBIO    | 5733   | Microbial Genetics                    | (Slashlisted with 4733) Prerequisite: graduate standing and MBIO/PBIO/BIOL 4843 or 5843, or permission of instructor. Microbial genetics underlies important topics such as antibiotic resistance, genetic engineering, drug development, and many biotechnological advances. Explores the interesting world of microbial genetics by discussing molecular genetic methods and related aspects of bacterial and archaeal biology. Examples will include both traditional and recently developed microbial model systems. No student may earn credit for both 4733 and 5733. (Sp)                  |
| MBIO    | 5810   | Special Topics                        | (Slashlisted with 4810) 1 to 3 hours. Prerequisite: two courses in microbiology, graduate standing and permission. 1 to 3 hours. May be repeated with change of content; maximum credit three hours per semester, nine hours total. Topics will include newly developing areas of the discipline. Taught at an upper-division level based on previous course background. No student may earn credit for both 4810 and 5810 for the same content. (Irreg.)   |
| MBIO    | 5833   | Industrial and Applied Microbiology   | Prerequisite: 4843 and 4853 and one semester of calculus. The application of fundamental principles of microbiology to industrial fermentations and processing, food manufacture and preservation and environmental quality and sanitation. (F odd-numbered years)  |
| MBIO    | 5843   | Molecular Biology                     | (Crosslisted with PBIO and Biology 5843; Slashlisted with MBIO 4843) Prerequisite: graduate standing or permission of instructor. Introduction to the characteristics and biological functions of nucleic acids and proteins in living cells with emphasis on nucleic acid replication, transcription, translation and regulation; also emphasis on the molecular aspects of microbial genetics transformation, transduction and conjugation; and emphasis on molecular immunology and genetic engineering/recombinant DNA technology. No student may earn credit for both 4843 and 5843. (F, Sp) |
| MBIO    | 5864   | Geomicrobiology                       | (Crosslisted with GEOL 5864; Slashlisted with 4864) Prerequisite: 3813 or permission of instructor. Life below the earth's surface. Bacterial degradation of pollutants. Petroleum microbiology. Role of microorganisms in geochemical cycling of carbon, sulfur, and metals. No student may earn credit for both 4864 and 5864. (F)  |
| MBIO    | 5883   | Advanced Molecular Biology            | (Crosslisted with PBIO 5883) Prerequisite: graduate standing and MBIO/Plant Biology/Biology 4843 or 5843; or Chemistry 3653; or permission of instructor. The study of molecular biology in real-life research laboratories, focusing on the thought and practice behind molecular biology. Scientific literature will be used as a source of information to highlight the practical concerns for students working in molecular biology laboratories. (Sp)  |
| MBIO    | 5903   | Topics in Virology                    | (Slashlisted with 4903) Prerequisite: graduate standing and CHEM 3653 or MBIO 4843 or permission of instructor. Aspects related to selected RNA viruses, such HIV/AIDS and polio virus, will be studied and discussed. Topics will include the molecular structure of RNA viruses, the mechanisms of viral assembly and replication, viral disease pathogenesis, host responses to viral infections, vaccine development, anti-viral and RNA interference (RNAi) therapeutics. No student may earn credit for both 4903 and 5903 on the same topic. (F)   |

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| Subject | Number | Title                           | Course Description  |
|---------|--------|---------------------------------|---|
| MBIO    | 5953   | BioWriting                      | (Slashlisted with 4953; Crosslisted with BIOL/PBIO 5953) Prerequisite: permission of instructor. This course provides students engaged in research with the information and skills needed to effectively communicate as professional biologists. Students will learn to report the results of their own research in the format of a journal article, conference-style presentation, and poster. Graduate students have additional assignments beyond those completed by undergraduates. No student may earn credit for both 4953 and 5953. (Irreg.)   |
| MBIO    | 5960   | Directed Readings               | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| MBIO    | 5970   | Special Topics/Seminar          | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| MBIO    | 5971   | Seminar in Microbiology         | Prerequisite: graduate standing, permission of instructor. Required of all graduate students in microbiology. May be repeated; maximum credit two hours for the master's degree, three hours for the doctor's degree. Topics are selected from various areas of microbiology, and each student is called upon for discussion or formal presentations. No laboratory. (F, Sp)  |
| MBIO    | 5980   | Research for Master's Thesis    | Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. (F, Sp, Su)   |
| MBIO    | 5990   | Special Studies in Microbiology | 1 to 3 hours. Prerequisite: 15 hours of microbiology, permission of instructor. May be repeated; Maximum credit of six hours with one professor, unless approved by Department Chair by petition. The student selects an area in which the student desires to read intensively, selects a staff member who is an authority in that field, and together they plan a program for investigation of the literature. (F, Sp, Su)   |
| MBIO    | 5999   | Graduate Level Transfer Credit  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| MBIO    | 6003   | Ecological Modeling             | (Crosslisted with BOT and ZOO 6003) Prerequisite: one computer course, one course in ecology, or permission of instructor. Trains students to use modeling tools in their research and to gain greater ability to understand, appreciate, and criticize modeling work. Students will learn general procedure and principles with case studies of successful models in ecology and participate in course projects to gain hands-on experience in model development. (Irreg.)   |
| MBIO    | 6813   | Advanced Bacterial Metabolism   | Prerequisite: 3813 and 3812, plus six hours of microbiology, biochemistry, organic chemistry or permission. Recent advances in bacterial metabolism will be covered with emphasis on unusual bacterial pathways and on the biotransformations of environmentally significant materials. (Sp odd-numbered years)   |
| MBIO    | 6873   | Microbial Ecology               | Prerequisite: 3813 and 3812 plus two courses in microbiology, or 3813 and 3812 plus one microbiology course and one ecology course; biochemistry; calculus; or permission. Advanced treatment of the development and interactions of microbial communities with their living and abiotic environment. Emphasis placed on experimental approaches and on the quantitative concepts of the subject matter. Topics include a kinetic evaluation of microbial activities, global carbon cycling, biodegradation of environmentally significant materials and techniques used in the study of microbial ecology. (F even-numbered years) |
| MBIO    | 6960   | Directed Readings               | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| MBIO    | 6970   | Special Topics/Seminar          | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| MBIO    | 6980   | Research for Doctoral Dissertation                | 2 to 16 Hours. (F, Sp, Su)   |
| MBIO    | 6990   | Independent Study                                 | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| METR    | 1014   | Introduction to Weather and Climate               | For non-science majors. A descriptive study of both short-term and long-term atmospheric phenomena, evenly divided between: (1) the structure and processes in the atmosphere that affect our every-day weather; and (2) climate and causes of climate change. This course does not count for major credit in the School of Meteorology. Laboratory (F, Sp) [II-LAB]   |
| METR    | 1034   | Native Science and Earth Systems of North America | (Crosslisted with GEOL 1034) Examines Earth systems of North America using both indigenous and Western perspectives, and an Earth science approach. This team-taught course will utilize a combination of geology, geography, meteorology, and Native American sciences, as expressed through the use of art. (Sp) [II-LAB]  |
| METR    | 1111   | Orientation to Professional Meteorology           | Prerequisite: Mathematics 1503 or higher. Required of all Meteorology majors during their first year of residence. Introduction to the School of Meteorology and its curriculum, faculty and staff. Presentations from different professional meteorologists introduce career options, challenges and opportunities in meteorology. (F)  |
| METR    | 1313   | Introduction to Programming for Meteorology       | Prerequisite: Math 1523 or equivalent, or concurrent enrollment. Introduction to the design and implementation of computer programs using the Python programming language. Emphasis on working with simple data sets. (F, Sp, Su)  |
| METR    | 1999   | Lower Division Transfer Credit                    | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| METR    | 2011   | Introduction to Meteorology I Laboratory          | Prerequisite: Grade of C or better in Math 1823 or 1914; corequisite: METR 2013, Math 2423 or 2924 and Physics 2514 or 1205. Reinforces the theoretical concepts provided in the counterpart lecture course Meteorology 2013, which introduces students to important phenomena and physical processes that occur in the earth's atmosphere. Through a series of laboratory exercises, students will learn the basic concepts and tools that are used to study atmospheric problems. Special emphasis will be placed on developing information technology and computational skills. The laboratory exercises target the topics covered in the lecture component. (F, Sp) [II-LAB]                                       |
| METR    | 2013   | Introduction to Meteorology I                     | Prerequisite: Grade of C or better in Math 1823 or 1914; corequisite: METR 2011, Math 2423 or 2924, Physics 2514 or 1205. Introduces students to important phenomena and physical processes that occur in earth's atmosphere, as well as to the basic concepts and instruments used to study atmospheric problems. Focuses on atmospheric radiation, thermodynamics, moisture, stability, clouds, and precipitation. (F, Sp) [II-NL]   |
| METR    | 2021   | Introduction to Meteorology II Laboratory         | Prerequisite: Grade of C or better in METR 2011 or 2014, 2013, MATH 2423 or 2924, and PHYS 2514 or 1205; corequisite: METR 2023, MATH 2433 or 2934, and PHYS 2524 or 1215. Reinforces the theoretical concepts provided in the counterpart lecture course Meteorology 2023, which introduces students to important phenomena and physical processes that occur in the earth's atmosphere. Through a series of laboratory exercises, students will learn the basic concepts and tools that are used to study atmospheric problems. Special emphasis will be placed on developing information technology and computational skills. The laboratory exercises target the topics covered in the lecture component. (Sp, Su) |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| METR    | 2023   | Introduction to Meteorology II                                   | Prerequisite: Grade of C or better in METR 2013, 2011 or 2014, MATH 2423 or 2924, and PHYS 2514 or 1205; corequisite: METR 2021, MATH 2433 or 2934, and PHYS 2524 or 1215. Introduces students to important phenomena and physical processes that occur in earth's atmosphere. Students will learn the basic concepts and instruments used to study atmospheric problems. Part II of the introduction to meteorology sequence focuses on atmospheric dynamics, wind systems of different origin and scale, and thunderstorms. It also addresses boundary layer meteorology, air pollution, forecasting and climate change. (Sp, Su) |
| METR    | 2603   | Severe and Unusual Weather                                       | Provide non-majors and majors a detailed descriptive account of the physical processes important in the formation of various severe and unusual weather phenomena including: thunderstorms, tornadoes, hail storms, lightning, hurricanes, midlatitude snowstorms, lake effect snows, atmospheric optical effects, and global climate change. This course does not count for major credit in the School of Meteorology. (Irreg.) [II-NL]  |
| METR    | 2970   | Special Topics/Seminar   | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |
| METR    | 3011   | Practicum on Broadcast Software                                  | Prerequisite: sophomore standing. May be repeated; maximum credit three hours. In this course students will learn how to use and manage the VIPIR and OMNI systems made by Baron Services. This will be accomplished via forecasting exercises and other various assignments. (F, Sp)   |
| METR    | 3113   | Atmospheric Dynamics I: Intro to Atmospheric Kinematics/Dynamics | Prerequisite: Grade of C or better in METR 2023 and 2021, MATH 2433, 2443 or 2934, PHYS 1215 or 2524, and METR 1313 or CS 1313 or CS 1323. Characterization of the atmosphere mathematically, the study of forces acting upon it, and approximations used. Topics include Newton's laws of motion; energy, equilibrium and stability; coordinate systems and forces; the equations of motion and simple force balances; and mass and energy conservation. (F)   |
| METR    | 3123   | Atmospheric Dynamics II: Theory of Atmospheric Flows             | Prerequisite: Grade of C or better in 3113, 3213, and MATH 3113 or 3413. Continuation of the study of atmospheric dynamics and kinematics begun in Dynamics I. Topics include: natural coordinates, geostrophic wind, inertial flow, cyclostrophic flow, gradient wind, thermal wind, kinematics and dynamics of circulation and vorticity, viscosity, and stress; turbulence, structure, and dynamics of the atmospheric boundary line. (Sp)   |
| METR    | 3213   | Physical Meteorology I: Thermodynamics                           | Prerequisite: grade of C or better in METR 2023 and 2021, MATH 2433, 2443 or 2934, PHYS 1215 or 2524, and METR 1313 or CS 1313 or CS 1323. This course introduces the physical processes associated with atmospheric composition, basic radiation and energy concepts, the equation of state, the zeroth, first and second law of thermodynamics for dry and moist atmospheres, thermodynamic diagrams, statics, and atmospheric stability. (F)   |
| METR    | 3223   | Physical Meteorology II: Cloud Physics, Atmos Electricity/Optics | Prerequisite: Grade of C or better in 3113, 3213, Mathematics 3113 or 3413. Cloud and precipitation processes including the role of aerosols in cloud droplet and ice nucleation, growth of cloud particles into rain, snow, and hail by diffusion, coalescence, and cloud aggregation; the Clausius-Clapeyron equation; application of cloud physics in cloud electrification and optical phenomena in the atmosphere; concepts of weather radar. (Sp)   |
| METR    | 3440   | Mentored Research Experience                                     | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| METR    | 3523   | Managing for a Changing Climate                                | (Crosslisted with GEOG 3523) Prerequisite: Junior or Senior standing. Provides an integrative understanding of the components of the climate system including the range of natural climate variability and external drivers of climate change, in addition to impacts of a changing climate on multiple sectors such as the economy, policy, ecosystems, and indigenous populations. (F)   |
| METR    | 3613   | Meteorological Measurement Systems                             | Prerequisite: Grade of C or better in METR 2023 and 2021, MATH 2433, 2443 or 2934, PHYS 1215 or 2524, and METR 1313 or CS 1313 or CS 1323. Introduces the physical principles of meteorological instruments, discusses static and dynamic sensor performance, and explores the concepts of meteorological instruments, and to identify sensor limitations and major error sources. Furthermore, basic procedures of data analysis will be discussed. Laboratory (F)  |
| METR    | 3890   | Meteorology Internship   | Meteorology Internship. Prerequisite: 1111 Or Permission Of Instructor. This Course Provides A Mechanism For Students To Receive Credit For Their Internship Experiences With The National Weather Service, Tv Stations, The Private Sector Or Any Other Kind Of Agency Or Institution Which Provides Internship Opportunities For Meteorology Majors. (F, Sp, Su)   |
| METR    | 3960   | Honors Reading   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers materials not usually presented in the regular courses. (F, Sp, Su)  |
| METR    | 3970   | Honors Seminar   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Projects covered vary. Deals with concepts not usually presented in regular coursework. (Irreg.)   |
| METR    | 3980   | Honors Research  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| METR    | 3990   | Independent Study  | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| METR    | 3999   | Upper Division Transfer Credit                                 | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| METR    | 4133   | Atmospheric Dynamics III: Mid-Latitude Synoptic-Scale Dynamics | Prerequisite: Grade of C or better in 3123 and 3223. Concepts from kinematics, dynamics and thermodynamics used to characterize synoptic-scale atmosphere, emphasis on quasi-geostrophic and baroclinic instability theory as basis for understanding extra-tropical weather systems including cyclones, fronts and jets. Linear theory is used to describe a variety of atmospheric waves and their role in synoptic-scale meteorology. (F)   |
| METR    | 4233   | Physical Meteorology III: Radiation and Climate                | Prerequisite: Grade of C or better in 3123 and 3223. Fundamental principles of radiation; absorption and emission of radiation; solar and terrestrial radiation; radiative transfer and heating rates; surface and global energy balances; atmospheric general circulation; natural climate variations; greenhouse climate change; stratospheric ozone depletion. (F)  |
| METR    | 4313   | Statistical Meteorology  | Prerequisite: grade of C or better in Mathematics 2423 of 2924, Computer Science 1313 or 1323, or permission of instructor. Offers specialized topics in statistical meteorology such as the role of probability and statistics in decision making, interplay between experimental design and the physics of an underlying problem, sampling techniques, graphical presentation of data and model building. Emphasis will be placed on computational aspects for meteorological data. No student may earn credit for both 4313 and 5313. (F) |
| METR    | 4323   | Weather Simulation With Computers                              | Prerequisite: METR 1313. The basics principles of computer programming for simulating and predicting fluid motion with computers. Applications range from idealized baroclinic instability to idealized tornado vortices. The FORTRAN and Python programming languages will be used. Prior programming experience is required, but not necessarily with these languages. (Irreg.)  |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| METR    | 4330   | Information Technology Skills for Meteorology                            | (Slashlisted with 5330) Prerequisite: grade of C or better in CS 1313 or permission of instructor. May be repeated; maximum credit three hours. The use of computers and networks to process the information of meteorology. Workstation skills, computer operating systems, programming languages, the internet, computer graphics, analysis and display of meteorological data. No student may credit for both 4330 and 5330. (Irreg.)  |
| METR    | 4343   | Introduction to Earth System Dynamics                                    | (Slashlisted with 5343, Crosslisted with GIS 4343) Prerequisite: Junior standing in a science or engineering major or by permission of instructor. Making use of simple numerical models this course introduces the use of concepts from systems dynamics to better describe and understand the Earth System. Systems dynamics topics will include Lovelock's daisy world, simple radiation budget climate models, the global carbon cycle, flocking of birds and other animals, and the synchronization of the emergence of seven-year locusts, all from a holistic systems perspective. The STELLA systems modeling software will be used throughout the course and students will develop a model of a natural system. No student may earn credit for both 4343 and 5343. (F) |
| METR    | 4403   | Application of Meteorological Theory to Severe-Thunderstorm Forecasting  | (Slashlisted with 5403) Prerequisite: majors only; METR 4424 with a grade of B or better or permission of instructor. This course provides an opportunity to bridge the academia and operational forecasting realms and provide an opportunity for students to learn from experienced meteorologist-forecasters who have performed research on a variety of topics. No student may earn credit for both 4403 and 5403. (Sp)   |
| METR    | 4424   | Synoptic Meteorology Laboratory  | Prerequisite: Grade of C or better in 3123 and 3223. This course is a lecture/laboratory course designed to provide students a physical understanding of atmospheric principles. Students are challenged to explain theoretical concepts and to demonstrate a mastery in understanding various physical processes including the theory and practice of weather analysis and forecasting, surface and upper air analysis, fronts and wave cyclones, satellite meteorology, sounding analysis, thermodynamic diagram, cross sections, forecasting, NMC models, MOS, radar meteorology, and severe weather. Communications skills are emphasized. (F)  |
| METR    | 4433   | Mesoscale Meteorology  | Prerequisite: Grade of C or better in 4133, 4424. Structure and dynamics of convective and mesoscale phenomena including: mesoscale convective systems, severe thunderstorms, tornadoes, low-level jets, mountain waves and hurricanes. Discussion of the general behavior, characteristics, and dynamics of the formation and development of these phenomena, and the types of weather and hazards they produce. (Sp)  |
| METR    | 4443   | Introduction to Tropical Meteorology                                     | (Slashlisted with 5443) Prerequisite: senior standing in Meteorology or permission of instructor. Introduces students to the weather and climate of the tropics. Material presented will include an overview of tropical weather, basic physics of air-sea interaction and the attendant effects on tropical weather. No student may earn credit for both 4443 and 5443. (Irreg.)   |
| METR    | 4491   | Weather Briefing   | (Slashlisted with 5491) Prerequisite: Grade of C or better in 3113, 3213. Students prepare and present daily weather briefing. The briefing should demonstrate ability to synthesize current weather information on all scales, prepare a forecast and communicate this clearly and succinctly to an audience. Can be repeated for credit up to four hours. No student may earn credit for both 4491 and 5491. (F, Sp)  |
| METR    | 4533   | Earth's Past Climate (Crosslisted with GEOL 4533; Slashlisted with 5533) | (Crosslisted with GEOL 4533; Slashlisted with 5533) Prerequisite: senior or graduate standing, or permission of instructor. Explores earth's climate system, controls on climate change, and evolution of climate history through geologic time as deciphered from climate proxies. No student may earn credit for both 4533 and 5533. (F)  |

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| Subject | Number | Title                                  | Course Description  |
|---------|--------|--|---|
| METR    | 4543   | Global Climate Change                  | (Slashlisted with 5543) Prerequisite: One of the following: METR 1014, METR 2013, METR 2603, METR 2903, CEES 1112, GEOG 1114, GEOG 1203, GEOG 3023, GEOL 1034, GEOL 1104, GEOL 1114, GEOL 2014, or permission of instructor. Have you ever asked yourself one of the following questions? What factors determine the earth's climate? How do human activities contribute to climate change and how do they compare to natural influences? How are temperatures and precipitation on earth changing? Has there been a change in extreme events like heat waves, droughts, floods and hurricanes? Is the current climate change unusual compared to earlier changes in the earth's history? No student may earn credit for both 4543 and 5543. (Sp) |
| METR    | 4553   | Climate and Renewable Energy           | (Slashlisted with 5553) Prerequisite: junior standing. Examines the science and technical aspects of solar, wind, hydro, and biomass power systems. Targets students interested in environmental science. Emphasis is on the key role of climate in determining where each of these systems is most likely to provide feasible alternatives to energy generated by fossil fuels. No student may earn credit for both 4553 and 5553. (Sp)  |
| METR    | 4603   | Micrometeorological Measurements       | (Slashlisted with 5603) Prerequisites: grade of C or better in 3613, 3213, 3113, and Math 3113 or 3413. Introduction into micrometeorological research topics with strong emphasis on instrumentation. Provides hands-on experience in micrometeorological instrumentation, data acquisition and analysis. The structure of the atmospheric boundary layer and the influence of vegetation and buildings on small-scale meteorological conditions are studied. Theoretical concepts are verified against observations from a micrometeorological tower. No student may earn credit for both 4603 and 5603. (Irreg.)   |
| METR    | 4624   | Radar Meteorology                      | Prerequisite: Grade of C or better in 3223, 3613, Mathematics 3413 or 3113. Develops quantitative relationships between physical characteristics of targets illuminated by a pulse of electromagnetic energy and the quantities measured by weather radar. Capabilities and limitations of radar designs are studied relative to meteorological applications. Doppler principles, including interpretation of data, are provided. Polarimetric and phased array radar are introduced. Experience is gained in hands-on exercises with weather radars and computer based labs. (Sp)  |
| METR    | 4633   | Hydrometeorology                       | (Slashlisted with 5633) Prerequisite: Grade of C or better in METR 3123, METR 3223 or permission of instructor. Interdisciplinary emphasis on mesoscale precipitation processes, applications of new hydrometeorological observing systems, and on the interactions between meteorology and hydrology during flood events. No student may earn credit for both 4633 and 5633. (Irreg.)  |
| METR    | 4653   | Air Pollution Meteorology and Modeling | (Slashlisted with 5653) Prerequisite: grade of C or better in 3113, 3213. Presents an overview of atmospheric dispersion problems and relevant weather systems with an emphasis on processes in the atmospheric boundary layer. Basic concepts and theories of turbulent transport and mixing are introduced and different dispersion theories and modeling approaches are discussed. No student may earn credit for both 4653 and 5653. (Irreg.)   |
| METR    | 4663   | Radar Engineering                      | (Crosslisted with ECE 4663; Slashlisted with 5663) Prerequisite: grade of C or better in Electrical and Computer Engineering 3613, or permission. Introduction to radar system designs and applications with emphasis on weather radar. Radar system architecture and their functionalities and limitations of subsystems are discussed. Theories of radar detection and estimation in a noisy and cluttered environment; existing technologies and advanced techniques to improve radar performance. No student may earn credit in both 4663 and 5663. (F)   |

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| Subject | Number | Title                               | Course Description  |
|---------|--------|-------------------------------------|---|
| METR    | 4713   | Private Sector Meteorology          | Prerequisite: senior standing in Meteorology. An overview of private sector meteorology in the United States. Designed to build background knowledge, foster the use of higher-order analytical skills, and further develop communication and presentation skills. The course includes lectures, directed readings, visiting local private sector companies, interviews with practicing meteorologists, and the development of a portfolio about a private sector meteorological company. Students gain experience in applying their meteorological knowledge to a practical problem as might be encountered in professional practice. No student may earn credit for both 4713 and 5713. (Irreg.)  |
| METR    | 4743   | Applications of Weather Forecasting | Prerequisite: METR 2013 or instructor permission. The course will focus on introducing students to various types of weather forecasts, and how those weather forecasts are created. (F, Sp)   |
| METR    | 4803   | Selected Topics in Meteorology      | Prerequisite: permission of instructor. May be repeated with change of subject matter; maximum credit 12 hours. Topics may include aspects of atmospheric dynamics and severe-storm forecasting, experimental design, economic meteorology, weather modification, climate, radiation, aviation weather, etc. (Irreg.)   |
| METR    | 4911   | Senior Seminar (Capstone)           | Prerequisite: Grade of C or better in 3123, 3223. With 4922, satisfies Capstone course requirement. The instructor will guide senior meteorology majors through planning of a research project. Interdisciplinary topics are encouraged and library work will be required. Students will be paired with regular or adjunct faculty mentors. Senior doctoral students may serve as mentors with permission from the instructor. The result of 4911 will be a mini-proposal which will serve as a guide for the senior research project. In addition, the instructor may present professional skills useful during job search, early employment, and graduate school application and attendance. Note that METR 4922 should be taken following this course. (F, Sp) [V] |
| METR    | 4913   | Senior Seminar                      | Prerequisite: grade of C or better in 3113 and 3223. Satisfies the capstone course requirement. The instructor will guide senior meteorology majors on a research project. Interdisciplinary topics will be encouraged and library work is required. Students will complete written and oral presentations of a senior thesis. (F, Sp) [V]  |
| METR    | 4922   | Senior Seminar II (Capstone)        | Prerequisite: Grade of C or better in 3123, 3223, 4911. with 4911, satisfies the Capstone course requirement. The instructor will guide students as they follow the research plan established in the mini-proposal completed in METR 4911. Library work will continue to be required with development of research methodology and analysis of results. Students will continue to work with faculty (senior doctoral student) mentors. The culmination of the two-course Capstone sequence will be a written and oral presentation of the senior thesis. The skills learned in Capstone I and II will be useful whether the student is employed in academia, government, or the private sector. (F, Sp) [V]  |
| METR    | 4960   | Directed Readings                   | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| METR    | 4970   | Special Topics/Seminar              | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| METR    | 4990   | Special Problems in Meteorology     | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of subject matter. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| METR    | 5004   | Fundamentals of Atmospheric Science           | Prerequisite: graduate standing in a meteorology, physical science, or engineering program, MATH 3113 or MATH 3413 or permission of instructor. Provides a rigorous survey of the fundamental concepts in the atmospheric sciences relevant to weather, climate and atmospheric chemistry. The course is designed to provide sufficient background knowledge so that the students will be prepared to successfully undertake more specialized graduate coursework in meteorology. Graduate students in fields closely related to meteorology, such as radar engineering and hydrology, will also benefit from knowledge of these concepts. (F) |
| METR    | 5103   | Boundary Layer Meteorology                    | Prerequisite: 3113, Mathematics 3113. Transfer processes near the earth's surface, turbulence, the planetary boundary layer, air mass modification, fog formation, pollutant transport.  |
| METR    | 5113   | Advanced Atmospheric Dynamics I               | Prerequisite: Mathematics 4163 or permission of instructor. Basic fluid dynamics, equations of motion, vorticity dynamics, scale analysis, shallow water equations, linear wave dynamics, gravity waves, Rossby waves, quasi-geostrophic motions. (F)  |
| METR    | 5123   | Advanced Atmospheric Dynamics II              | Prerequisite: 5113 or permission of instructor. Shallow water theory in a rotating reference frame, waves and instabilities, thermal convection and chaos, internal waves, anelastic approximation, baroclinic instability, symmetric instability and frontogenesis, general circulation of the atmosphere.  |
| METR    | 5223   | Atmospheric Radiation                         | Prerequisite: 3213, Mathematics 3113, or permission of instructor. Theory of radiative transfer, spectra of gaseous molecules, use of band models for radiative calculations, interaction of solar radiation with atmospheres, infrared radiative transfer in atmospheres, radiative cooling and heating, scattering, climate and radiation, remote sensing. (Sp)  |
| METR    | 5233   | Cloud and Precipitation Physics               | Prerequisite: 3223, Mathematics 3113. Development of thermodynamical relationships and generalized Clausius-Clapeyron equation, phase diagrams, atmospheric aerosols, review of hydrodynamics of flow past particles, collision and coalescence efficiency, theory of nucleation, precipitation growth, observations with radar, electrical state of the atmosphere. (F)   |
| METR    | 5243   | Atmospheric Electrodynamics                   | Prerequisite: permission of instructor. Global electrical circuit, fair-weather electricity, storm electrification, charging mechanisms, electrical discharges, lightning, thunder, instrumentation and observing systems, meteorological applications.  |
| METR    | 5303   | Objective Analysis                            | Prerequisite: METR 4133, MATH 3113 or MATH 3413, or equivalent. Introduction to techniques used in objective analysis of meteorological data; polynomial fitting; method of successive corrections; weighting functions; statistical methods; optimum interpolation; filter design; four-dimensional data assimilation. (F)  |
| METR    | 5313   | Statistical Meteorology                       | Prerequisite: graduate standing or permission of instructor. Offers specialized topics in statistical meteorology such as the role of probability and statistics in decision making, interplay between experimental design and the physics of an underlying problem, sampling techniques, graphical presentation of data and model building. Emphasis will be placed on computational aspects for meteorological data. No student may earn credit for both 4313 and 5313. (F)  |
| METR    | 5323   | Time Series Analysis I                        | Prerequisite: Mathematics 4733 or 4753, computer programming. Data collected from geophysical phenomena are considered as stochastic processes. The resulting time series are decomposed into autocovariance spectra using Fourier, autocovariance and autoregressive methods. The spectra are interpreted from the viewpoint of estimation theory. Applications and practical aspects of these methods are examined. (Irreg.)   |
| METR    | 5330   | Information Technology Skills for Meteorology | (Slashlisted with 4330) Prerequisite: Grade of C or better in Computer Science 1313 or permission of instructor. May be repeated; maximum credit three hours. The use of computers and networks to process the information of meteorology. Workstation skills, computer operating systems, programming languages, the Internet, computer graphics, analysis and display of meteorological data. No student may earn credit for both 4330 and 5330. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| METR    | 5343   | Introduction to Earth System Dynamics                                    | (Slashlisted with 4343, Crosslisted with GIS 5343) Prerequisite: MATH 3113 and PHYS 2524 with a grade of C or better, or permission of instructor. Making use of simple numerical models this course introduces the use of concepts from systems dynamics to better describe and understand the Earth System. Systems dynamics topics will include Lovelock's daisy world, simple radiation budget climate models, the global carbon cycle, flocking of birds and other animals, and the synchronization of the emergence of seven-year locusts, all from a holistic systems perspective. The STELLA systems modeling software will be used throughout the course and students will develop a model of a natural system. No student may earn credit for both 4343 and 5343. (F)   |
| METR    | 5344   | Computational Fluid Dynamics I   | Prerequisite: 3113 or Engineering 3223; Engineering 3723; Mathematics 3123; permission of instructor. Application of finite difference, spectral, and semi-Lagrangian methods to multidimensional Newtonian fluid flow problems, including well-posedness, consistency, stability, convergence, accuracy, boundary conditions, conservation, grid systems, and filtering. In addition, code development practices and the use of high-performance vector and parallel supercomputers will be addressed.   |
| METR    | 5353   | Parameterization Schemes for Numerical Weather Prediction                | Prerequisite: graduate standing or permission of instructor. This course provides a thorough overview of the sub-grid scale physical process parameterization schemes used in numerical models and how these schemes influence numerical forecasts of the weather. Various well-known parameterization schemes for mesoscale and cloud-scale models are reviewed and studied. (Irreg.)  |
| METR    | 5373   | Resampling/Permutation Statistics  | Prerequisite: 4303 or Mathematics 4753 and Computer Science 1313 or 1323, or permission of instructor. This course is designed to illustrate how to extract additional information from a data set. With the advent of high-speed, inexpensive computers, tools are now readily available to researchers for just this purpose. These tools will be introduced, described and put to use by the students during this course. Topics include an introduction to the s-plus statistical package, random samples and probability, standard errors and estimated standard errors, bootstrap estimate of standard error, the parametric bootstrap, bootstrap failure, resampling applied regression models, the jackknife, confidence intervals, permutation tests, hypothesis testing, cross-validation, adaptive estimation and assessing errors. (Irreg.) |
| METR    | 5403   | Applications of Meteorological Theory to Severe-Thunderstorm Forecasting | (Slashlisted with 4403) Prerequisite: graduate standing and department permission. This course provides an opportunity to bridge the academia and operational forecasting realms and provide an opportunity for students to learn from experienced meteorologist-forecasters who have performed research on a variety of topics. No student may earn credit for both 4403 and 5403. (Sp)  |
| METR    | 5413   | Advanced Synoptic Meteorology  | Prerequisite: 4133, 4424, 5113 or permission of instructor. Theory and application of quasi-geostrophic dynamics, Q-vectors and isentropic potential vorticity, diagnostic studies of mid-latitude synoptic-scale systems, mesoscale structure of precipitation, structure and dynamics of fronts and jets. (Sp)  |
| METR    | 5433   | Advanced Statistical Meteorology   | Prerequisite: senior standing or graduate standing and permission of instructor. Data analysis is a routine part of many types of research in the atmospheric sciences. As such, having the right set of tools and prowess on how to use those tools is an important part to understanding the statistical and dynamical behavior of the climate system. (F, Sp)  |
| METR    | 5443   | Introduction to Tropical Meteorology                                     | Prerequisite: graduate standing or permission of instructor. Introduces students to the weather and climate of the tropics. Material presented will include an overview of tropical weather, basic physics of air-sea interaction and the attendant effects on tropical weather. No student may earn credit for both 4443 and 5443. (Irreg.)  |
| METR    | 5453   | Advanced Tropical Meteorology  | Prerequisite: 5443 or permission of instructor. Designed to provide comprehensive observational, dynamical and modeling material on the global tropical atmosphere, but with special emphasis on the Atlantic and east Pacific hurricane basin. (F)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| METR    | 5491   | Weather Briefing   | (Slashlisted with 4491) Prerequisite: graduate standing, permission of instructor. Can be repeated for credit; maximum credit four hours. Students prepare and present daily weather briefing. The briefing should demonstrate ability to synthesize current weather information on all scales, prepare a forecast and communicate this clearly and succinctly to an audience. No student may earn credit for both 4491 and 5491. (F, Sp)  |
| METR    | 5503   | Climate Dynamics   | Prerequisite: 5113. Survey of past climates; climate variability; heat and water budgets of the atmosphere, oceans and land surfaces; the general circulation; climate modeling.   |
| METR    | 5523   | Advanced Mathematical Methods in Science and Engineering                 | (Crosslisted with CH E 5523) Prerequisite: Mathematics 2443 and Chemical Engineering 3113. Scale and vector field theory. Ordinary and partial differential equations. Matrix algebra. Complex analysis. (F)   |
| METR    | 5533   | Earth's Past Climate (Crosslisted with GEOL 5533; Slashlisted with 4533) | (Crosslisted with GEOL 5533; Slashlisted with 4533). Prerequisite: senior or graduate standing, or permission of instructor. Explores earth's climate system, controls on climate change, and evolution of climate history through geologic time as deciphered from climate proxies. No student may earn credit for both 4533 and 5533. (F)  |
| METR    | 5543   | Global Climate Change  | (Slashlisted with 4543) Prerequisite: permission of instructor. The Intergovernmental Panel on Climate Change (IPCC) assesses the scientific, technical and socio-economic information relevant for the understanding of the risk of human-induced climate change. The World Meteorological Organization and the United Nations Environment Programme established it. Since 1990, the IPCC has released four major sets of reports. The main activity of the IPCC is to provide at regular intervals Assessment Reports of the state of knowledge on climate change. The latest one is "Climate Change 2007", the IPCC Fourth Assessment Report. The Fifth Assessment Report is due out in the Spring of 2013 and we have the preliminary versions of AR5 available for this class. These will serve as the guide for this class. The class will involve short lectures followed by roundtable discussions of the reading assignments on the topics listed under the syllabus. No student may earn credit for both 4543 and 5543. (Sp) |
| METR    | 5553   | Climate and Renewable Energy   | Prerequisite: Mathematics 1503. Examines the science and technical aspects of solar, wind, hydro, and biomass power systems. Targets students interested in environmental science. Emphasis is on the key role of climate in determining where each of these systems is most likely to provide feasible alternatives to energy generated by fossil fuels. No student may earn credit for both 4553 and 5553. (Sp)  |
| METR    | 5603   | Micrometeorological Measurements   | (Slashlisted with 4603) Prerequisite: Mathematics 3113 or permission of instructor. Performance of measurement systems used to obtain meteorological observations. Includes systems for synoptic observations and special purpose systems for micro-meteorology, air pollution, etc. Effect of static, dynamic, sampling, round-off, and truncation error on data quality; comparison of analog and digital recording techniques. Laboratory (Irreg.)  |
| METR    | 5633   | Hydrometeorology   | (Slashlisted with 4633) Prerequisite: graduate standing. Hydrometeorology is part of meteorology directly concerned with hydrologic problems, such as forecasting and observing heavy precipitation and floods and how such features impact flood control, hydroelectric power, irrigation and similar fields of engineering and water resource management. No student may earn credit for both 4633 and 5633. (Irreg.)  |
| METR    | 5653   | Air Pollution Meteorology and Modeling                                   | (Slashlisted with 4653) Prerequisite: Grade of C or better in 3113 and 3213. Presents an overview of atmospheric dispersion problems and relevant weather systems with an emphasis on processes in the atmospheric boundary layer. Basic concepts and theories of turbulent transport and mixing are introduced and different dispersion theories and modeling approaches are discussed. No student may earn credit for both 4653 and 5653. (Irreg.)   |

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| Subject | Number | Title                             | Course Description   |
|---------|--------|-----------------------------------|--|
| METR    | 5663   | Radar Engineering                 | (Crosslisted with ECE 5663; Slashlisted with 4663) Prerequisite: grade of C or better in Electrical and Computer Engineering 3613, or permission. Introduction to radar system designs and applications with emphasis on weather radar. Radar system architecture and their functionalities and limitations of subsystems are discussed. Theories of radar detection and estimation in a noisy and cluttered environment; existing technologies and advanced techniques to improve radar performance. No student may earn credit in both 4663 and 5663. (F)  |
| METR    | 5673   | Weather Radar Theory and Practice | (Crosslisted with ECE 5673) Prerequisite: grade of C or better in Mathematics 3113 and Physics 2524 or permission. This course provides an introduction to electromagnetic waves and propagation through the atmosphere, radar design trade-offs, antennas, transmitters, and coherent receivers. Analysis of radar signals as noise-corrupted stochastic processes, with emphasis on digital signal processing for Doppler spectrum and moment estimation. Implementation of processing algorithms using actual Doppler radar data. (F)   |
| METR    | 5683   | Weather Radar Applications        | (Crosslisted with ECE 5683) Prerequisite: Graduate standing in Meteorology or Engineering, or permission of instructor. Interpretation of meteorological structures using weather radar. Introduces scatter from hydrometeors and refractive index variations. Presentation of quantitative precipitation estimation methods based on the radar reflectivity factor, attenuation, and dual-polarization observations. Also includes the fundamental concepts of clear-air echoes and the estimation of winds under non-precipitation conditions. (Sp)  |
| METR    | 5713   | Private Sector Meteorology        | Prerequisite: graduate standing in Meteorology. An overview of private sector meteorology in the United States. Designed to build background knowledge, foster the use of higher-order analytical skills, and further develop communication and presentation skills. The course includes lectures, directed readings, visiting local private sector companies, interviews with practicing meteorologists, and the development of a portfolio about a private sector meteorological company. Students gain experience in applying their meteorological knowledge to a practical problem as might be encountered in professional practice. No student may earn credit for both 4713 and 5713. (Irreg.) |
| METR    | 5803   | Topics in Applied Meteorology     | Prerequisite: permission of instructor. May be repeated with change of subject matter; maximum credit 12 hours. Application of meteorological concepts and information to current environmental and meteorological problems on any scale.  |
| METR    | 5960   | Directed Readings                 | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| METR    | 5970   | Special Topics/Seminar            | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| METR    | 5980   | Research for Master's Thesis      | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| METR    | 5990   | Independent Study                 | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor. May be repeated with change of subject matter; maximum credit eight hours for master's degree students. Individual research problems in meteorology, climatology, hydrometeorology, and other areas of the atmospheric and earth sciences. (Irreg.)   |
| METR    | 5999   | Graduate Level Transfer Credit    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| METR    | 6223   | Convective Clouds and Storms      | Prerequisite: 5113 or equivalent. Anelastic and Boussinesq equations; Benard convection; plume models; parameterization of cloud microphysics; three-dimensional models; Doppler radar analysis; observations of severe thunderstorms and tornadoes. (Irreg.)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| METR    | 6313   | Advanced Data Assimilation Methods: Ensemble Kalman Filter Techniques and Applications | Prerequisite: graduate standing or permission of instructor. Introduction to ensemble Kalman data assimilation techniques (EnKF). Students learn the most popular EnKF techniques through lectures and hands-on project assignments, and also develop skill in scientific thinking and synthesis, written and oral communication and programming throughout the course. (Irreg.)   |
| METR    | 6333   | Numerical Weather Prediction   | Prerequisite: 5344 or permission of instructor. Development of accurate, reliable and efficient numerical models for the prediction of weather of all types and scales. Models currently in operation at weather centers in the U.S. and internationally will be analyzed. Students will develop their own code for some simple models to gain hands-on experience. (Sp)   |
| METR    | 6413   | Topics in Advanced Mesoscale Meteorology   | Prerequisite: 5113. Research topics in the areas of cyclogenesis, frontogenesis and mesoscale systems. Topics include "IPV thinking" and its application to cyclogenesis; trapped gravity currents and Kelvin waves; the dryline; rainbands in extratropical cyclones; air-sea instability; topographically induced eddies; generalization of the frontogenetical function.  |
| METR    | 6613   | Weather Radar Polarimetry  | (Crosslisted with ECE 6613) Prerequisite: graduate standing. Provides fundamentals and principles of weather radar polarimetry through understanding wave scattering and propagation in geophysical media subject to turbulent mixing and filled with hydrometeors and other objects. The relations between polarimetric radar observables and physical parameters will be established. The methods and algorithms for retrieving cloud and precipitation microphysics for weather quantification and forecast will be introduced. (F) |
| METR    | 6803   | Advanced Selected Topics in Meteorology  | Prerequisite: at least 12 hours of graduate work in meteorology or equivalent, permission of instructor. May be repeated with change of subject matter; maximum credit 12 hours. Topics are drawn from areas of atmospheric physics and dynamics of severe storm forecasting, experimental design, eco-meteorology, weather modification or engineering meteorology. (Irreg.)  |
| METR    | 6902   | Professional Perspectives in Meteorology   | Prerequisite: Graduate standing. This is a course presented in discussion format to develop the professional preparation of Ph.D. students. Course topics include: professional ethics; career planning; publishing papers, writing successful proposals, succeeding in academia; professional societies and national laboratories; dealing with the press and politicians, leadership and other aspects of the profession. (Irreg.)   |
| METR    | 6950   | Research for Doctoral Dissertation prior to the General Exam                           | 2 to 16 hours. Prerequisite: graduate standing in Meteorology. May be repeated up to 14 times (2 credit hours per semester); 30 credit hours maximum. Applicable for research hours for pre general exam PhD students. (F, Sp, Su)   |
| METR    | 6960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| METR    | 6970   | Seminar  | 1 to 3 hours. Prerequisite: graduate standing and permission. May be repeated with change of subject matter; maximum credit four hours for master's degree, or 10 hours for doctor's degree. (F, Sp)   |
| METR    | 6980   | Research for Doctoral Dissertation   | (F, Sp, Su)  |
| METR    | 6990   | Special Problems   | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor. May be repeated with change of subject matter; maximum credit 12 hours for doctoral students. Individual research problems in meteorology and related areas conducted under faculty supervision. (F, Sp, Su)  |
| MGT     | 1999   | Lower Division Transfer Credit   | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| MGT     | 2013   | Introduction to Management   | A survey course covering the fundamental processes of management in terms of planning, organizing, leading and controlling in an organization. This course will not count for credit toward any Price College of Business major. (F, Sp)   |



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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| MGT     | 2970   | Special Topics/Seminar                                   | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.  |
| MGT     | 3013   | Principles of Organization and Management                | Prerequisite: junior standing. An introductory course presenting the basic concepts and practices of management, both private and public. Historical development of management; basic definitions and philosophy; fundamental managerial functions, including planning, organizing, staffing, directing, and controlling; a survey approach to quantification in organizational life; current trends in management; possible future developments in organization and administration. (F, Sp, Su)   |
| MGT     | 3123   | Supervision Skills                                       | Prerequisite: student must be approved for degree candidacy by Price College, or permission. Designed to introduce basic managerial skills required to build personal effectiveness and effective working relationships with employees. Through a variety of teaching methods, students will learn "real world" skills in various types of communication including coaching, motivation, goal setting, and performance feedback. (F, Sp)   |
| MGT     | 3133   | Leadership   | Prerequisite: MGT 3013; must be approved for degree candidacy by Price College. This course is designed to expose students to a variety of leadership perspectives and practices in order to enhance individual development and effectiveness as a leader. Focus will be on a repertoire of practical and theoretical leadership principles. This course will offer opportunities for students to improve their leadership skills through exercises and simulations. (F, Sp)   |
| MGT     | 3153   | Organizational Management of Professional Sport          | Prerequisite: Student must be approved for degree candidacy by Price College. Study of the management principles of both collegiate and professional athletics. This class will cover the management of every major department of a collegiate athletic department and of a professional sport team. Guest speakers from the industry as well as field trips to witness the operation of a sporting event are a vital part of this class. (F, Sp, Su)  |
| MGT     | 3163   | Licensing and Intellectual Property Management in Sports | Prerequisite: MGT 3013 or permission; Must be approved for degree candidacy by Price College and a Sports Management major (B658 P623), Minor for Business Major (N855) or Minor for Non-business Major (N856). Provides students with an introductory view into the world of collegiate licensing. This information will be extremely useful in application for all areas within athletics, where an understanding of the principles of intellectual property- specifically trademark law and licensing- will assist in understanding of the happenings within a department or professional organization. (F, Sp) |
| MGT     | 3173   | Sports Logistics   | Prerequisite: MGT 3013 or permission; Student must be approved for degree candidacy by Price College and a Sports Management major (B658 P623), Minor for Business major (N855) or Minor for Non-Business Major (N856). Principles in sports logistics. Instruction emphasizes intercollegiate athletics and deals with practical application. Provides an understanding of all phases of intercollegiate sports logistics. Opportunities for hands-on learning will be provided and guest speakers will be included. (F, Sp)  |
| MGT     | 3183   | What Makes A Team Work                                   | Prerequisite: MGT 3013; student must be approved for degree candidacy by Price College and a Sports Management major (B658 P623), Minor for Business major (N855) or Minor for Non-Business Major (N856). Designed to provide students with an opportunity to explore and examine all factors relevant to functioning within a team. This is a course about both principles and applications. A unique focus on the collegiate student athlete experience will serve as a foundational element for the team concepts introduced and taught. (F)  |
| MGT     | 3193   | Sports Marketing and Management                          | Prerequisite: MGT 3013; student must be approved for degree candidacy by Price College and a Sports Management major (B658 P623), Minor for Business major (N855) or Minor for Non-Business Major (N856). Introduction to Sports Marketing Management designed to expose students to the concepts of collegiate sports marketing while giving a real world, behind the scenes exposure to managing a major college athletics department through the marketing side of the industry. (F, Sp)  |

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| Subject | Number | Title                                | Course Description   |
|---------|--------|--------------------------------------|--|
| MGT     | 3233   | Leadership in International Settings | Prerequisite: junior standing; student must be approved for degree candidacy by Price College; and departmental permission. This class will help students become culturally sensitive and knowledgeable leaders. The unique setting in Costa Rica, class discussions, current readings, and business site visits will enrich the learning environment, broaden students' perspectives and contribute to their life experiences and thus leadership development. (Sp)   |
| MGT     | 3363   | Organizational Behavior              | Prerequisite: student must be approved for degree candidacy by Price College, MGT 3013, or permission. Covers the structure of organizations and the dynamics of behavior within organizations. Included are such topics as job design, perception, communication, decision making, motivation, groups, leadership, and organizational change and effectiveness. (F, Sp, Su)   |
| MGT     | 3440   | Mentored Research Experience         | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| MGT     | 3513   | Human Resource Management Practice   | Prerequisite: student must be approved for degree candidacy by Price College, MGT 3013 or permission. A survey course that focuses on developing students' understanding of human resource issues and the practical application of methods for solving these issues. Topics covered include job analysis, recruitment, interviewing, selection, performance appraisal, training, compensation, and equal employment opportunity. Issues are reviewed within the context of historical and current social, labor market, legal and global economic conditions influencing practice. (F, Sp, Su) |
| MGT     | 3700   | Management Internship for Credit     | 1 to 3 hours. Prerequisite: student must be approved for degree candidacy by Price College; permission showing approval from the designated faculty or advisor overseeing internships for credit; MGT 3013. The internship experience will provide students with the opportunity to work in positions related to their field of study and to gain valuable professional experience while enhancing their academic career. An internship normally covers one academic semester and may be either paid or unpaid. (F, Sp, Su)  |
| MGT     | 3710   | Topics in Management                 | 1 to 3 hours. Prerequisite: student must be approved for degree candidacy in Price College of Business. May be repeated; maximum credit nine hours. Permits students to study topics in management not included in standard course offerings. Subject of course will vary. (F, Sp, Su)   |
| MGT     | 3960   | Honors Reading                       | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to study materials not usually presented in regular courses. (F, Sp, Su)   |
| MGT     | 3970   | Honors Seminar                       | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| MGT     | 3980   | Honors Research                      | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| MGT     | 3990   | Independent Study                    | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| MGT     | 3999   | Upper Division Transfer Credit       | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| MGT     | 4123   | Labor Management Relations                   | Prerequisite: student must be approved for degree candidacy by Price college, all 3000-level Business core courses, MGT 3513 or permission. Survey of history and theory of trade union, labor law, factors in the labor market, contract negotiations and administration. Identification and definition of the role of management, unions and government in the industrial relations process. (F, Sp)  |
| MGT     | 4143   | Evidence-Based Human Resources Management    | Prerequisite: MGT 3013; MKT 3013; LS 3323; FIN 3303; MGT 3513. May be repeated once; maximum credit six hours. The purpose of this course is to survey topics in human resource management practices and systems concerning financial and/or operational impact of HR practices (or what is often called utility analysis). (F, Sp)   |
| MGT     | 4153   | Current Issues in Human Resource Management  | Prerequisite: student must be approved for degree candidacy by Price College; completion of 3000-level Business core; MGT 3513 or permission. An in-depth coverage of selected human resource issues. Issues covered include human resource costing, equal employment opportunity, recruiting, interviewing, selection, training and development, and performance appraisal. Focus is on the application of research results to problems and opportunities presently confronting human resource practices. (Sp)   |
| MGT     | 4173   | Sports Management Practicum                  | Prerequisite: MGT 3013, MGT 3153, LS 3323 and FIN 3303, MKT 3013; student must be approved for degree candidacy by Price College and a Sports Management major (B658 P623), Minor for Business major (N855) or Minor for Non-Business Major (N856). Designed to allow students to both gain conceptual knowledge of project management and to conduct a semester length project for a professional or intercollegiate sports organization. (F, Sp)  |
| MGT     | 4183   | Negotiation                                  | Prerequisite: Business major and junior standing. This course explores the principles behind effective negotiation and mediation while helping students develop and refine their own unique styles. Students will learn negotiation strategies in a non-threatening classroom context. The readings and lectures will provide students with a framework for analyzing negotiations and tools and concepts useful in negotiating more effectively. (F, Sp)   |
| MGT     | 4323   | Cross-Cultural Issues Of Managerial Behavior | Prerequisite: student must be approved for degree candidacy by Price College; completion of 3000-level Business core; B AD 3513, or permission. Introduces students to the work values and behaviors of individuals in countries around the world. Some of the topics covered in the cross-cultural comparisons discussed in this will include: approaches to motivation, communication decision-making and negotiation. Particular emphasis will be placed on the developed and developing regions of the world that are important participants in today's global economy. (F, Sp) |
| MGT     | 4373   | Compensation Issues in Management            | Prerequisite: 3513. Designed to help future managers understand and use human resource compensation systems. Students will be exposed to theories from labor economics and psychology that guide modern compensation systems. Compensation practices covered include job analysis, relevant legislation design, limited financial resources. (F, Sp)  |
| MGT     | 4710   | Special Problems in Management               | 1 to 3 hours. Prerequisite: junior standing and permission. May be repeated with change of subject matter; up to six hours with 18-hour major and three hours with 15-hour major. (F, Sp, Su)   |
| MGT     | 4960   | Directed Readings                            | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| MGT     | 4970   | Special Topics/Seminar                       | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |

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| Subject | Number | Title                                      | Course Description   |
|---------|--------|--|--|
| MGT     | 4973   | International Human Resource Management    | Prerequisite: student must be approved for degree candidacy by Price College; completion of 3000-level Business core or permission. Aspects of managing people in the global workplace. Caters to students aspiring to become either global managers who work for multi-national corporations located in different countries or managers who work for diversified enterprises with plants and branches in different locations. Covers global HR issues arising in relation to the management of workforces functioning in cross-cultural operating contexts. (F, Sp, Su) |
| MGT     | 4990   | Independent Study                          | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| MGT     | 5113   | Organizational Behavior and Administration | Prerequisite: graduate standing and permission of the Director of CBA Graduate Programs. Explores the factors that affect human behavior in organizational settings by examining the impact of alternative administrative practices on organizational effectiveness and member satisfaction. Topics include: perception, motivation, communication, decision-making, groups, leadership and organizational development. (Sp)   |
| MGT     | 5702   | Organizational Behavior                    | Prerequisites: graduate standing; departmental permission. Concepts and theories of organizational behavior and human resources management for MBAs. (Irreg.)  |
| MGT     | 5712   | Negotiation and Leadership                 | Prerequisites: graduate standing; departmental permission. Theoretical understanding and skill development necessary for effective negotiations and leadership in organizational settings. (Irreg.)  |
| MGT     | 5960   | Directed Readings                          | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| MGT     | 5970   | Special Topics/Seminar                     | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| MGT     | 5980   | Research for Master's Thesis               | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. The only passing grade given is the neutral grade of S. (F, Sp, Su)   |
| MGT     | 5990   | Independent Study                          | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| MGT     | 5999   | Graduate Level Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| MGT     | 6253   | Seminar in Organizational Theory           | Prerequisite: graduate standing. A consideration of major topics in organization structure and macroorganization theory. Emphasis will be given to applications in a wide variety of organizational and administrative contexts. (F, Sp)   |
| MGT     | 6273   | Seminar in Organizational Behavior         | (Crosslisted with MKT 6273) Prerequisite: graduate standing and admission to the PhD program in the Price College of Business. Addresses personal and interpersonal issues in marketing and management. Application of social science theory to explain the behavior of organization members. (F, Sp)  |
| MGT     | 6293   | Seminar in Strategic Management            | (Crosslisted with MKT 6293) Prerequisite: graduate standing and permission of director CBA graduate programs. Reviews the major theories, concepts, and frames of reference regarding strategic management. (Irreg.)   |
| MGT     | 6960   | Readings in Selected Fields of Management  | 1 to 4 hours. Prerequisite: 12 hours of management, graduate standing and permission. Guided reading in selected fields of management theory and application, conducted on a conference basis by staff. Scope of reading and credit to be arranged on entry into course. The only passing grade in this course is the neutral grade of S. (F, Sp, Su)  |

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| Subject | Number | Title                                 | Course Description   |
|---------|--------|---------------------------------------|--|
| MGT     | 6963   | Seminar in Human Resources Management | Prerequisite: graduate standing and permission of instructor. Introduces doctoral-level students to major areas within the field of human resources management (HRM). Students will review and critique the literature in these selected areas and develop ideas for future research that further our understanding of HRM issues in organizations. The topics and readings covered in this course are not exhaustive, but are representative of HRM research. (Irreg.)  |
| MGT     | 6970   | Special Topics/Seminar                | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)   |
| MGT     | 6973   | Seminar                               | Prerequisite: graduate standing and permission. May be repeated with change of topic; maximum credit 12 hours. A seminar for graduate students with topics to be announced each time course is offered. (F, Su)  |
| MGT     | 6980   | Research for Doctoral Dissertation    | Research for Doctoral Dissertation. (F, Sp, Su)  |
| MGT     | 6983   | Research Methods and Design           | Prerequisite: graduate standing and permission of instructor. Survey of research design and methods issues. Designed to introduce the Ph.D. student to the broad range of issues from the idea creation to publishing. Topics include theory, models, designs, data, measurement, data collection, analysis, theory development to academic writing and ethical issues. (Irreg.)   |
| MGT     | 6990   | Independent Study                     | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| MIS     | 1999   | Lower Division Transfer Credit        | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| MIS     | 2113   | Computer-Based Information Systems    | Prerequisite: undergraduate major in Business, B AD 1001. The course educates students on how information technology facilitates organizations to achieve its goals and solve problems. Students will learn to use latest tools of information technology, conduct hands-on-exercises and solve problems. Hence, students will become familiar with advanced use of spreadsheet and database software, networking technologies, web and application programming languages, and business analytics methods. (F, Sp, Su)                 |
| MIS     | 2970   | Special Topics/Seminar                | 1 to 6 hours. May be repeated with change of content; maximum credit six hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| MIS     | 3013   | Introduction to Programming           | Prerequisite: 2113 and junior standing. Introduce the basic principles of programming and design. Topics covered are language syntax, algorithm, development, logic structures, arrays and math function. (F, Sp)  |
| MIS     | 3033   | Non-Procedural Programming Languages  | Prerequisite: student must be approved for degree candidacy by Price College, MIS 2013 or MIS 3013; and MIS 3353 or concurrent enrollment. May be repeated once with change of topic; maximum credit six hours. Various emerging programming languages and tools relevant to MIS applications. The basic syntax, code construction, and Object-oriented programming concepts and the business use of programming languages will be covered. Possible languages could include Visual Basic in the .Net framework, Java, and C#. (F, Sp) |
| MIS     | 3213   | Business Data Analysis                | Prerequisite: student must have been approved for degree candidacy by Price College. This course will cover the use of end user computing tools such as spreadsheets to analyze various business problems. The course will introduce fundamental principles of business analysis and computer programming to develop solutions. Students may not receive credit for both MIS 3213 and MIS 3223. (F, Sp)  |

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| Subject | Number | Title                                    | Course Description  |
|---------|--------|--|---|
| MIS     | 3223   | Financial Data Modeling                  | Prerequisite: student must have been approved for degree candidacy by Price College; FIN 3303 or concurrent enrollment, or permission. Covers the use of MS Excel as an end-user computing tool to analyze financial models. Much of course deals with Visual Basic for applications and Excel macros, so student should expect a heavy dose of computer programming. Students may not receive credit for both 3213 and 3223. (F, Sp)   |
| MIS     | 3353   | Accounting Information Systems/Databases | Prerequisite: Student must be approved for degree candidacy by Price College, or permission. As organizations depend on data for their decisions, understanding database management is crucial. This course covers the structure, flow, and use of business data with an emphasis on data integrity. It covers conceptual data modeling, normalization, structured query language (SQL), physical database design and implementation, and data warehousing concepts. A team project with phased deliverables serves as the focal point. (F, Sp) |
| MIS     | 3373   | Systems Analysis and Design Theory       | Prerequisite: 3353 or permission. A study of the structure and application of tools, technologies, and models for analyzing, designing, and evaluating information systems. Topics include: case tools, structured analysis, I/O design, rapid application development, simulation models, prototyping, human factors, alternatives, cost/benefit analysis, recommendations for a new system, implementation and post-evaluation. (F, Sp)   |
| MIS     | 3383   | Electronic Business                      | Prerequisite: Student must be approved for degree candidacy by Price College or permission. The application of information technology to enable business processes (e.g., sales, manufacturing, procurement, financial accounting) across business enterprises. There is a substantial focus on Enterprise Resource Planning (ERP) systems, and students become familiar with the value and use of these systems in supporting everyday business activities. Students will make use and develop competency on popular ERP software. (F, Sp)     |
| MIS     | 3440   | Mentored Research Experience             | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| MIS     | 3960   | Honors Reading                           | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to study materials not usually presented in regular courses. (F, Sp)  |
| MIS     | 3970   | Honors Seminar                           | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| MIS     | 3980   | Honors Research                          | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp)  |
| MIS     | 3990   | Independent Study                        | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| MIS     | 3999   | Upper Division Transfer Credit           | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| MIS     | 4313   | Introduction to Business Analytics       | Prerequisite: MIS 2113; student must be approved for degree candidacy by Price College; senior standing. Introduces students to concepts of Business Analytics and helps them develop skills to identify interesting insights from data. Students will be introduced to tools, techniques, and digital technologies that are relevant to business analysis and decision-making. In the course of exploring these tools, the course will attend to applications across the different functional areas of business and organizations. (F, Sp)     |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| MIS     | 4363   | Business Infrastructure and Cyber Security          | (Crosslisted with HCB 4363) Prerequisites: junior standing, senior standing; graduate standing; student must be approved for degree candidacy by Price College; MIS 2113; MGT 3013; MKT 3013; LS 3323; FIN 3303. Provides information necessary to gain an understanding of communications and telecommunications networks, and cyber security concepts. Key topic areas of the course are: OSI and internet network models, standards and protocols, business infrastructure design (LAN, WLAN, Backbone Networks, WAN, Connection to the Internet), cyber security concepts, basic technical and managerial aspects of business infrastructure, practitioner's concerns and perspectives. (F, Sp) |
| MIS     | 4393   | Enterprise Resource Planning Configuration          | Prerequisites: MIS 3383 and student must be approved for degree candidacy by Price College and permission of instructor. This course is designed to present an overview of key enterprise systems design concepts from a functional, technical and implementation perspective with an emphasis on the process-centered organization and how integrated systems are designed to support cross-functional business. (F, Sp)   |
| MIS     | 4433   | Project Management                                  | Prerequisite: FIN 3303; MGT 3013; MKT 3013 and LS 3323. Presents the technical, managerial and organizational concepts and tactics associated with managing software development and/or acquisition projects. A project management software tool will be introduced and used at a very basic level. (Irreg.)  |
| MIS     | 4663   | MIS Field Project                                   | Prerequisites: MIS 3033 or concurrent enrollment in MIS 3033, MIS 3373 or concurrent enrollment in MIS 3373; FIN 3303; MGT 3013; MKT 3013; LS 3323. Involves a field project for a client-business firm or other organization. Students will work closely with their client; perform an analysis, provide design alternatives, evaluate alternatives, develop and demonstrate a working model (prototype) of a part of the system, prepare a recommendation, and make a formal presentation to their client. (F, Sp)  |
| MIS     | 4702   | Mobile Application Development                      | Prerequisite: MIS 3013; MGT 3013; MKT 3013; LS 3323; FIN 3303. Students will learn elements of good interface design for mobile devices, get an overall view of mobile app development, and build their own basic mobile app. (F, Sp)   |
| MIS     | 4710   | Topics in Management Information Systems            | 1 to 3 hours. Prerequisite: 2113, 3013 or 3033, or permission. May be repeated once with change of topic; maximum credit six hours. Topics may include any MIS related area; offered at the request of a faculty member with division approval. (Irreg.)  |
| MIS     | 4722   | Information Security                                | (Slashlisted with 5722) Prerequisite: MIS 3013; MGT 3013; MKT 3013; LS 3323; FIN 3303. The course covers the essentials of information security using a hands-on approach. Students will learn how computer security breaches occur and apply concepts learned in an isolated lab environment. No student may earn credit for both 4722 and 5722. (F, Sp)   |
| MIS     | 4960   | Directed Readings in Management Information Systems | 1 to 3 hours. Prerequisite: 2113, 3013 or 3033, or permission. May be repeated once with change of topic; maximum credit six hours. Topics in the management of information systems. (F, Sp, Su)  |
| MIS     | 4970   | Special Topics/Seminar                              | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| MIS     | 4990   | Independent Study                                   | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MIT     | 3440   | Mentored Research Experience                        | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |

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| Subject | Number | Title                                  | Course Description  |
|---------|--------|--|---|
| MIT     | 5013   | Introduction to Programming            | Prerequisite: graduate standing. The Visual Basic programming language is used to teach business computer programming using a visual programming approach. It includes fundamental programming principles for event-driven programming. No student may earn credit for both MIS 3013 and MIT 5013. (F, Sp)  |
| MIT     | 5303   | E-Business Architectures               | Prerequisite: MIT 5602. A study of the basic concepts of telecommunications and distribution processing and their applications to e-business. Focus is on managerial issues related to telecommunications. (Irreg.)   |
| MIT     | 5423   | Expert Systems/Artificial Intelligence | (Slashlisted with MIS 4423) Prerequisite: 5003 or B AD 5153. A study of the use of expert systems and artificial intelligence. Topics include what-if analysis, knowledge engineering, artificial intelligence models, and management science models. Students design, build and evaluate actual expert systems and write a paper. No student may earn credit for both MIS 4423 and MIT 5423. (Irreg.)  |
| MIT     | 5602   | Management Information Systems         | Prerequisites: graduate standing; departmental permission. This course examines the role of information technology, and its management, in supporting an organization's (internally- and externally-focused) operations and strategies. Particular attention is given to issues associated with the funding and building of business and technology architectures to enable efficient, effective, and adaptable operational, tactical and strategic actions. (Irreg.)   |
| MIT     | 5603   | Advanced Database Management           | Prerequisite: 5003, 5113. Covers the principles of design, use, and management of database technology including data warehouses from a manager's perspective. Involves a number of exercises using a multi-user relational database management system and associated tools to address typical business problems. (F)  |
| MIT     | 5612   | Database Design and Administration     | Prerequisite: graduate standing. This course is concerned with the design and governance of organizational data and its use. In this module, students will learn about the roles of database designers and administrators. Along the way, students will learn about the modeling techniques used by database designers to develop organizational databases and the standard language used to interface with databases. (Irreg.)   |
| MIT     | 5622   | Systems Analysis and Design            | Prerequisite: graduate standing and MIT 5612. System analysis and design is concerned with bringing all of a system's components together: data, software, hardware, people, procedures, etc. The student will learn about the roles of systems analysts during systems development. In particular, this course focuses on the analysis, design, implementation, and maintenance of information systems. Along the way, students will learn about the tools, techniques, and methodologies used by analysts to develop information systems in organizations. (Irreg.)   |
| MIT     | 5632   | Technology and Innovation Management   | Prerequisite: graduate standing and MIT 5602. Examines current issues and approaches to the management of technological innovation. Using case studies, assigned readings and class discussions, students will examine the complexity of issues involved in the management of technological innovation. An underlying theme of this course is that the successful management of technological innovation rests on an understanding of a number of issues, including the nature of competition, the interaction of new technologies with existing technologies, the evolution of markets and the processes through which organizations generate and absorb technological innovations. (Irreg.) |
| MIT     | 5642   | Information Technology Management      | Prerequisite: MIT 5602 or 5622, and graduate standing. Examines current issues and approaches to the management of information technology. Using case studies, assigned readings and class discussions, students will examine the complexity of issues involved in the management of IT. The underlying theme of this course is that it is deeply intertwined with every aspect of organizations and that effective management of IT requires a deep understanding of the internal and external aspects of organizations. The course will draw upon concepts in strategy, organization behavior and management to address issues in the effective management of IT. (Irreg.)                  |



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| Subject | Number | Title                                 | Course Description   |
|---------|--------|---------------------------------------|--|
| MIT     | 5652   | Knowledge Management in Organizations | Prerequisite: graduate standing. Study of knowledge management from a variety of perspectives -- historical, social, technical, managerial. Review of problems, opportunities, and events providing the impetus for focus on knowledge management. Explores various technologies that support knowledge management. Consideration of the social implications of knowledge management. However, our focus will be on the three critical elements in knowledge management-people, processes, and technology. Explores practices entailed in developing a knowledge infrastructure, valuing knowledge assets, managing the interaction of knowledge and people, leveraging teams, knowledge across organizations, managing people to facilitate effective knowledge sharing and use. (Irreg.) |
| MIT     | 5662   | Project Management                    | Prerequisite: MIT 5602 or MIT 5622 and graduate standing. Focus on managing projects, including their implementation within an organization. A project is a complex, non-routine, one-time effort limited by time, budget, resources, and performance specifications designed to meet customer needs. The characteristics make project management a particularly challenging management task. Project management concepts apply to many other types of organizational activities, e.g., managing task forces and committees. Planning, organizing, staffing and controlling projects require traditional management skills, an understanding of quality assurance techniques, and an appreciation of the unique challenges of managing projects. (Irreg.)                                  |
| MIT     | 5672   | IT-Enabled Business Processes         | Prerequisite: graduate standing and MIT 5602. Covers the business strategies and the technologies associated with the B2B space and the crucial role served by business processes in enabling business-to-business interaction. At the end of the course the students should understand the key issues and trends regarding B2B and business process strategies; As a consequence, the students should be able to contribute to the resolution of associated strategic and tactical decisions and to learn more about these issues on their own. (Irreg.)  |
| MIT     | 5682   | Business Data Analysis                | Prerequisite: graduate standing. Surveys analysis tools available in Excel relevant to business decision-making. The objective of the course is to be aware and comfortable with analytical techniques used for knowledge discovery, and to understand the power and potential of these tools in business settings. Also examines illustrations and applications across different functional areas. (Irreg.)   |
| MIT     | 5692   | E-Business Architecture (ERP)         | Prerequisite: MIT 5602 or 5622 and graduate standing in Price College of Business. Introduces students to enterprise systems and provides an overview of the managerial and technical issues in planning, designing, implementing, and extending enterprise system and technologies. Focus of the course is managerial with some technical content and several hands-on exercises involving enterprise software from the industry leader SAP. (Irreg.)   |
| MIT     | 5702   | Social Analytics                      | Prerequisite: MIS 5682 or instructor permission. Introduce students to analytic and visualization techniques required for processing social and social media data. (Sp)  |
| MIT     | 5712   | Advanced Financial Data Modeling      | Prerequisite: graduate standing, MIT 5602 and FIN 5312 or permission of instructor. An MIS course designed for students wishing to develop models in finance. Much of the course will involve developing and writing computer programs for spreadsheets. Develop models for financial planning, financial statement modeling, stock portfolio analysis and financial options using Excel VBA. (Sp)   |
| MIT     | 5722   | Information Security                  | (Slashlisted with MIS 4722) Prerequisite: Graduate Standing. The course covers the essentials of information security using a hands-on approach. Students will learn how computer security breaches occur and apply concepts learned in an isolated lab environment. No student may earn credit for both MIS 4722 and MIT 5722. (F)  |
| MIT     | 5732   | Management of Business Intelligence   | Prerequisites: graduate standing, MIT 5602; MIT 5612 or MIT 5772, or permission of instructor. This course will adopt a managerial perspective to recognizing the role of Business Intelligence and provide practical hands-on experience. Course sessions will help students understand how organizations could develop strategies to discover patterns in data and use this to compete in the global marketplace. (F, Sp)  |

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| Subject | Number | Title                          | Course Description   |
|---------|--------|--------------------------------|--|
| MIT     | 5742   | Data Science and Analytics     | Prerequisite: graduate standing, MIT 5602 and MIT 5612, or permission of instructor. Students will compare and experience data science tools along with the newer tools and methods of analytics, with the goal of becoming knowledgeable in both sets of tools. (Sp)  |
| MIT     | 5752   | Cloud Computing                | Prerequisite: graduate standing and departmental permission. Offers detailed discussion and hands-on exploration of technologies used to process, manage and store 'big data'. The ecosystem of products we will be focusing on surrounds Hadoop, including the Hadoop File System, MapReduce, and others. This course involves many labs and familiarity with SQL is helpful. Programming expertise is not required but optional materials will be provided. (F, Sp)  |
| MIT     | 5762   | Enterprise Modeling            | Prerequisite: MIT 5702 or permission of instructor. An in depth study of enterprise modeling techniques using an industry standard data mining technology suite. Students will develop a conceptual understanding of the major concepts used in data analytics along with in depth use of corresponding computer software. (Sp)  |
| MIT     | 5772   | Principles of Data Warehousing | Prerequisite: graduate standing and MIT 5612. Covers the fundamentals of developing and using a data warehouse. Students will learn to develop requirements, create a dimensional model and generate population and maintenance plans for a warehouse. Students will also learn to manipulate the data in the warehouse for update, maintenance and data extraction. The tools students will use are SQL and SAS. May also include demonstrations by various industry partners of other major warehouse products. (Irreg.)   |
| MIT     | 5782   | Advanced Database Management   | Prerequisite: graduate standing and MIT 5612. Builds on concepts--related to database design and systems analysis--learned in the respective introductory MIS courses. Initially, the focus is on providing a deeper understanding of the relational database model. Later, the focus shifts to integrating relational databases with the web. A central experiential element includes the design and development of web-enabled databases. Various tools such as HTML, SQL, and ASP (based on VBScript) will be reviewed and hands-on experience will be provided. Some exposure to ASP.net and XML will also be included. Students must have a basic understanding of course database concepts including ERDS and Database design. Basic knowledge of SQL and HTML is helpful for understanding the concepts. (Irreg.) |
| MIT     | 5792   | Systems Architecture & Design  | Prerequisite: graduate standing and MIT 5622. Simulation of the real-world experience of a computer-based information system creation project. Students work as teams to deepen and refine their skills by undertaking a field project. The project is in an actual organization to carry out the analysis and design project specified by the client. Clients are functional managers or information systems personnel with responsibility for the problem area. Students are expected to demonstrate a high level of professional performance, appearance, demeanor, and courtesy when working with clients. (Irreg.)  |
| MIT     | 5950   | Special Topics                 | 1 to 3 hours. Prerequisite: 5003, 5113. May be repeated with change of content; maximum credit twelve hours. A study of current research and practice in information technology. (Irreg.)  |
| MIT     | 5960   | Directed Readings              | Prerequisite: graduate standing. 1 to 3 hours. May be repeated with change of topic; maximum credit six hours. Topics in management of information technology. (Irreg.)  |
| MIT     | 5970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| MIT     | 5973   | Topics in Information Systems  | Prerequisite: 5003. May be repeated with change of content; maximum credit twelve hours. A study of current research and practice in information technology. (Irreg.)  |
| MIT     | 5980   | Research for Master's Thesis   | Prerequisite: MIS 5622 and instructor permission, graduate standing. Variable enrollment, two to nine hours; maximum credit applicable toward degree, three hours. Acquaints students with the research process. Students propose research project, and then conduct the research including but not limited to, performing a literature review, collecting and analyzing data, and writing the thesis prior to the end of the semester. (F, Sp)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| MIT     | 5990   | Independent Study   | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MIT     | 5993   | System Design and Implementation                                | Prerequisite: MIT 5612 and MIT 5622 and permission. Course has several diverse and sometimes apparently conflicting objectives: (1) reinforce, integrate and apply the knowledge and skills covered in the MIS curriculum, (2) develop additional skills needed for the analysis and design of an actual computer-based system with a client, and (3) deliver a useful project to the client. (Irreg.)  |
| MIT     | 5999   | Graduate Level Transfer Credit                                  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| MIT     | 6713   | Cognition and Decision Making in Management Information Systems | Prerequisite: graduate standing. May be repeated; maximum credit nine hours. Ph.D. seminar addressing issues of cognition and decision making in information technology enabled settings. The course focuses on these issues in an organizational setting and considers cognition and decision making at the individual, group, and organizational levels. Topics may include: fundamental theories of cognition and decision making; technology support and influence on decision making and cognition; mechanisms to coordinate cognition across individuals, groups and organizations. (Irreg.)  |
| MIT     | 6733   | Governance and Control  | Prerequisite: PhD program, Price College of Business. Examines theories and empirical research regarding the governance and control (G&C) in organizations, with special attention to the role of technology in G&C equations. The assigned readings sample the arena of governance and control and should provide students with the range of topics that are informed and influenced by the arena as well as exposure to the state-of-the-art in theory and empirics of governance and control. (Irreg.)   |
| MIT     | 6743   | Computer-Mediated Communication and Decision Making             | Prerequisite: graduate standing. Examines theories and research on how communication and decision making are increasingly being mediated through information technologies. Behaviors by individuals, within groups, and within and across organizations will be studied. (Su)   |
| MIT     | 6753   | The Science and Analytics of Human-Technology Interactions      | Prerequisite: Graduate Standing. Attention will be focused on research relating to interactions between Humans and Information Technology (IT) artifacts, to identify facets that make these interactions productive and enjoyable. The course goals will be to get familiar on the theory foundations that help the science of HTI, become skilled in the use of data analytics tools, and complete a limited research study. Class discussions will span a broad range of topics that include among others, the science of human-technology interactions, visualization of data, designs of visual displays, support for employee's learning of IT, and gamification of HTI interactions. (F) |
| MIT     | 6960   | Directed Readings in MIT  | 1 to 3 hours. Prerequisite: graduate standing and permission of instructor. May be repeated as needed by Ph.D. students; maximum credit twelve hours. A study of current research and practice in information technology. (F, Sp, Su)   |
| MIT     | 6970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| MIT     | 6973   | Seminar in Management Information Systems                       | Prerequisite: graduate standing. Covers topics from current research in information systems. May be repeated three time with change of content. (Irreg.)  |
| MIT     | 6980   | Research for Doctoral Dissertation                              | 1 to 3 hours. Prerequisite: permission of instructor. Research for doctoral dissertation. (F, Sp, Su)   |
| MIT     | 6990   | Independent Study   | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| MKT     | 1999   | Lower Division Transfer Credit                           | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| MKT     | 2013   | Introduction to Marketing                                | Prerequisite: sophomore standing. This course for non-Business majors explores real-world business marketing trends, principles, terminologies and issues. Not open to Business majors and may not count toward degree requirements for the BBA degree. (F, Sp)   |
| MKT     | 2970   | Special Topics/Seminar                                   | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |
| MKT     | 3013   | Principles of Marketing                                  | Prerequisite: Economics 1113, 1123, Accounting 2113, 2123, junior standing. Focuses on the relationship between the firm and its customers and the other members of the channel of distribution. Introduces students to: the marketing function of an organization; the environmental factors influencing marketing decisions; the discovery of market opportunities; the development of marketing strategy; and the development of marketing programs. (F, Sp, Su)   |
| MKT     | 3053   | Marketing Research                                       | Prerequisite: Student must be approved for degree candidacy in the Price College of Business, 3013 or concurrent enrollment. This course provides students with an understanding of the role of marketing research in organizations and how marketing research is implemented. Students will learn the value of primary and secondary data, become familiar with methods for data collection and analysis, and understand how research errors can be reduced or avoided. The course is designed to further students' professional development by enhancing their ability to work in teams and effectively communicate facts and opinions to solve business problems. This course assumes an understanding of basic statistics and spreadsheets. (F, Sp) |
| MKT     | 3223   | Logistics Management                                     | (Crosslisted with SCM 3223) Prerequisite: Student must be approved for degree candidacy by Price College, 3013 or concurrent enrollment. The physical supply and distribution function in business management, including channel selection, transportation, facility location and materials management; concentrates on the analytical and managerial methods necessary for the development and control of an integrated logistics system. (F, Sp)  |
| MKT     | 3323   | Purchasing and Buyer Behavior                            | (Crosslisted with SCM 3323) Prerequisite: 3013 and declared Marketing major or Supply Chain Management major. Consumer and organizational buying processes are examined. Individual and organizational decision-making frameworks, information technology, and the external environment are studied in the context of forming marketing strategies and tactics. Topics include make or buy decision making; supplier development and outsourcing; supplier evaluation, selection, and management; buyer-seller relationships; purchasing capital goods and services; international and electronic commerce; information processing; social and economic influences; preference formation and change; and image creation and positioning. (F, Sp)        |
| MKT     | 3333   | Special Topics in Consumer and Industrial Buyer Behavior | Prerequisite: 3013, 3023. May not be repeated. Special topics in marketing. Content will vary and may be of an applied nature.  |
| MKT     | 3343   | Retailing Management                                     | (Crosslisted with FRAN 3343) Prerequisite: Student must be approved for degree candidacy by Price College, MKT 3013. An analytical approach to the management of retail institutions. Addresses strategic and operating level decision making related to delivery of products and services to consumers, focusing on each of the four dimensions of the marketing mix. Includes modules on electronic commerce and ethical responsibility. (F, Sp)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| MKT     | 3413   | New Product Development                            | Prerequisite: Student must be approved for degree candidacy by Price College; ENT 3113 or MKT 3053; MKT 3013, MGT 3013. Focuses on the development of ideas for new or established organizations, creating an environment conducive to innovation, recognizing business opportunities, assessing the market, customer and competitor situation. The development of these ideas leads to a feasibility analysis. Examines the development of a sales and distribution structure (including franchising, distributorship, and licensing and alliances), understanding segmentation, targeting, and niching. (F, Sp)   |
| MKT     | 3440   | Mentored Research Experience                       | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| MKT     | 3513   | Social Media Marketing                             | Prerequisite: MKT 3013. The breadth and strengths of social media our ever-growing, resulting in fundamental shifts in the way marketers communicate and interact with consumers. Particularly, the Internet and its related technologies enable social media to have influence far beyond the traditional consumer communities. This course provides the practical knowledge and insights required to establish objectives and strategies, properly select the social media platforms to engage consumers, and monitor and measure the results of these efforts. (F, Sp)   |
| MKT     | 3613   | Healthcare Marketing and Administration            | (Crosslisted with HCB 3613) Prerequisite for Business Majors: Business Candidacy & MKT 3013 Prerequisite for Non-business Majors: MKT 2013 or 3013. Healthcare organizations must be prepared to shift their strategies in order to meet the increasing demands in this dynamic market. The purpose of this course is to apply the systems of marketing and administration to the problems of health care organizations and provide an insight to the business problems healthcare organizations are likely to encounter. (F, Sp)   |
| MKT     | 3623   | Competitive and Economic Environment of Healthcare | (Crosslisted with HCB 3623) Prerequisite for Business Majors: Business Candidacy, MKT/HCB 3613. Prerequisite for Non-business Majors: ECON 1123 and MKT/HCB 3613. A wide range of new governmental regulatory interventions in the healthcare arena and changes to the economic environment are directly linked to uncertainty in the structure of health insurance; the contractual arrangements and relationships that exist between patients, doctors, and hospitals. This course explores these issues in detail and presents case studies that will guide the student to a better understanding of healthcare economics. Not open to Marketing majors. (F, Sp) |
| MKT     | 3713   | Fundamentals of Franchising                        | (Crosslisted with FRAN 3713) Prerequisite: Business Candidacy and 3000 level core or concurrent enrollment. Provides a fundamental understanding of the franchising business model to showcase its unique differential advantages over alternative conventional systems of distribution. In particular, the course will focus on introducing students to operational issues, information flows, financial considerations and relationship processes involved in franchising. (F, Sp)  |
| MKT     | 3723   | Integrated Franchising Communications              | (Crosslisted with FRAN 3723) Prerequisite: Business Candidacy, 3000 level core or concurrent enrollment & FRAN/MKT 3713 or concurrent enrollment. It examines how franchisor-created communications and sales promotions can best be combined with franchisee-created social media programs to present a consistent image across the franchise system. Combinations of media vehicles and messages are explored to present an effective communication strategy. (F, Sp)   |
| MKT     | 3970   | Honors Seminar                                     | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| MKT     | 3980   | Honors Research                                    | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |

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| Subject | Number | Title                                       | Course Description   |
|---------|--------|---|--|
| MKT     | 3990   | Independent Study                           | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| MKT     | 3999   | Upper Division Transfer Credit              | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| MKT     | 4123   | Negotiation and Selling                     | Prerequisite: Student must be approved for degree candidacy by Price College, all 3000-level Business core courses. Addresses the field sales effort of the firm with emphasis on tactical analysis. It examines professional selling as the negotiation process that provides the link between firm and customer with a focus on both the oral and written communication involved. The thrust of the course is application and the view is first line and tactical. (F, Sp)   |
| MKT     | 4303   | International Advertising                   | (Crosslisted with JMC 4303) Prerequisite: 3013. May be repeated once with change of subject matter; maximum credit six hours. Designed to provide basic understanding of advertising and culture that applies to advertising in non-American locations. (Irreg.)   |
| MKT     | 4333   | Marketing Strategy and Policy               | Prerequisite: Student must be approved for degree candidacy by Price college, all 3000-level Business core courses, 3053. Should be taken in the student's last semester. Major topics addresses are strategic marketing, product management, pricing management and marketing ethics. (F, Sp)   |
| MKT     | 4523   | International Marketing                     | Prerequisite: Student must be approved for degree candidacy by Price College, all 3000-level Business core courses. Study of marketing concepts and their international marketing implications, dealing with international market structure, framework for multinational marketing, strategic guidelines for global marketing strategies, pricing, promotion, product and distribution strategies for international markets. Special assignments include case studies, country analysis, article reviews and a term paper on topic of special interest related to international marketing. (F, Sp)   |
| MKT     | 4613   | Ethical and Regulatory Issues in Healthcare | (Crosslisted with HCB 4613) Prerequisite for Business Majors: Business Candidacy, 3000-level core courses and HCB/MKT 3613. Prerequisite for Non-business Majors: HCB/MKT 3613 and LS 3323. The Healthcare Industry continues to undergo enormous changes with new laws, regulations and policies, fresh innovations and the increasingly higher expectations of the healthcare consumer. With this in mind, it is a necessary requirement to develop a process of creating a strong ethical climate within a healthcare organization. This course explores the complex moral, ethical and legal issues that continue to arise within the healthcare profession. Not open to Marketing majors. (F, Sp) |
| MKT     | 4713   | Policies and Strategies in Franchising      | (Crosslisted with FRAN 4713) Prerequisite: Business Candidacy, 3000 level core & FRAN/MKT 3713. Emphasizes the process of business decision-making within the setting of a contractual channel of distribution with specific focus on the unique context of a franchising enterprise. Students will be exposed to developing skills in synthesizing diverse knowledge areas in order to arrive at holistic, coherent and responsible strategic decisions. (F, Sp)  |
| MKT     | 4800   | Current Issues in Marketing                 | 1 to 3 hours. Prerequisite: permission of department and instructor. May not be repeated. An advanced seminar dealing with contemporary issues in marketing. Content will vary with the instructor. May not be repeated.   |
| MKT     | 4900   | Marketing Reading                           | 1 to 3 hours. Prerequisite: advanced standing and permission. May be repeated; maximum credit six hours. Provides an opportunity for the student to study materials not usually presented in regular courses. (F, Sp, Su)  |
| MKT     | 4960   | Directed Readings                           | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |

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| Subject | Number | Title                                    | Course Description  |
|---------|--------|--|---|
| MKT     | 4970   | Special Topics/Seminar                   | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| MKT     | 4990   | Independent Study                        | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MKT     | 5402   | Marketing Management                     | Prerequisite: graduate standing; departmental permission. Covers marketing concepts of use to MBAs. Topics include the use of management information systems, pricing, product offerings, promotion, distribution and consumer behavior, as well as marketing segmentation and strategic marketing. (F, Sp)   |
| MKT     | 5412   | Marketing Research                       | Prerequisite: 5402 and graduate standing in the Price College. Provides students with the pragmatic, managerial insights into the market research process and techniques from the both the "practitioner" and "user" perspectives. (F)  |
| MKT     | 5960   | Readings in Selected Fields of Marketing | 1 to 4 hours. Prerequisite: graduate standing and permission. May be repeated; maximum credit eight hours. Guided reading in selected fields of marketing; conferences with staff. Scope of reading and credit to be arranged on entry into course. The only passing grade given in this course is the neutral grade of S. (F, Sp, Su)  |
| MKT     | 5970   | Special Topics/Seminar                   | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| MKT     | 5990   | Independent Study                        | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MKT     | 5999   | Graduate Level Transfer Credit           | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| MKT     | 6243   | Applied Univariate Statistics            | (Crosslisted with B AD 6243) Prerequisite: Ph.D. standing or permission of instructor; permission (Director, Price College of Business Graduate Programs). Probability, algebra of expectations, random sampling, sampling distributions, point and interval estimation, tests of hypotheses, parametric and nonparametric, sampling methods, survey design, general linear model, computer applications, statistical analysis system. (F)  |
| MKT     | 6273   | Seminar in Organizational Behavior       | (Crosslisted with MGT 6273) Prerequisite: graduate standing and admission to the PhD program in the Price College of Business. Addresses personal and interpersonal issues in marketing and management. Application of social science theory to explain the behavior of organization members. (Irreg.)  |
| MKT     | 6293   | Strategic Marketing and Management       | (Crosslisted with MGT 6293) Prerequisite: graduate standing and permission (Director, Price College of Business Graduate Programs). Reviews the major theories, concepts and frames of reference regarding strategic marketing and management. (Irreg.)   |
| MKT     | 6393   | Current Issues in Marketing              | Prerequisite: graduate standing and permission (Director, Price College of Business Graduate Programs). Addresses leading theoretical and research issues that are currently prominent in the marketing discipline. The specific content will be structured according to the particular interests and expertise of the marketing professor teaching the course.   |
| MKT     | 6773   | Marketing Models                         | Prerequisite: graduate standing and admission to the Price College Ph.D. program. Advanced doctoral seminar in quantitative research in marketing. Selected topics from theoretical and empirical research streams in marketing, econometrics, and industrial organization will be covered. Students will develop an appreciation for what it takes to build and analyze a quantitative model as well as an understanding of the contribution such modeling has made to marketing thought. (Irreg.) |

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|---------|--------|--|--|
| MKT     | 6960   | Directed Readings in Marketing                   | 1 to 4 hours. Prerequisite: graduate standing; permission of instructor, permission (Director, Price College of Business Graduate Programs). May be repeated as needed by Ph.D. students. Special reading programs are designed to enable graduate students (1) to extend their study to fields of marketing that are not covered in other courses and/or (2) to provide an opportunity for more extensive or intensive study of subjects covered in other courses. (F, Sp, Su)  |
| MKT     | 6970   | Special Topics/Seminar                           | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)   |
| MKT     | 6980   | Research for Doctoral Dissertation               | (F, Sp, Su)  |
| MKT     | 6990   | Independent Study                                | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| MLLL    | 1003   | Introduction to Chinese Culture                  | This course provides an overview of Chinese culture, history, and language to students who are interested in getting to know the "real" China. Through lectures, readings, class discussions, workshops and cultural activities, the course introduces the fundamentals of traditional Chinese ideology, traditional virtues, ancient Chinese literature and arts, customs and habits, as well as Chinese language(s). (F) [IV-NW]   |
| MLLL    | 1013   | Introduction to the French and Francophone World | Introduces a number of influential motifs in French and Francophone cultural history. Intended to help students formulate fundamental questions useful in further study of French, European, and world cultures. Includes analysis of historical, social, philosophical, artistic, and practical modes of expression, not only in the history of France itself, but also in Francophone Africa, North America, and the Caribbean. From the French Revolution to the dynamics of contemporary immigration, from French regional identities to fashion, gastronomy, and film, the course leads students to the discovery of a variety of significant forms of French and Francophone cultural expression. (F) IV-WC. |
| MLLL    | 1053   | Body & Soul: Metamorphosis in World Literature   | The course introduces students to the concept of metamorphosis as it appears in fiction, poetry, film, and art. We will consider many different types of metamorphoses: human-animal hybrids, religious conversions, gender transformations, as well as the transformative power of art and love. (Sp) [IV-WC]   |
| MLLL    | 1073   | The Hebrew Bible as Literature                   | The Hebrew Bible is a best-seller in America every single year. We will explore its greatness by reading various texts and discussing issues such as what does it mean to read the Bible from a literary perspective; what were the literary norms when these texts were written. Special attention will be given to close reading and textual analysis. (F, Sp) [IV-WC]   |
| MLLL    | 1999   | Lower Division Transfer Credit                   | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| MLLL    | 2003   | Introduction to World Literature                 | Introduction to idea and practice of comparative literature study. Focus will be on a particular body of literature (e.g., Italian post-WWII fiction, French-Canadian poetry of the nineteenth century, etc.) as shaped by other cultures and literature. Texts will be in original language and translation. (Irreg.) [IV-WC]   |
| MLLL    | 2970   | Special Topics                                   | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.  |
| MLLL    | 3000   | Literature in Translation                        | May be repeated with change of subject matter; maximum credit nine hours. Appreciation and analysis of poetry, novel, prose, drama, or film translated into English. (F, Su)   |



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|---------|--------|---|---|
| MLLL    | 3043   | Mythology and Folklore                                    | Prerequisite: junior standing or permission. Readings in folktales and myths from cultures around the world, with a focus on narrative structures and the role of the storyteller. Involves weekly reading and weekly writing assignments and a semester-long research project published on the internet. (No previous web publishing experience is required). (F, Sp) [IV-WC]  |
| MLLL    | 3063   | Survey of Jewish Literature from Antiquity to the Present | Prerequisite: junior standing. Provides a survey of Jewish literature from the Hebrew Bible to contemporary American literature, presented as a journey in which stops will be made at important places, covering all significant periods, genres and prominent writers. (F) [IV-WC]  |
| MLLL    | 3123   | Russian Culture and Civilization                          | Considers the historical and cultural heritage of Russia through a study of its geography, history, religion, language, literature and the fine arts. Allows students to appreciate the global perspectives and cultural diversity. [IV-WC]   |
| MLLL    | 3133   | Soviet and Post-Soviet Cinema                             | Prerequisite: junior standing. Familiarizes students with the history of film in the Soviet Union, from the silent movies of its beginnings to its manifestation at the present time. No previous knowledge of the Russian language is required. Russian social and political issues explored through film. (F, Su) [IV-WC]   |
| MLLL    | 3143   | Dostoevsky and His Age                                    | Prerequisite: junior standing. Examination of the life and literary works of Fyodor Dostoevsky, with special attention to the role the writer played in Russian and Western intellectual history. Reading assignments will include Crime and Punishment, The Brothers Karamazov, and several shorter works, all in English translation. (Irreg.) [IV-WC]  |
| MLLL    | 3153   | Russian Literature Through Film                           | Prerequisite: junior standing. Students analyze classic Russian literary texts and the films that they have inspired. This course focuses on the problem of cinematic adaptation. No previous knowledge of the Russian Language is required. (F, Su) [IV-WC]  |
| MLLL    | 3163   | Chekhov   | Prerequisite: junior standing or permission. An introduction to Anton Chekhov's work in translation. Both short stories and plays will be read, studying their narrative structure, plot devices, character development, themes, and other elements, while placing Chekhov's work in its historical, cultural, and political context. Excerpts of various screen adaptations of his plays will also be viewed. (F) [IV-WC]  |
| MLLL    | 3173   | Nabokov   | Prerequisite: junior standing or permission. An introduction to Vladimir Nabokov's work in English, including works translated from Russian as well as texts originally written in English. Focus will be on Nabokov's Novels; although, some short stories and poems will be included. The main methodology will center on applying the techniques of close textual analysis, while placing Nabokov's work in its historical, cultural, and political context. (F) [IV-WC]   |
| MLLL    | 3183   | Tolstoy: Writer, Thinker, Social Critic                   | Prerequisite: junior standing or permission of instructor. Introduction to Leo Tolstoy's work in translation. Traces Tolstoy's development as a writer of short stories, novels, and works of non-fiction. The writer's biography and significant aspects of nineteenth-century Russian society will inform discussions of Tolstoy's works, placing them in a broader context. In addition, students will explore Tolstoy's evolving religious, philosophical, and social ideas, as well as his legacy in Russia and throughout the world. (Irreg.) [IV-WC] |
| MLLL    | 3193   | Trauma, Memory, and Narrative                             | Prerequisite: junior standing. Ways in which traumatic historical events have been depicted in works of literature, art, and historical texts, and their commemoration in museum displays and in public ritual. While the focus is on the history of the Soviet Union and Eastern Europe, students will be encouraged to consider equivalent examples from other areas of the globe. (Irreg.) [IV-WC]   |
| MLLL    | 3223   | Japan Through Film and Literature                         | Prerequisite: junior standing. Introduces Japanese post-war society and culture with emphasis on 1945 to the present, as reflected in film and literature. Students will examine essential issues, including class, family, gender, work, education, and minorities, paying attention to the struggles between traditional cultural values and modern society. (Irreg.) [IV-NW]   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| MLLL    | 3233   | Japanese Literature since 1945                 | Prerequisite: junior standing. A survey of post-war Japanese literature from 1945 to present. Using the historical events as background, students will examine social, political and cultural issues reflected in literary work, as well as literary theory. Topics will include experiences and memories of war and the atomic bombing, Japanese literature in the 1960's, women writers and postmodern writers in the 1980's. Visual materials (films) are also introduced in relation to the topics of the course. All readings are in English. (Sp) [IV-NW]   |
| MLLL    | 3303   | The World of Dante                             | Prerequisite: Junior standing and English 1213. In this course students will engage in a close reading of a fundamental text in the western literary tradition: Dante Alighieri's Divine Comedy. The course will also consider one of Dante's minor works, the Vita Nuova, as well as the modern critical readings of Dante's writing and thought. In lectures, special attention will be paid to the historical, political, literary and intellectual context of Dante's poetry and thought. Students will also be asked to contribute to the classroom atmosphere by responding to questions and participating in discussions. (Irreg.) [IV-WC] |
| MLLL    | 3313   | Introduction to Italian Literature and Culture | Prerequisite: English 1213 or EXPO 1213. Interdisciplinary approach to literature, culture, and history of the Italian peninsula, from the Middle Ages to the present day. Through major works of literature, political science, the visual arts, music, and cinema, students will set Italy's variegated literary and cultural expressions in their social and historical contexts. (F) [IV-WC]  |
| MLLL    | 3373   | Italian Cinema                                 | Prerequisite: junior standing and English 1213. The aim of this course is to develop interpretive skills relevant to the study of Italian cinema by examining some of its most significant films. More specifically, we will analyze the ways in which Italian society is portrayed and typified in Italian cinema. We will cover the major film movements and periods, from "cinema muto" to Neorealism, from "commedia all' Italiana" to the Italian horror genre and to the most recent works made by contemporary directors. (Irreg.) [IV-AF]   |
| MLLL    | 3393   | Italian Cultural Literacy                      | Prerequisite: junior standing or permission of instructor. Introduces students studying abroad in the OU in Arezzo semester program to important aspects of Italian culture and history. Students will gain an ability to engage with Italian cultural phenomena and interact with native Italian speakers. No previous knowledge of Italian is required. The cultural part of the course will be taught in English. (F, Sp, Su)  |
| MLLL    | 3413   | Arabic Literature and Culture                  | Prerequisite: junior standing. A survey of Arabic literature tradition and cultural history from the 4th century to the present. Covers themes and genres of the cultural heritage of Arabic-Islamic civilization, continuities and discontinuities between the classical and modern period, and background political and social changes. (F) [IV-NW]   |
| MLLL    | 3423   | Western Visions of the East/12th-21st Century  | Prerequisite: junior standing. This course examines Western European representations of the Middle East, North Africa, and Asia from the Middle Ages to today. The aim is to consider how western culture constructs the Oriental Other in poetry, prose, drama, and film. Edward Said's "Orientalism" will serve as the critical foundation for the course. (F) [IV-WC]  |
| MLLL    | 3440   | Mentored Research Experience                   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| MLLL    | 3463   | Arab Culture & Society through Modern Fiction  | (Crosslisted with IAS 3463) Prerequisite: junior standing. This course introduces a broad range of themes and issues of modern Arabic culture and society, such as religion, family, gender, identity, emigration, colonialism, resistance, nationalism, freedom of expression, corruption, and war. (Sp) [IV-NWC]  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| MLLL    | 3523   | Survey of Russian Literature to 1917 in Translation      | Prerequisite: junior standing. Reading, analysis and discussion of key works of Russian 19th century literature, including the major novels, plays, and poetry selections in English translation. This course does not satisfy the third semester Arts and Sciences language requirement. (F) [IV-WC]  |
| MLLL    | 3533   | Survey of Russian Literature from 1917 in Translation    | Prerequisite: junior standing or permission of instructor. Representative works of Soviet and post-Soviet literature are read and discussed. Selections of prose and poetry chosen from among symbolists, acmeists, futurists, populists, modernists, and post-modernists. This course does not satisfy the third semester Arts and Sciences language requirement. (Irreg.) [IV-WC]                    |
| MLLL    | 3543   | The Petersburg Myth and Text/The City in Russian Culture | Prerequisite: junior standing. The role and significance of the city of St. Petersburg in Russian culture by examining its literary image and myth. All readings and discussions in English. (Irreg.) [IV-WC]  |
| MLLL    | 3573   | Arthurian Legend and Literature                          | (Crosslisted with ENGL 3573) Examination of the legend of King Arthur in European literature. Concentrate first on the historical Arthur, followed by major portion of semester on the medieval and modern literary texts concerning Arthur and the Round Table. All texts will be read in English translation. [IV-WC]  |
| MLLL    | 3623   | Pre-Modern Japanese Literature and Culture               | Prerequisite: junior standing. A survey of Japanese literature from ancient time to the Meiji restoration. Covers prominent works of poetry and prose in English translation. Students are introduced to traditional genres, themes, rhetorical device and aesthetics, as well as socio-historical context of literary production. (Irreg.) [IV-NW]  |
| MLLL    | 3633   | Modern Japanese Literature and Culture                   | Prerequisite: junior standing. A survey of Japanese literature from the Meiji restoration (1868) onward, with attention to social, political, and cultural issues as well as literary theory. Topics will include Japan's "westernization," "naturalism," proletarian literature movements, early post-war literature, and the "third new generation writers." (Sp) [IV-NW]                            |
| MLLL    | 3753   | Modern Chinese Literature and Culture                    | Prerequisite: junior standing. Students will read Chinese literary texts in English translation and learn about the historical, political, social, and cultural contexts in which they were produced. (Sp) [IV-NW]   |
| MLLL    | 3763   | Chinese Cinema   | Prerequisite: junior standing. Chinese films covering a wide range of historical periods and subjects will be viewed. The films screened in this class will be studied as reflections of their respective social, as well as the filmmakers' comments on and interventions of such realities. Cinematic concepts, techniques, and film theories, will be studied. (Sp) [IV-NWC]                        |
| MLLL    | 3823   | German Culture and Thought                               | Prerequisite: junior standing. Introduces major themes in German cultural history and analytical tools students can bring to the further study of German and/or other European literatures and cultures in translation. Specific topics may vary. (F) [IV-WC]  |
| MLLL    | 3843   | 20th-Century European Culture and Identity               | Prerequisite: junior standing. Offers and overview of twentieth-century European culture and identity. Students are made aware of a culture and people different from the United States. In an attempt to understand what makes Europe a unique entity, we will examine how political, social, and economic forces and events in Europe relate to cultural ideas and artistic productions. (F) [IV-WC] |
| MLLL    | 3853   | The Rise of Romanticism                                  | Prerequisite: Honors' standing. Study of the rise of Romanticism by reading European literary, theoretical, and philosophical texts with emphasis on material from particular Romantic movements. Education, changing relationships and gender will be given consideration. (Irreg.) [IV-WC]   |
| MLLL    | 3960   | Honors Reading   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp)   |
| MLLL    | 3970   | Honors Seminar   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| MLLL    | 3980   | Honors Research  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the Honors candidate to work on a special project in the student's field. (F, Sp)   |
| MLLL    | 3990   | Independent Study  | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| MLLL    | 3999   | Upper Division Transfer Credit                           | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| MLLL    | 4003   | Movements in World Literature                            | (Crosslisted with ENGL 4003) Prerequisite: junior standing. May be repeated with change of subject matter; maximum credit nine hours. Focuses on texts within a literary movement (literature other than canonical American or British). Also attention to critical and theoretical questions about concepts such as genre, nation, national building, national identity, etc. (Irreg.) [IV-WC]   |
| MLLL    | 4063   | Early Literary Criticism                                 | (Slashlisted with 5063) Prerequisite: junior standing and English 1213. Establishes a solid critical foundation of aesthetics that will enable graduate and advanced undergraduate students to deal with fundamental ideas; aesthetic and social. Emphasis on rhetoric and discourse during the second part of the semester will also enable all students to write strategically and develop effective communication skills. No student may earn credit for both 4063 and 5063. (F)                       |
| MLLL    | 4173   | Introduction to Francophone Literatures in Translation   | Prerequisite: senior standing. Examines the literary, social, and political issues forefronted by the Francophone literatures of West Africa, the Caribbean, and Polynesian Islands, Maghreb (chiefly Algeria, Tunisia, Morocco), and Quebec. (Sp) [IV-NW]  |
| MLLL    | 4453   | Introduction to Chinese Language and Linguistics         | Prerequisite: Chinese 1115 and Chinese 1225, or Linguistics/Anthropology 2303 and Linguistics/Anthropology 3033. Introduces the fundamentals of Chinese phonology, morphology, syntax, the writing system, and the language's interaction with culture and society. Provides acquisition of a basic understanding of the structure of Chinese language and its social-cultural meanings and the ability to discuss various issues related to Chinese language. Lectures will be delivered in English. (F) |
| MLLL    | 4753   | Language, Culture and Cognition                          | Prerequisite: junior standing. Cognitive science holds that the human mind is inherently embodied and abstract concepts are largely metaphorical. This course will introduce the cognitive view of metaphor and how it plays a critical role in language and cognition in the cultural context. Also pursues a cross-linguistic and cross-cultural perspective on the study of languages as a window into cognition and culture. (Irreg.)   |
| MLLL    | 4813   | Principles and Techniques of Teaching a Foreign Language | (Slashlisted with 5813) Prerequisite: four semesters of a foreign language or admission to the foreign language education major. Provides participants with practical experience in the teaching of foreign languages and introduces key issues in the teaching of foreign languages. Also introduces issues in teaching methodology and key issues in classroom language acquisition research. No student may earn credit for both 4813 and 5813. (F, Sp)  |
| MLLL    | 4950   | Special Topics in World Literature Today                 | 1 to 3 hours. Prerequisite: English 1213 and permission of instructor. May be repeated with change of content; maximum credit six hours. In-depth study of selected contemporary international writers/jurors who visit campus as part of the Neustadt and/or Puterbaugh symposiums for world literature today. (Irreg.)  |
| MLLL    | 4960   | Directed Readings  | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| MLLL    | 4970   | Seminar  | 1 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit six hours. Varied topics in literature in English translation. (Irreg.)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| MLLL    | 4990   | Independent Study  | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| MLLL    | 4993   | Epics of India: Ramayana and Mahabarata                  | Prerequisite: junior standing. Reading of the two great epics of India. Special attention will be paid to narrative structure and the role of the storyteller. The course involves extensive weekly reading along with weekly writing assignments and a semester-long research project which students will publish on the internet (no previous web publishing experience is required. (Sp) [IV-NW]  |
| MLLL    | 5063   | Early Literary Criticism                                 | (Slashlisted with 4063) Prerequisite: graduate standing. Establishes a solid critical foundation of aesthetics that will enable graduate and advanced undergraduate students to deal with fundamental ideas; aesthetic and social. Emphasis on rhetoric and discourse during the second part of the semester will also enable all students to write strategically and develop effective communication skills. No student may earn credit for both 4063 and 5063. (F) |
| MLLL    | 5073   | Contemporary Literary Criticism                          | An introduction to contemporary linguistic, psychoanalytic and sociological literary theory and criticism. Readings and discussions will include questions of methodology and will demonstrate how these methods can be applied to particular texts. (Sp)  |
| MLLL    | 5173   | Introduction to Francophone Literatures in Translation   | Prerequisite: graduate standing. Examines the literary, social, and political issues fore-fronted by the Francophone literatures of West Africa, the Caribbean, and Polynesian Islands, Maghreb (chiefly Algeria, Tunisia, Morocco), and Quebec. (Sp)  |
| MLLL    | 5813   | Principles and Techniques of Teaching a Foreign Language | (Slashlisted with 4813) Prerequisite: graduate standing. Provides participants with practical experience in the teaching of foreign languages and introduces key issues in the teaching of foreign languages. Also introduces issues in teaching methodology and key issues in classroom language acquisition research. No student may earn credit for both 4813 and 5813. (F, Sp)   |
| MLLL    | 5910   | Problems in Research                                     | 2 to 4 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit four hours. An individual course of intensive research with the area and problem to be determined by the student and directing instructor. (Irreg.)   |
| MLLL    | 5920   | Field Research in Foreign Language Education             | 1 to 3 hours. Prerequisite: 5833. Classroom oriented field research on the use of various methods of teaching foreign language in the classroom. Possible topics include aspects of language acquisition, evaluation, proficiency, communicative methods in foreign language education. (F, Sp, Su)  |
| MLLL    | 5960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| MLLL    | 5970   | Special Topics/Seminar                                   | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| MLLL    | 5990   | Independent Study  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| MLLL    | 5999   | Graduate Level Transfer Credit                           | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| MRS     | 1999   | Lower Division Transfer Credit                           | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title                                       | Course Description  |
|---------|--------|---|---|
| MRS     | 3023   | Exploring Medieval and Renaissance Studies  | Prerequisite: junior standing or above, or permission of instructor. Provides an overview of the history, literature, art, and music of the Middle Ages and Renaissance, including hands-on work with medieval manuscripts and early printed books. This course will be taught by a series of faculty lecturing in their area of expertise, coordinated by a faculty member who will be present at every class and will serve as instructor of record. (Irreg.)[IV-WC]        |
| MRS     | 3440   | Mentored Research Experience                | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| MRS     | 3960   | Honors Reading                              | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| MRS     | 3970   | Honors Seminar                              | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| MRS     | 3980   | Honors Research                             | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| MRS     | 3990   | Independent Study                           | Prerequisite: junior standing or above and permission of instructor. May be repeated; maximum credit six hours. Independent study on a topic in medieval and/or Renaissance studies. (F, Sp)  |
| MRS     | 3999   | Upper Division Transfer Credit              | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| MRS     | 4903   | Seminar in Medieval and Renaissance Culture | Prerequisite: junior standing or above, or permission of instructor. May be repeated once with change of content; maximum credit six hours. Specialized study in selected topics in medieval and Renaissance culture. This course may be taught by an individual faculty member or by a series of faculty lecturing in their area of expertise, coordinated by a faculty member who will be present at every class and will serve as instructor of record. (Irreg.)           |
| MRS     | 4960   | Directed Readings                           | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| MRS     | 4970   | Special Topics/Seminar                      | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| MRS     | 4990   | Independent Study                           | Prerequisite: junior standing or above and permission of instructor. May be repeated; maximum credit six hours. Independent study on a topic in medieval and/or Renaissance studies. (F, Sp)  |
| MRS     | 5999   | Graduate Level Transfer Credit              | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| MTHR    | 1102   | Tap Foundations                             | Introduction to the basic concepts of tap dance. Students learn step development, basic rhythms, and the rudiments of placement, balance, and weight change. (F, Sp)  |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| MTHR    | 1112   | Tap I                          | (Crosslisted with DANC 1112) Prerequisite: 1212 and permission of instructor. May be repeated; maximum credit four hours. A beginner class emphasizing tap fundamentals and terminology that includes weight change, proper placement and simple step patterns. The course concentrates on basic rhythms, counting, ear training and clarity of sound. (F, Sp)  |
| MTHR    | 1402   | Jazz Foundations               | Introduction to the basic concepts of jazz movement. Students learn basic motor skills used in musical theatre and focus on the rudiments of placement, alignment, flexibility, and assimilation. (F, Sp)   |
| MTHR    | 1442   | Jazz I                         | (Crosslisted with DANC 1442) Prerequisite: 1212 and permission of instructor. May be repeated; maximum credit four hours. A beginner class that provides the student with a comprehensive understanding of the technical fundamentals of jazz dance including basic rhythms, vocabulary and skills. Focus is aimed towards proper placement, strength and flexibility development. (F, Sp)  |
| MTHR    | 1501   | Music Theory Notation          | Prerequisite: admission to Musical Theatre program. Lecture/discussion class to enhance the ability to read music and attain a general understanding of the theory of music, including treble and bass clefs, major and minor scales, diatonic intervals and chords. A rhythmic component is added to attain mastery of simple and compound meters. (F)   |
| MTHR    | 1502   | Studio Voice I                 | Prerequisite: majors only. May be repeated; maximum credit six hours. Establishing basic vocal technique for musical theatre singing, including vocal exercises and breathing technique. Application of technique through the study of beginning level Broadway up-tempos and ballads as well as English art song and American folk song. (F, Sp)   |
| MTHR    | 1551   | Sight Reading and Theory       | Prerequisite: admission to Musical Theatre program. Lab practice of theory, rhythm and pitch recognition, including the ability to perform diatonic intervals, ascending/descending, as well as simple/compound rhythms in both division and subdivision. (Sp)  |
| MTHR    | 1911   | Rehearsal and Production       | (Crosslisted with DRAM 1911) Prerequisite: Majors only. May be repeated; maximum credit four hours. Study, practice and participation in every phase of dramatic production work and management; attendance and critical discussion of plays. Kinds of service are given unit evaluations in terms of relative difficulty and time consumption. Laboratory (F, Sp, Su).   |
| MTHR    | 1999   | Lower Division Transfer Credit | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| MTHR    | 2101   | Performance Practicum          | Prerequisite: permission of instructor. May be repeated; maximum credit four hours. Study and practice in rehearsal and performance as a cast member in musical theatre productions including cabaret work of the freshman/sophomore level. (F, Sp)   |
| MTHR    | 2112   | Tap II                         | (Crosslisted with DANC 2112) Prerequisite: 1112 and permission of instructor. May be repeated; maximum credit four hours. An advanced beginner class that maintains focus on proper placement and clarity of sound while introducing more complicated rhythms, step patterns and vocabulary. Counting and ear training continues as the student hones assimilation skills. Focus is placed on tap dynamics including accenting, shading and movement quality. A variety of styles will be introduced. (F, Sp) |
| MTHR    | 2122   | Auditions                      | Prerequisite: permission of instructor. An introduction to musical theatre performance through the practice of auditioning. Study involves an overview of song form, style, and composers. Assignments include casting notices, resume format and research tools. Emphasis is placed on assembling a portfolio of song cuttings. (Sp)   |
| MTHR    | 2222   | Core Practice                  | Prerequisites: departmental permission. May be repeated; maximum credit 12 hours. Designed to provide physical conditioning for musical theater performers. Included in the training will be C.O.R.E. principles (Corrective Oppositional Resistance Exercise), injury prevention, circuit training, kinesiological awareness designed to improve students' level of dance and mind/body connection. (F, Sp)  |

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|---------|--------|-------------------------------------|---|
| MTHR    | 2442   | Jazz II                             | (Crosslisted with DANC 2442) Prerequisite: 1442 or permission of instructor. May be repeated; maximum credit four hours. This advanced beginner class expands on the techniques learned in Jazz I with focus on cleanly executed technique, well connected movement quality, dynamics and increased strength and flexibility. A variety of jazz styles will be introduced. (F, Sp)  |
| MTHR    | 2502   | Studio Voice II                     | Prerequisite: majors only; MTHR 1502. May be repeated; maximum credit six hours. Continuing practice of vocal technique for musical theatre singing; includes developing range, flexibility and tone color. Application of technique through the study of intermediate level Broadway up-tempos and ballads, as well as Italian art song and European operetta. (F, Sp)   |
| MTHR    | 2552   | Singing for the Stage               | Prerequisite: permission of instructor. Class is designed for non-majors only. May be repeated; maximum credit eight hours. Vocal technique for musical theatre singing, including technical exercises and application through the study of songs. (F, Sp)  |
| MTHR    | 3112   | Tap III                             | (Crosslisted with DANC 3112) Prerequisite: 2112 or permission of instructor. May be repeated; maximum credit six hours. An intermediate class with focus placed on refinement of technical and assimilation skills while dramatically increasing tap vocabulary. Students focus on tap dynamics, performance quality, style variety and movement coordination while learning longer and more complicated step patterns. Tap improvisation is introduced. (Irreg.) |
| MTHR    | 3132   | Repertoire                          | Prerequisite: 2121 or permission of instructor. Investigation of Broadway and Hollywood songwriting during the first half of the 20th Century. Performance material will consist of songs appropriate for the student's vocal range. Study includes critical listening to period recordings. (F)  |
| MTHR    | 3142   | Song Study I                        | Prerequisite: 2122 or permission of instructor. Development of musical theatre performance technique through the study of solo song. Study includes exploring aspects of interpretation and expression to support the vocal, physical and mental aspects of performing. Emphasis is placed on integrating singing and acting skills. (F)  |
| MTHR    | 3143   | History of American Musical Theatre | Prerequisite: English 1213. Surveys history of the American musical theatre from its beginnings in the late 19th century to the present. (F, Sp) [IV-AF]  |
| MTHR    | 3152   | Song Study II                       | Prerequisite: 3142. Expand analytical and performance skills through extended song forms. Study includes breath, body and visualization techniques to continue integrating vocal, physical and mental aspects of performing. (Sp)   |
| MTHR    | 3162   | Repertoire I                        | Prerequisite: Musical Theatre majors only, MTHR 3152. Investigation of Broadway and Hollywood songwriting during the first half of the 20th Century. Performance material will consist of songs appropriate for the student's vocal range. Study includes critical listening to period recordings. (F)  |
| MTHR    | 3172   | Repertoire II                       | Prerequisite: Musical Theatre majors only, MTHR 3162. Exploration of musical theatre repertoire from the second half of the 20th Century. Performance material will consist of songs appropriate for the student's vocal and physical range. Study includes viewing performances of artists from the Broadway stage. (Sp)   |
| MTHR    | 3182   | Musical Scenes I                    | Prerequisite: 3152 or permission of instructor. Application of musical theatre performance technique utilizing scenes from the Broadway stage. Study includes using show research and script analysis to develop characterization. Emphasis is placed on creating unified performance both dramatically and musically. (F)  |
| MTHR    | 3192   | Musical Scenes II                   | Prerequisite: 3182. Application of musical theatre performance skills using contemporary scenes from the Broadway stage. Study includes larger scene-song forms including one-acts or new-works from the musical theatre. (Sp)  |



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|---------|--------|--------------------------------|---|
| MTHR    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| MTHR    | 3442   | Jazz III                       | (Crosslisted with DANC 3442) Prerequisite: 2442 or permission of instructor. May be repeated; maximum credit four hours. An intermediate class that moves at a heightened pace, this level expands on the techniques learned in Jazz II. Additional focus is placed on style variety, assimilation skills, and more advanced movement coordination and rhythms. (Irreg.)  |
| MTHR    | 3502   | Studio Voice III               | Prerequisite: 2502. May be repeated; maximum credit four hours. Broadening development of vocal technique for musical theatre singing; includes learning to blend the vocal registers for healthy tone production. Application of technique through the study of advanced level Broadway up-tempos and ballads, as well as German art song and American operetta. (F, Sp)   |
| MTHR    | 3960   | Honors Reading                 | Prerequisite: admission to Honors program and permission of instructor. Consists of either reading topics or independent study designated by the instructor in keeping with the student's major program. Covers materials not usually presented in the regular courses. (F, Sp)   |
| MTHR    | 3970   | Honors Seminar                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| MTHR    | 3980   | Honors Research                | Prerequisite: admission to Honors program and permission of instructor. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp)  |
| MTHR    | 3990   | Independent Study              | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| MTHR    | 3999   | Upper Division Transfer Credit | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| MTHR    | 4101   | Advanced Performance Practicum | Prerequisite: junior or senior standing and permission of instructor. May be repeated; maximum credit four hours. Study and practice in rehearsal and performance as a cast member in musical theatre productions, including mainstage or cabaret/revue participation during the junior and senior years. (F, Sp)   |
| MTHR    | 4112   | Tap IV                         | (Crosslisted with DANC 4112) Prerequisite: 3112 or permission of instructor. May be repeated; maximum credit four hours. This advanced class furthers the tap dancer's vocabulary, refines technical skills, greatly increases assimilation ability and furthers the study of tap improvisation. (Irreg.)   |
| MTHR    | 4172   | Theatre Dance Styles I         | Prerequisite: 2112 and 2442, and senior standing, or permission of instructor. A practical and historical study of the Broadway dance styles. The main focus is in the jazz idiom; however, strong ballet, jazz, and tap skills are required. Emphasis is placed on technique, performance quality and auditioning skills. (F)  |
| MTHR    | 4173   | Coaching                       | Prerequisite: senior standing and permission of instructor. Advanced techniques of musical theatre performance through individual coaching. Study includes developing a song notebook appropriate to one's type for professional auditions and assignments related to working in the Broadway profession. Emphasis is placed on presenting a variety of musical and dramatic styles. (F)  |

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| Subject | Number | Title                           | Course Description   |
|---------|--------|---------------------------------|--|
| MTHR    | 4182   | Theatre Dance Styles II         | Prerequisite: 4172. This course is a continuing study of Broadway dance styles. Strong skills in jazz, ballet, and tap are required. Emphasis placed on techniques, performance quality and auditioning skills. (Sp)   |
| MTHR    | 4183   | Capstone Experience             | Prerequisite: senior standing and permission of instructor. Requires written documentation in appropriate format. Senior year project which demonstrates mastery of skills and knowledge in musical theatre, selected under advisement and guided by appropriate faculty. (F, Sp) [V]  |
| MTHR    | 4190   | Special Studies                 | 1 to 4 hours. Prerequisite: junior standing, major in musical theatre, and permission of instructor. May be repeated with change of content; maximum credit six hours. Varying individual or small group topics or projects in the study and practice of musical theatre not covered in regularly scheduled courses. (Irreg.)  |
| MTHR    | 4252   | Advanced Tap                    | Prerequisite: 4112 or permission of instructor. May be repeated; maximum credit eight hours. Class conducted at a professional level. Step breakdown will be minimized and students will be asked to create their own choreography and work heavily in improvisation. (F, Sp)  |
| MTHR    | 4442   | Jazz IV                         | (Crosslisted with DANC 4442) Prerequisite: permission of instructor. May be repeated; maximum credit four hours. An advanced class emphasizing strong technique and assimilation skills as well as the ability to adapt to any jazz style. Continued focus is placed on flexibility, strength, dynamics, and solid performance quality. (Irreg.)   |
| MTHR    | 4452   | Advanced Jazz                   | Prerequisite: 4442 or permission of instructor. May be repeated; maximum credit eight hours. Class conducted at a professional level. Superior flexibility, strength, dynamics and advanced technique are expected. (F, Sp)  |
| MTHR    | 4502   | Studio Voice IV                 | Prerequisite: 3502. May be repeated; maximum credit four hours. Furthering development of vocal technique for musical theatre singing; includes practical application of technical skills and knowledge. Application of technique through the study of classics and contemporary Broadway up-tempos and ballads as well as French art song and American art song. (F, Sp)  |
| MTHR    | 4960   | Directed Readings               | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| MTHR    | 4970   | Special Topics/Seminar          | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| MTHR    | 4990   | Independent Study               | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| MTHR    | 5999   | Graduate Level Transfer Credit  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| MUED    | 1730   | Field Experience for 1732       | Corequisite: 1732. Students will complete ten hours of guided group field experience in public school classrooms. These observations will take place during course hours. Students not attending during these times must schedule a separate observation time with the field teacher. (F)  |
| MUED    | 1732   | Introduction to Music Education | Prerequisite: any music major; corequisite: MUED 1730. An overview of school music teaching. Designed to enable students to make early career choices. Students will observe music teaching in schools, develop a philosophy of music education, study psychological foundations as applied to music teaching, and become familiar with the total school music curriculum and its place in the school program. (F) |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| MUED    | 1740   | Field Experience for 1742                    | Corequisite: 1742. Students will complete ten hours of guided group field experience in a public school classroom. These observations and micro teaching sessions will take place during course hours. Students not attending during these times must schedule a separate observation/teaching time with the field teacher. (Sp)   |
| MUED    | 1742   | Introduction to Teaching Techniques in Music | Prerequisite: majors only, MUED 1732; corequisite: MUED 1740. Second part of two-semester course sequence in music education. Sequential process of musical development, skills, content, methods, techniques and materials in the following areas: singing voice, classroom listening, sight reading, movement, and music series books. (Sp)  |
| MUED    | 1999   | Lower Division Transfer Credit               | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| MUED    | 2112   | Instrumental Music Education Methods I       | Prerequisite: Majors only; MUTE 2242. This is the first in a series of three courses designed to prepare instrumental music education majors for public school teaching. This course focuses heavily on teaching/rehearsing and conducting in a peer setting. Advanced conducting techniques, paired with an introduction to rehearsal techniques and sequencing, are a primary focus. (Sp)  |
| MUED    | 2240   | Field Experience for Mute 2242               | Prerequisite: sophomore standing in music; corequisite for music education majors only: 2242. Students will complete ten hours of observation and guided teaching in a middle school classroom. Fieldwork will take place in addition to course hours and must be scheduled through the instrumental music education office for field experience. (F)  |
| MUED    | 2250   | Field Experience for Mute 2252               | Prerequisite: MUTE 2242; corequisite for music education majors only: MUTE 2252. Students will complete ten hours of observation and guided teaching in a high school classroom. Fieldwork will take place in addition to course hours and must be scheduled through the instrumental music education office for field experience. (Sp)  |
| MUED    | 2733   | Music in Early Childhood Education           | Music instruction-learning in the early childhood years; an application of Piaget's principles of learning and development to music curricula in the preschool education of children. (F, Sp)  |
| MUED    | 3043   | Media and Technologies of Music Instruction  | Current technologies used by music instructors in public schools: MIDI theory and applications; sequencing and composition software; sound reinforcement and recording techniques; video production; elementary graphic design and desktop publishing. (Sp)  |
| MUED    | 3113   | Instrumental Music Education Methods II      | Prerequisite: Majors only; Junior Standing; MUED 2112. This is the second in a series of three courses designed to prepare instrumental music education majors for public school teaching. This course focuses heavily on teaching/rehearsing and conducting in a peer setting, performing on secondary string and wind/percussion instruments. A continued focus on advanced conducting and rehearsal techniques is a central component of the course. (Sp) |
| MUED    | 3160   | Field Experience for 3162                    | Corequisite: 3162. Students will complete ten hours of observation and guided teaching in a beginning string classroom. Fieldwork will take place in addition to course hours and must be scheduled through the instrumental music education office for field placement. (F, Sp)   |
| MUED    | 3162   | Beginning Instruments Lab I                  | Prerequisite: majors only, MUTE 2252, corequisite: MUTE 3160. Part of a two-semester sequence intended to equip instrumental music education students with basic performance and diagnostic techniques applicable to brass, woodwind, string, and percussion instruments for beginning-level students. (F)   |
| MUED    | 3170   | Field Experience for 3172                    | Corequisite: 3172. Students will complete ten hours of observation and guided teaching in a beginning band classroom. Fieldwork will take place in addition to course hours and must be scheduled through the instrumental music education office for field placement. (F, Sp)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| MUED    | 3172   | Beginning Instruments Lab II                  | Beginning Instruments Lab II. Prerequisite: majors only, MUED 3162, corequisite: MUED 3170. Second Of A Two-Semester Sequence Intended To Equip Instrumental Music Education Students With Basic Performance And Diagnostic Techniques Applicable To Brass, Woodwind, Strings, And Percussion Instruments For Beginning-Level Students. (Sp)  |
| MUED    | 3253   | General Music Methods for Instrumental Majors | Prerequisite: Majors only; Junior standing; MUED 1732. Sequential process of music development, skills, content, methods, techniques and materials suited to students in elementary and middle school grades. The course includes at least 10 hours of observation in elementary/secondary public school music programs. (F)  |
| MUED    | 3440   | Mentored Research Experience                  | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)                                 |
| MUED    | 3720   | Field Experience for 3723                     | Corequisite: 3723. Students will complete ten hours of guided group field experience in an elementary public school classrooms. These observations will take place during course hours. Students not attending during these times must schedule a separate observation time with the field teacher. Additionally, students will complete five hours of field experience outside of class time. These placements must be coordinated through the instrumental music education office for field placement. (Sp) |
| MUED    | 3723   | Teaching Vocal Music, K-3                     | Prerequisite: Music Theory 2622. Psychological foundations, teaching techniques and materials for vocal music instruction in kindergarten through grade three. Teaching techniques used in the Kodaly, Orff and other contemporary approaches will be examined. (Sp)  |
| MUED    | 3730   | Field Experience for 3733                     | Corequisite: 3733. Students will complete 15-20 hours of group and independent teaching in a middle school classroom. Fieldwork will take place in addition to course hours and must be scheduled through the vocal/general music education office for field placement. (Irreg.)  |
| MUED    | 3733   | Teaching Vocal/General Music, 4-8             | Prerequisite: 3723. Sequential process of music development, skills, content, methods, techniques and materials suited to students in grades 4-8. Special attention given to the boys' changing voices. (F)   |
| MUED    | 3740   | Field Experience for 3743                     | Corequisite: 3743. Students will complete 15-20 hours of group and independent teaching in a high school classroom. Fieldwork will take place in addition to course hours and must be scheduled through the choral music education office for field placement. (Irreg.)   |
| MUED    | 3743   | Teaching Choral Music, 9-12                   | Prerequisite: 3733. Organization and management of choirs, repertoire appropriate to JHS/SHS choirs, rehearsal techniques, programming considerations, use of audio equipment, field experiences. (F, Sp)   |
| MUED    | 3750   | Field Experience for 3752                     | Corequisite: 3752. Students will complete twelve to thirteen hours of independent teaching in a middle school classroom. Fieldwork will take place in addition to course hours and must be scheduled through the instrumental music education office for field placement. (F)   |
| MUED    | 3752   | Teaching Instrumental Music, 4-8              | Prerequisite: junior standing in music. Materials and methods for teaching instrumental music in grades 4-8. Study on the selection of students, literature appropriate to ensemble and grade, rehearsal procedures, teaching strategies, psychological learning theory underlying teaching strategies, and evaluation of student learning. (F)   |
| MUED    | 3760   | Field Experience for 3762                     | Corequisite: 3762. Students will complete twelve to thirteen hours of independent teaching in a high school classroom. Fieldwork will take place in addition to course hours and must be scheduled through the instrumental music education office for field placement. (Sp)  |
| MUED    | 3762   | Teaching Instrumental Music, 9-12             | Prerequisite: 3752. Administrative procedures and methods for teaching instrumental music in grades 9-12. Study of literature appropriate to ensemble and grade, score preparation, teaching style, problems related to contests, festivals, trips, scheduling, and measurements and evaluation of student learning. (Sp)   |

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| Subject | Number | Title                             | Course Description  |
|---------|--------|-----------------------------------|---|
| MUED    | 3773   | Teaching Multicultural Music      | Prerequisite: junior standing in music education. Designed for the music education major as an introduction to teaching the musical art forms of diverse groups and cultures within the United States and throughout the world. Building on basic principles of contemporary learning theory, this course develops knowledge and understanding of global musical art forms through active multi-sensory teaching approaches. (Sp) |
| MUED    | 3782   | Internship in Piano Teaching      | Prerequisite or corequisite: 3783. Teaching of children from preschool through high school in groups and private lessons under faculty supervision. (F, Sp)   |
| MUED    | 3783   | Piano Pedagogy                    | Prerequisite: eight hours of piano or organ, permission. Required for piano majors and elective for other fields. Basic study of concepts necessary for successful private and class piano teaching at the elementary level. Student teaching required. (Alt. F)  |
| MUED    | 3792   | Internship in Piano Teaching      | Prerequisite or corequisite: 3782 and 3783. Continuation of teaching skills begun in 3782. Teaching of children from preschool through high school in groups and private lessons under faculty supervision. (F, Sp)   |
| MUED    | 3793   | Piano Pedagogy                    | Prerequisite: 3783. Required for piano majors and elective for other fields. Continuation of skills begun in 3783. Basic study of concepts necessary for successful private and class piano teaching at the intermediate level. Student teaching required. (Alt. Sp)  |
| MUED    | 3823   | Teaching General Music PreK-2     | Prerequisite: MUED 1732; majors only. Psychological foundations, teaching techniques and materials for vocal music instruction in pre-kindergarten through grade 2. Teaching techniques used in the Kodaly, Orff and other contemporary approaches will be examined. (F)  |
| MUED    | 3833   | Teaching Vocal/General Music 3-5  | Prerequisite: MUED 1732; majors only. Sequential process of music development, skills, content, methods, techniques and materials suited to students in grades 3-5. (Sp)  |
| MUED    | 3843   | Teaching Vocal/General Music 6-8  | Prerequisite: MUED 1732; Majors only. Sequential process of music development, skills, content, methods, techniques and materials suited to students in grades 6-8. Special attention given to the boys' changing voices. (Sp)  |
| MUED    | 3853   | Teaching Choral Music Grades 9-12 | Prerequisite: MUED 1732; majors only. Organization and management of choirs, repertoire appropriate to JHS/SHS choirs, rehearsal techniques, programming considerations, use of audio equipment, field experiences. (F)   |
| MUED    | 3960   | Honors Reading                    | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| MUED    | 3970   | Honors Seminar                    | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| MUED    | 3980   | Honors Research                   | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| MUED    | 3990   | Independent Study                 | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| MUED    | 3999   | Upper Division Transfer Credit    | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| MUED    | 4042   | Capstone Seminar                  | Prerequisite: concurrent enrollment in 4050 and 4060. The development of a teaching portfolio including a reflection log of teaching activities, written evaluations of video and audio episodes, and a summary of teaching successes and areas to be improved. (F, Sp) [V]   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| MUED    | 4050   | Teaching Experiences in the Elementary School      | Prerequisite: formal admission to student teaching; corequisite: 4042. Laboratory activities in music classes in elementary schools under competent direction and supervision: orientation, observation, and classroom teaching experiences supported by seminars and conferences focusing on the problems of teaching. Prospective teachers receive instruction, aid, and constructive supervision in classroom management, evaluation of pupil behavior, methods of teaching, selection of teaching materials, and school-home-community relations. (F, Sp) |
| MUED    | 4060   | Teaching Experiences in the Secondary School       | Prerequisite: formal admission to student teaching; corequisite: 4042. Correlation of theory and instructional practices in music classes in secondary schools; supervised observation, teaching, classroom management, and evaluation; acquaintance with the administration of a secondary school and the school program; selection and use of appropriate instructional materials; conferences with supervisors. (F, Sp)  |
| MUED    | 4113   | Instrumental Music Education Methods III           | Prerequisite: Majors only; Junior standing; MUED 3113. This is the third in a series of three courses designed to prepare instrumental music education majors for public school teaching. This course focuses on the development of diagnostic and pedagogical skills while working with students. (F)  |
| MUED    | 4752   | Marching Band Techniques                           | Prerequisite: junior standing in music education. Organization of the marching band and its instrumentation, selecting and adapting music, marching fundamentals, marching styles and trends, planning and charting half-time shows, parade routines, auxiliary units and drum major signals. (Sp)  |
| MUED    | 4762   | String Pedagogy                                    | Prerequisite: majors only; MUTE 2252 or MUTE 3252; junior standing. String teaching techniques in large and small group settings. Emphasis is on familiarizing students with teaching strategies for string classes in public schools. (Sp)   |
| MUED    | 4892   | Vocal Pedagogy & Diction for the Classroom Teacher | Prerequisite: junior standing and majors only. Study of vocal teaching techniques including anatomy of vocal tract, physiological process and acoustical properties. Repertory for high school students. (F)  |
| MUED    | 4960   | Directed Readings                                  | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| MUED    | 4970   | Undergraduate Seminar                              | 1 to 3 hours. Prerequisite: permission of department. May be repeated; maximum credit nine hours. In-depth study of topics of interest as appropriate to the field of study. Subjects such as Music in the Two-Year College, The Aesthetic Dimensions of Music Education; The Teaching of Ethnic Music; The Psychology of Music; and the like, are illustrative of the topics that may be pursued. (Irreg.)   |
| MUED    | 4990   | Independent Study                                  | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MUED    | 5212   | Research in Music Education                        | Prerequisite: graduate standing in music or music education or permission. Methods of analytical-historical research in music and historical, philosophical, descriptive and experimental research in music education. (F, Alt. Su)   |
| MUED    | 5553   | Kodaly Concept I                                   | Kodaly Concept I. Prerequisite: Graduate Standing. The Philosophy, Methodology And Techniques Of Teaching The Kodaly Concept In Music Education In Levels K - 1. (F)  |
| MUED    | 5562   | Solfège I  | Solfège I. Kodaly Techniques Applied To The Practice And Skills Of Sight Singing, Ear Training And Dictation. Sight Singing Of Unison, Homophonic And Polyphonic Examples From The Classical Music Literature. Study Of Selected Books In The Kodaly Choral Method. (Sp)  |
| MUED    | 5563   | Kodaly Concept II                                  | Prerequisite: 5553. The philosophy, methodology and techniques of teaching the Kodaly Concept of music education in levels 2-3. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| MUED    | 5572   | Solfege II                                   | Prerequisite: 5562. Advanced Kodaly techniques applied to the practice and skills of sight singing, ear training and dictation. Sight singing examples will involve modulation, chromaticism and modes. (Su)  |
| MUED    | 5573   | Kodaly Concept III                           | Prerequisite: 5563. The philosophy, methodology and techniques of teaching the Kodaly concept of music education in levels 4-6.   |
| MUED    | 5582   | Folk Song Research                           | Prerequisite: 5553. Study of musical culture in America through analysis of melodic and rhythmic structures, forms and categories of American folk songs as source material for teaching the Kodaly Concept. (Irreg.)   |
| MUED    | 5612   | Piano Pedagogy I                             | Prerequisite: graduate standing or permission. Methods, materials, curriculum building and philosophical bases for teaching piano at the college and university levels with focus on group instruction. Student teaching required. (F)  |
| MUED    | 5622   | Piano Pedagogy II                            | Prerequisite: graduate standing or permission. Methods, materials, curriculum building and philosophical bases for teaching piano at the elementary and intermediate levels. Student teaching required. (Sp)  |
| MUED    | 5642   | Internship in Piano Teaching                 | Prerequisite: graduate standing. Teaching of children's classes, college classes, adult students or private lessons under faculty supervision. Designed to give the student experience in areas where none exists. (F, Sp, Su)  |
| MUED    | 5652   | Master's Workshop in Piano Pedagogy          | Prerequisite: graduate standing and permission. A public workshop for piano teachers concentrating on teaching techniques and materials. The workshop must be at least three hours in length. Terminal degree requirement in lieu of recital. (F, Sp)   |
| MUED    | 5662   | Teaching Intermediate and Advanced Piano     | Prerequisite: graduate standing or permission. Methods, materials and curriculum building for teaching piano students at the intermediate through advanced levels. Focus will be on developing piano teaching techniques for high school and college-age students, studying repertoire that is appropriate for these students, and exploring performance practice suitable for pianists at the intermediate and advanced levels. (Alt. Sp)  |
| MUED    | 5960   | Directed Readings                            | 1 to 3 hours. Prerequisite: 18 hours of music, permission of the director of the school. May be repeated; maximum credit six hours. Individual topics in music education. (F, Sp, Su)   |
| MUED    | 5970   | Seminar in Music Education                   | 1 to 6 hours. Prerequisite: twelve hours of music education, graduate standing, or permission. May be repeated with change of subject matter; maximum graduate credit twelve hours. (F, Sp, Su)   |
| MUED    | 5980   | Research for Master's Thesis                 | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |
| MUED    | 5990   | Special Studies in Music Education           | 1 to 3 hours. Prerequisite: permission of the director of the school. May be repeated with change of subject matter; maximum credit six hours. Individual study and research in the field of music education. (F, Sp, Su)   |
| MUED    | 5999   | Graduate Level Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| MUED    | 6012   | Philosophical Foundations of Music Education | Prerequisite: graduate standing in music or music education. Students will study the writings of Mursell, Leonhard, Reimer, Elliott, and others. Students will debate the theories these authors propose and prepare written papers applying aspects of these theories to music education practice in today's schools. (Irreg.)   |
| MUED    | 6022   | Psychological Foundations of Music Education | Prerequisite: graduate standing in music or music education. Philosophies, theories, principles and concepts of learning and their implications to the teaching and learning processes in music education. The basic orientations of Associationist and Field theories will be investigated and the current status of learning theory applied to music education will be evaluated. Specific theories are those of Ausubel, Gagne, Guilford, Piaget, and Skinner and applications by Bruner, Gordon and Mursell. (Sp) |
| MUED    | 6032   | Sociological Foundations of Music Education  | Prerequisite: graduate standing in Music or Music Education. Students will read works by Adorno, Becker, Blumer, Dewey, Mead, Vygotsky, and others. Students will debate the issues and theories these authors propose and will prepare written papers applying aspects of these theories to music education practice in today's schools. (Irreg.)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| MUED    | 6212   | Measurement and Evaluation in Music Education | Prerequisite: graduate standing in music or music education. Techniques and methods of measuring and evaluating musical behavior in cognitive, affective and psychomotor domains. (Sp)  |
| MUED    | 6222   | Qualitative Research in Music Education       | Prerequisite: graduate standing in music or music education. Required for the Music Education Ph.D. curriculum. Course assignments review qualitative research techniques applied to problems in music education. Students will study questionnaire development, interview formats, case study reporting, triangulation methods, and oral history methodologies. (Irreg.)   |
| MUED    | 6242   | Quantitative Research in Music Education      | Prerequisite: graduate standing in music or music education. Required for the Music Education Ph.D. curriculum. Course assignments review empirical research techniques applied to problems in music education. Students study research design, population sampling, statistical formulae for analyzing data, and advanced statistical techniques such as factor analysis and regression analyses. (Irreg.)                             |
| MUED    | 6442   | Current Trends in Music Education             | Prerequisite: graduate standing in music or music education, permission. Identification and evaluation of current trends in music teaching. Individual projects expected. (Alt. F)  |
| MUED    | 6652   | Doctoral Workshop in Piano Pedagogy           | Prerequisite: doctoral standing and permission. A public workshop for piano teachers concentrating on teaching techniques and materials. The workshop must be a least five hours in length. Terminal degree requirement in lieu of recital. (F, Sp, Su)   |
| MUED    | 6960   | Directed Readings                             | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| MUED    | 6970   | Special Topics/Seminar                        | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| MUED    | 6980   | Research for Doctoral Dissertation            | (F, Sp, Su)   |
| MUED    | 6990   | Independent Study                             | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MUHI    | 4970   | Undergraduate Seminar                         | Undergraduate Seminar. 1 To 3 Hours. Prerequisite: Permission Of Department. In-Depth Study Of Topics Of Interest As Appropriate To The Field Of Study. Subjects Such As The Style, Aesthetics And Influence Of A Particular Composer, I.E., Beethoven, Berio, Brahms; The Social/Cultural Foundations Of A Particular Musical Era Or Period; Notational Systems And The Like, Are Illustrative Of The Topics That May Be Pursued. (Sp) |
| MUHI    | 5960   | Directed Readings                             | Directed Readings. 1 To 3 Hours. Prerequisite: Eighteen Hours Of Music, Permission Of The Director Of The School. May Be Repeated; Maximum Credit Six Hours. Individual Topics In Music History And Literature. (F, Sp, Su)   |
| MUHI    | 5970   | Seminar In Music History                      | Seminar In Music History. 1 To 4 Hours. Prerequisite: Thirty Hours Of Music Or Permission. May Be Repeated With Change Of Subject Matter; Maximum Graduate Credit Twelve Hours. (F, Sp, Su)   |
| MUHI    | 5980   | Research For Master's Thesis                  | Research For Master's Thesis. Variable Enrollment, Two To Nine Hours; Maximum Credit Applicable Toward Degree, Four Hours. Music Television Emphasis Also Requires The Production Of A Half-Hour Broadcast-Quality Television Program As Part Of Thesis Research. (F, Sp, Su)   |
| MUHI    | 5990   | Special Studies In Music History              | Special Studies In Music History. 1 To 3 Hours. Prerequisite: Thirty Hours Of Music, Permission Of The Director Of The School. May Be Repeated With Change Of Subject Matter; Maximum Graduate Credit Six Hours. Individual Study, Research And Analysis. (F, Sp, Su)   |
| MULI    | 1999   | Lower Division Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |



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|---------|--------|--|---|
| MULI    | 2970   | Special Topics in Music Literature             | Majors only. 1 to 3 hours. May be repeated with change of subject matter; maximum credit nine hours. Content changes each semester. Study of newly developed, experimental or interdisciplinary topics in music literature. (Irreg.)  |
| MULI    | 3440   | Mentored Research Experience                   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| MULI    | 3999   | Upper Division Transfer Credit                 | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| MULI    | 4242   | The History of the American Theatre Pipe Organ | (Slashlisted with 5242) Prerequisite: Majors only. A historical survey of the development of the theatre pipe organ as a medium for entertainment, as well as its social impact on American culture and beyond. No student may earn credit for both 4242 and 5242. (Fall, alternating years)  |
| MULI    | 4453   | Organ Literature                               | Prerequisites: Junior standing; majors only. A general survey of organ literature, composers, performers, builders and instruments from the Baroque period through modern times. The course goal is for students to be able to identify style characteristics of periods in general and composers in particular, as well as trends in organ building and how those trends influenced composers and performers. (Irreg.)   |
| MULI    | 4523   | Keyboard Literature                            | Prerequisite: Music History 2313, 2323, 3333, or permission. (Alt. F)   |
| MULI    | 4533   | Keyboard Literature                            | Prerequisite: Music History 2313, 2323, 3333, or permission. (Alt. Sp)  |
| MULI    | 4543   | Introduction to Vocal Literature               | Prerequisite: junior standing in music. Provides an introduction to art song literature for the solo voice. Repertoire in Italian, German, French, English, Spanish, and Russian will be included. The main emphasis will be on songs for the solo voice; some examples from opera, oratorio, and vocal chamber music will also be discussed. (Irreg.)  |
| MULI    | 4612   | Harp Orchestral Literature                     | Prerequisite: majors only, junior standing. This course is designed to prepare the harp student for orchestral auditions. Classes will consist of learning a book of standard orchestral audition excerpts, studying scores, and listening to audition excerpts. (Irreg.)   |
| MULI    | 4960   | Directed Readings                              | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| MULI    | 4970   | Undergraduate Seminar                          | 1 to 3 hours. Prerequisite: permission of department. In-depth study of topics of interest as appropriate to the field of study. May be repeated; maximum credit nine hours. Subjects such as The Art Song since 1950; The Symphonic Music of Charles Ives; Songs of the American Revolution; Music of the American Theatre; The String Quartets of Haydn; and the like, are illustrative of topics that may be offered. (F, Sp)  |
| MULI    | 4990   | Independent Study                              | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MULI    | 5242   | The History of the American Theatre Pipe Organ | (Slashlisted with 4242) Prerequisites: Graduate Standing. Majors only. A historical survey of the development of the theatre pipe organ as a medium for entertainment as well as its social impact on American culture and beyond. No student may earn credit for both 4242 and 5242. (Fall, alternating years)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| MULI    | 5453   | Organ Literature I: Renaissance and Baroque                        | Prerequisite: graduate standing, for majors only. A study of organ literature from its origins to 1750 through analysis, readings, listening, and lectures. Students will examine the relationships between the music and the organs of the time. Emphasis will also be placed on the role of organ music in the surrounding culture, both musical and social. (Irreg.)                            |
| MULI    | 5463   | Organ Literature II: 1750-1900                                     | Prerequisites: graduate standing, for majors only. A study of organ literature from 1750 to 1900 through analysis, readings, listening, and lectures. Students will examine the relationships between the music and the organs of the time. Emphasis will also be placed on the role of organ music in the surrounding culture, both musical and social. (Irreg.)                                  |
| MULI    | 5473   | Organ Literature III: 1900-Present                                 | Prerequisite: graduate standing, for majors only. A study of organ literature from 1900 to the present through analysis, readings, listening, and lectures. Students will examine the relationships between the music and the organs of the time. Emphasis will also be placed on the role of organ music in the surrounding culture, both musical and social. (Irreg.)                            |
| MULI    | 5483   | Hymnody  | Prerequisite: graduate standing or permission. A historical survey of the development of Christian hymnody from the early/Byzantine period through current times. Includes lectures and analysis of texts, tunes and other primary source material. Hymns will be studied in their historical and social context. Students will also examine the role of hymns in western art music. (F, Sp)       |
| MULI    | 5960   | Directed Readings  | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| MULI    | 5970   | Seminar in Music Literature  | 1 to 4 hours. Prerequisite: 30 hours of music, graduate standing or permission. May be repeated with change of subject matter; maximum graduate credit 12 hours. (F, Sp)   |
| MULI    | 5990   | Special Studies  | Prerequisite: graduate standing; permission of the director of the school. May be repeated with change of subject matter; maximum credit six hours. Individual study and research in the field of music literature. (F, Sp, Su)  |
| MULI    | 5999   | Graduate Level Transfer Credit                                     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| MUNM    | 1022   | Beginning Instrument/Voice Class I                                 | For non-music majors with no experience in the instrument/voice only. May be repeated for credit; maximum credit eight hours. Class instruction in basic performance/musicianship skills. This course does not count for major credit in the School of Music. (F, Sp)  |
| MUNM    | 1032   | Beginning Instrument/Voice Class II                                | Prerequisite: 1022 or permission. For non-music majors with limited instrumental/vocal experience only. May be repeated for credit; maximum credit eight hours. Class instruction in basic performance/musicianship skills. This course does not count for major credit in the School of Music. (F, Sp)  |
| MUNM    | 1100   | Freshman and/or Sophomore Piano, Violin, Etc., for Nonmusic Majors | 1 to 2 hours. Prerequisite: permission of instructor. Enrollment is subject to faculty availability and will not be accepted until the first day of classes. Private instruction in the development of instrumental or vocal performance skills and musicianship. This course does not count for major credit in the School of Music. (F, Sp, Su)  |
| MUNM    | 1113   | The Understanding of Music   | Open to non-music majors. A course in music appreciation covering all of the important fields of music, with opportunity for the students to listen to recordings and to attend concerts. This course does not count for major credit in the School of Music. (F, Sp, Su) [IV-AF]  |
| MUNM    | 1143   | American Popular Music   | A study of the evolution of popular music found in America from the early minstrel shows of the nineteenth century through the current trends of today. Students will be expected to listen to and identify music from a variety of musical styles. The social and historical contexts in which this music was performed and composed will also be examined as part of the course. (F, Sp) [IV-AF] |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| MUNM    | 1743   | Experiencing Music  | Designed as an introduction to the varied strands of folk music in America. Involves examination of the historical, cultural and social implications of American folk songs; performance and analysis of folk songs as musical art forms; and the link between folk songs and large-scale contemporary musical compositions. This course does not count for major credit in the School of Music. (F, Sp) [IV-AF]   |
| MUNM    | 1999   | Lower Division Transfer Credit                                | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| MUNM    | 2313   | History of Jazz   | Open to non-music majors. Detailed and specific study of jazz as a major musical art form. Studies the logical musical developments of jazz pointing out the important elements comprising the individual styles as they have evolved. Evolution and cultural ties are made through representative masterworks by master performers. Critical listening and evaluation are a major element. No prior knowledge of terms or techniques is necessary. This course does not count for major credit in the School of Music. (F, Sp, Su) [IV-AF]  |
| MUNM    | 2413   | Music in Film   | A "grand tour" of the esthetics and dramatic techniques of film music since 1895. Excerpts from commercial "silent era" and "sound era" films will be viewed and studied as examples of film music development and the composer's art. (Irreg.) [IV-AF]  |
| MUNM    | 2513   | Music in the Rock Era: Heavy Metal                            | This course covers the globally popular yet often socially and critically maligned rock music genre of heavy metal from its inception in the late 1960s to the present day. We will cover musical characteristics associated with the style, investigate its fan culture, social impact, and meaning, and explore its interaction with the music industry. Related musical styles will be discussed to give additional points of reference. Previous knowledge of music and the heavy metal genre is not required. The development of critical thinking and listening skills is an important element of this class. (Sp, Su) [IV-AF] |
| MUNM    | 2970   | Special Topics in Music                                       | Open to non-music majors. 1 to 3 hours. May be repeated with change of subject matter; content changes each semester. Study of newly developed, experimental or inter-disciplinary topics in music. This course does not count for major credit in the School of Music.  |
| MUNM    | 3100   | Junior and/or Senior Piano, Violin, etc., for Nonmusic Majors | 1 to 2 hours. Prerequisite: permission of instructor. Enrollment is subject to faculty availability and will not be accepted until the first day of classes. Private instruction in the development of instrumental or vocal skills and musicianship. This course does not count for major credit in the School of Music. (F, Sp, Su)  |
| MUNM    | 3113   | World Music   | Prerequisite: junior standing. Study of music and human culture focusing on tribal, folk, popular and oriental (non-Western) music. Several representative societies will be explored in depth. Field study, music-making projects, and analysis of live performances of ethnic music are included. This course does not count for major credit in the School of Music. (F, Sp, Su) [IV-NW]  |
| MUNM    | 3213   | Native American Music   | Prerequisite: junior standing. Study of Native American music of the North American continental United States (with special emphasis on music of the Plains tribes). Field study, instrument building, analytical essays of live performances and a high level of aural classroom experience will be included. This course does not count for major credit in the School of Music. [IV-NW]   |
| MUNM    | 3313   | African Repercussions   | (Crosslisted with MUS 3313) Prerequisite: junior standing; Open to non-music majors. Study of music culture focusing on the African impact. Several areas of influence explored in depth include African traditional music, Afro Pop, Reggae and Caribbean fusion, American black gospel, rhythm and blues, and jazz. Written analyses on recorded and live music are emphasized. This course does not count for major credit in the School of Music. (F, Sp) [IV-NW]  |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| MUNM    | 3413   | Music of the Pacific Rim       | Prerequisite: junior standing. Open to non-music majors. Music cultures of the Pacific Rim including Japan, Southeast Asia, Indonesia, Pacific Islands and Australia. Cultural context and aesthetic elements of the music will be examined. Western music terminology will serve as a point of departure as a new music vocabulary and mindset are developed and used as part of written reports and class discussions. This course does not count for major credit in the School of Music. (F, Sp) [IV-NW]  |
| MUNM    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| MUNM    | 3513   | Music of South Asia            | Prerequisite: junior standing. Focuses on music cultures of South Asia with particular emphasis on the Indian subcontinent. Examines the musical qualities and cultural meaning of Northern (Hindustani) and Southern (Karnatak) classical styles as well as regional folk, popular (film), temple music, and devotional music. (F, Sp) [IV-NW]   |
| MUNM    | 3613   | Middle Eastern Music           | Prerequisite: junior standing. A study of the musical systems observed in the larger Arab world and parts of the Mediterranean. Explores overarching concepts of melody and rhythm in Middle Eastern music, namely the maqam and iqa', and their manifestation in various musical cultures of the East Arab world, North Africa, Turkey, and the Balkans. Topics will include gender and music-making in the Middle East; star-system and ethno-pop in Egypt; music and the intersection of Islamic, Judaic, and Christian religions; and, musical cross-influences in Greece, Turkey and the Balkans. Includes various pedagogical approaches such as class listening and musical analysis, reading and critical discussion, as well as video, live demonstrations, and workshops. This course does not count for major credit in the School of Music. (F, Sp) [IV-NW] |
| MUNM    | 3960   | Honors Reading                 | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| MUNM    | 3970   | Honors Seminar                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| MUNM    | 3980   | Honors Research                | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| MUNM    | 3990   | Independent Study              | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| MUNM    | 3999   | Upper Division Transfer Credit | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| MUNM    | 4210   | Special Topics in Music        | 1 to 3 hours. Prerequisite: 1113. May be repeated with change of topic; maximum credit six hours. Special topics in music and music history requiring writing projects and listening activity. Topics typically will treat periods of musical history, style, and related topics. This course does not count for major credit in the School of Music. (F, Sp, Su)   |
| MUNM    | 4960   | Directed Readings              | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| MUNM    | 4970   | Undergraduate Seminar                            | Open to non-music majors. 1 to 3 hours. Prerequisite: 1113 or permission of instructor. May be repeated with change of subject matter; content changes each semester. Study of newly developed, experimental or inter-disciplinary topics in music. This course does not count for major credit in the School of Music. (Irreg.)  |
| MUNM    | 4990   | Independent Study                                | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MUNM    | 5100   | Graduate Piano, Violin, etc. for Nonmusic Majors | 1 to 2 hours. Prerequisite: graduate standing and permission; four semesters of previous study in the instrument or voice. Enrollment is subject to faculty availability and will not be accepted until the first day of classes. Private instruction in the development of instrumental or vocal skills and musicianship. This course does not count for major credit in the School of Music. (F, Sp, Su)  |
| MUNM    | 5960   | Directed Readings                                | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| MUNM    | 5970   | Special Topics/Seminar                           | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| MUNM    | 5990   | Independent Study                                | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MUNM    | 5999   | Graduate Level Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| MUS     | 1999   | Lower Division Transfer Credit                   | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| MUS     | 2970   | Special Topics in Music                          | 1 to 3 hours. May be repeated with change of subject matter; content changes each semester. Study of newly developed, experimental, or inter-disciplinary topics in music.  |
| MUS     | 3313   | African Repercussions                            | (Crosslisted with MUNM 3313) Prerequisite: Junior Standing. Open to non-music majors. Study of music culture focusing on the African impact. Several areas of influence explored in depth include African traditional music, Afro Pop, Reggae and Caribbean fusion, American black gospel, rhythm and blues, and jazz. Written analyses on recorded and live music are emphasized. This course does not count for major credit in the School of Music. (F, Sp)                |
| MUS     | 3440   | Mentored Research Experience                     | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| MUS     | 3960   | Honors Reading                                   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of subject; maximum credit six hours. Consists of either reading topics or independent study designated by the instructor in keeping with the student's major program. Covers materials not usually presented in the regular courses. (F, Sp, Su)  |
| MUS     | 3980   | Honors Research                                  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated with change of subject; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |

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| Subject | Number | Title                              | Course Description  |
|---------|--------|------------------------------------|---|
| MUS     | 3990   | Independent Study                  | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| MUS     | 3999   | Upper Division Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| MUS     | 4023   | Senior Capstone - BA Degree        | Prerequisites: majors only; MUTH 2622; and permission. Research and reading leading to a senior capstone paper in consultation with individual faculty. (F, Sp) [V]   |
| MUS     | 4960   | Directed Readings                  | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| MUS     | 4970   | Undergraduate Seminar              | 1 to 3 hours. Prerequisite: permission of department. May be repeated; maximum credit six hours. In-depth study of topics of interest. Subjects such as The Aesthetics of Music; Musical Criticism; Music in American Culture; Music of the American Indians; The Band as a Cultural Phenomenon; and the like, are illustrative of the topics that may be pursued. (Irreg.) |
| MUS     | 4990   | Independent Study                  | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MUS     | 5112   | Bibliography and Research in Music | Prerequisite: graduate standing in music or music education. General and music bibliography; development of research skills in music. (F)   |
| MUS     | 5960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| MUS     | 5970   | Special Topics/Seminar             | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| MUS     | 5990   | Independent Study                  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MUS     | 5999   | Graduate Level Transfer Credit     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| MUS     | 6880   | Doctor of Musical arts Project     | 2 to 8 hours. Prerequisite: admission to DMA degree program; permission of adviser and instructor. Research and/or creative endeavor leading to the completion of the final written project for the degree Doctor of Musical Arts. (F, Sp, Su)  |
| MUS     | 6960   | Directed Readings                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| MUS     | 6970   | Special Topics/Seminar             | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| MUS     | 6990   | Independent Study                  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |

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| Subject | Number | Title                                | Course Description   |
|---------|--------|--------------------------------------|--|
| MUSC    | 1003   | Music and American Democracy         | Music often functions to unite a people or a society. Given that the American people and society change with each passing generation and given that their guaranteed liberties seldom unite them in a wholly cohesive chorus, the ways music has been used to reinforce ideals, advance causes, shape social norms and satisfy diverse constituencies offers a rich story. For the most part, American government has played a slight role in the unfolding of American music, although there have been fascinating exceptions to this rule. A situation of minimal government policy allows for the marketplace of ideas to determine what is composed, performed, taught and cherished. Within this marketplace, fissures have frequently emerged dividing advocates of one or another approach allowing for vigorous debates. This course affords students an opportunity first to study these disputes as matters of historical record and then engage with these debates as they manifest themselves today. (F) [IV-WC] |
| MUSC    | 1312   | Music in Culture                     | Required of all music majors; nonmusic majors admitted by permission. A study of music in its cultural context, exploring the inter-relationship of music to such aspects as everyday life, worship and belief, migration, dance, memory, politics, and identity. Techniques of aural perception are stressed for the improvement of basic listening skills. (Sp) [IV-AF]  |
| MUSC    | 1999   | Lower Division Transfer Credit       | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| MUSC    | 2313   | Ancient Times to 1700                | Prerequisite: 1312. A study of the development of music from its inception to the late Baroque era conducted through lectures, readings, listening and analysis. (F) [IV-WC]   |
| MUSC    | 2323   | Late Baroque Through Romantic Period | Prerequisite: 1312. A study of the development of music in the eighteenth and nineteenth centuries conducted through lectures, readings, listening and analysis. (Sp) [IV-WC]  |
| MUSC    | 3333   | Post-Romantic Period to the Present  | Prerequisite: 1312. A study of the development of music from the Post-Romantic era to the present day conducted through lectures, readings, listening and analysis. (F) [IV-WC]  |
| MUSC    | 3440   | Mentored Research Experience         | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| MUSC    | 3960   | Honors Reading                       | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| MUSC    | 3970   | Honors Seminar                       | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| MUSC    | 3980   | Honors Research                      | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| MUSC    | 3990   | Independent Study                    | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| MUSC    | 3999   | Upper Division Transfer Credit       | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| MUSC    | 4960   | Directed Readings                    | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| MUSC    | 4970   | Undergraduate Seminar                                   | 1 to 3 hours. Prerequisite: permission of department. May be repeated with change of content; maximum credit nine hours. In-depth study of topics of interest as appropriate to the field of study. Subjects such as the style, aesthetics, and influence of a particular composer, i.e., Beethoven, Berlioz, Brahms; the social/cultural foundations of a particular musical era or period; notational systems; and the like, are illustrative of the topics that may be pursued. (Sp) |
| MUSC    | 4990   | Independent Study                                       | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MUSC    | 5100   | Music History Graduate Review I                         | 0 to 1 hour. Prerequisite: majors only. Designed to provide remediation to graduate students who did not pass the preliminary exam in early music history. In order to register for graduate musicology seminars, students must either have passed the preliminary exam or have passed this review course. This class is held during the first eight weeks of the semester. The Medieval, Renaissance, and Baroque eras are studied. (F, Sp)  |
| MUSC    | 5200   | Music History Graduate Review II                        | 0 to 1 hour. Prerequisite: majors only. Designed to provide remediation to graduate students who did not pass the preliminary exam in early music history. In order to register for graduate musicology seminars, students must either have passed the preliminary exam or have passed the review course. This class is held during the last eight weeks of the semester. Classical, Romantic, and 20th century periods are studied. (F, Sp)  |
| MUSC    | 5323   | History of Opera  | Prerequisite: graduate standing or permission; 2313, 2323, 3333, or equivalent. Changes of content, style and form in dramatic music as related to social, economic and political change in the past 350 years of western civilization. (Irreg.)  |
| MUSC    | 5373   | History of American Music                               | Prerequisite: graduate standing or permission; 2313, 2323, 3333, or equivalent. Music in the United States from its beginnings to the present. (Irreg.)   |
| MUSC    | 5413   | World Music   | Prerequisite: Graduate standing or permission of the department. A study of world music from a cultural area approach, including musical expressions from Asia, Africa, Latin America and Native America. (Irreg.)  |
| MUSC    | 5423   | Native American Music                                   | Prerequisite: Graduate standing or permission of the department. A study of Native American music in its cultural context, including musical expression from the eastern woodlands, plains, southwest, and northwest coast areas. (Irreg.)  |
| MUSC    | 5433   | Ethnomusicology   | Prerequisite: Graduate standing or permission of the department. A study of world music from an issue and concepts orientation, including illustrative musical expressions from a variety of world areas. (Irreg.)  |
| MUSC    | 5513   | Music in the Middle Ages                                | Prerequisite: graduate standing. Majors only. A detailed survey of music from Hildegard of Bingen through Guillaume de Machaut. Explores a wide variety of medieval musical repertoires, including major sacred and vernacular musical genres. Through detailed study of primary and secondary materials, we will examine musical structures as well as the historical contexts within which they were produced. (Irreg.)   |
| MUSC    | 5523   | Music in the Renaissance: Style, Theory and Performance | Prerequisite: graduate standing; 2313 or equivalent. An integrated course that correlates vocal and instrumental Renaissance music by the major composers with the major writers of the time on musical theory, acoustics, philosophy, esthetics, history and performance. (Irreg.)   |
| MUSC    | 5543   | The Baroque Era   | Prerequisite: graduate standing or permission; 2313, 2323, 3333, or equivalent. A detailed study of music from Monteverdi through J.S. Bach. (Irreg.)   |
| MUSC    | 5563   | Music in the Classical Period                           | Prerequisite: graduate standing or permission; 2313, 2323, 3333, or equivalent. A detailed study of music from around 1730 to Beethoven. (Irreg.)   |
| MUSC    | 5573   | The Romantic Era  | Prerequisite: graduate standing or permission; 2313, 2323, 3333, or equivalent. A detailed study of music of the romantic era, principally 1800 to 1900. (Irreg.)   |
| MUSC    | 5583   | Music from 1900-1945                                    | Prerequisite: Graduate standing or permission of the department. A study of European and American classical music during this period. (Irreg.)  |



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| Subject | Number | Title                               | Course Description   |
|---------|--------|-------------------------------------|--|
| MUSC    | 5960   | Directed Readings                   | 1 to 3 hours. Prerequisite: 18 hours of music, permission of the director of the school. May be repeated; maximum credit six hours. Individual topics in music history and literature. (F, Sp, Su)   |
| MUSC    | 5970   | Seminar in Music History            | 1 to 4 hours. Prerequisite: 30 hours of music or permission. May be repeated with change of subject matter; maximum graduate credit 12 hours. (F, Sp, Su)  |
| MUSC    | 5980   | Research for Master's Thesis        | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. Music television emphasis also requires the production of a half-hour broadcast-quality television program as part of thesis research. (F, Sp, Su)  |
| MUSC    | 5990   | Special Studies in Music History    | 1 to 3 hours. Prerequisite: 30 hours of music, permission of the director of the school. May be repeated with change of subject matter; maximum graduate credit six hours. Individual study, research and analysis. (F, Sp, Su)  |
| MUSC    | 5999   | Graduate Level Transfer Credit      | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| MUTE    | 1000   | Freshman/Transfer Music Orientation | Prerequisite: majors only. To help ensure that music students are aware of the varied and numerous performance opportunities, and to encourage educated listening skills and habits. (F, Sp)   |
| MUTE    | 1010   | Recital Attendance                  | 0 hours credit. Performance laboratory for all undergraduate music majors. (F, Sp)   |
| MUTE    | 1120   | Jazz Ensemble                       | 0 to 1 hour. Prerequisite: permission by audition. May be repeated for credit; maximum credit eight hours. Preparation and performance of music written in a variety of jazz styles. (F, Sp)   |
| MUTE    | 1130   | University Band                     | 0 to 1 hour. Performance in University bands. (F, Sp, Su)  |
| MUTE    | 1140   | University Orchestra                | 0 to 1 hour. Prerequisite: permission by audition. May be repeated for credit; maximum credit eight hours. Performance in University orchestra. (F, Sp, Su)  |
| MUTE    | 1160   | University Chorale                  | 0 to 1 hour. Prerequisite: permission; membership determined by audition. May be repeated for credit; maximum credit eight hours. An ensemble of high caliber; approximately 24 singers. Rehearsal and performance of choral and choral-orchestral masterworks drawn mostly from the baroque through twentieth-century style periods. Several performances each semester. (F, Sp, Occas. Su) |
| MUTE    | 1170   | University Singers                  | 0 to 1 hour. Prerequisite: audition. Open to both music majors and nonmusic majors. May be repeated for credit; maximum credit six hours. Performance of a cappella and accompanied music of various periods and styles. One to two performances per semester. (F, Sp, Su)   |
| MUTE    | 1180   | Singing Sooners                     | 0 to 1 hour. May be repeated for credit; maximum credit six hours. Non-audition; hearing for vocal placement within ensemble. Wide variety of styles from popular to major choral works, combining with other choirs. (F, Sp)  |
| MUTE    | 1190   | Opera/Music Theatre                 | 0 to 2 hours. Prerequisite: permission of instructor by audition. May be repeated for credit; maximum credit sixteen hours. Consists of rehearsals and performances of opera, musicals and other forms of music theatre. (F, Sp)   |
| MUTE    | 1211   | Brass Instrument Class              | Prerequisite: permission. May be repeated with change of instrument or subject matter; maximum credit four hours. Basic concepts of playing and teaching percussion instruments. Laboratory (F, Sp)  |
| MUTE    | 1221   | Percussion Instrument Class         | Prerequisite: permission. May be repeated with change of instrument or subject matter; maximum credit four hours. Basic concepts of playing and teaching percussion instruments. Laboratory (F, Sp)  |
| MUTE    | 1231   | Woodwind Instrument Class           | Prerequisite: permission. May be repeated with change of instrument or subject matter; maximum credit four hours. Basic concepts of playing and teaching woodwind instruments. Laboratory (F, Sp)  |
| MUTE    | 1251   | Stringed Instrument Class           | Prerequisite: permission. May be repeated with change of instrument or subject matter; maximum credit four hours. Laboratory (F, Sp)   |

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| Subject | Number | Title                          | Course Description   |
|---------|--------|--------------------------------|--|
| MUTE    | 1270   | Choral Union                   | 0-1 hour. May be repeated; maximum credit 8 hours. The OU Choral Union will perform major choral literature and combine with the OU Choirs and instrumental ensembles to perform large choral masterworks. Membership is open through audition to all students in any degree program at OU. Two events per semester, does not fulfill large ensemble credit for music majors. (F, Sp)  |
| MUTE    | 1280   | Opera Chorus                   | 0-1 hours. May be repeated; maximum credit 8 hours. The OU Opera Chorus is a 24-member performing ensemble. This select ensemble will perform one fully staged opera production. Membership is open through audition to all students in any degree program at OU. Music majors must participate in both Choral Union and Opera Chorus each semester to fulfill large ensemble credit for undergraduates and graduates. (F, Sp)   |
| MUTE    | 1282   | Italian Lyric Diction          | Prerequisite: majors only. Italian Lyric Diction provides an introduction to the principles of pronunciation of the Italian language in speech and singing. Student will use the International Phonetic Alphabet as a symbolic medium. Frequent performance and coaching of poetic readings, songs, arias, and recitative in class will provide students an opportunity to develop accurate and expressive communication. (F)  |
| MUTE    | 1290   | Women's Chorus                 | 0-1 hours. May be repeated; maximum credit 8 hours. This ensemble is dedicated to the study and performance of music for the female voice. Annual performances include the Fall and Spring concerts, Christmas at OU, and the President's Concert. Membership is open through audition to female students in any degree program at OU. Fulfills large ensemble credit for undergraduate and graduate music majors. (F, Sp)   |
| MUTE    | 1292   | English Lyric Diction          | Prerequisite: majors only. English Lyric Diction provides an introduction to the principles of pronunciation of the English language in speech and singing. American, Mid-Atlantic, General Southern and British dialects will be addressed. Students will use the international Phonetic Alphabet as a symbolic medium. Frequent performance and coaching of poetic readings, songs, arias and recitative in class will provide students an opportunity to develop accurate and expressive communication. (Sp.) |
| MUTE    | 1310   | Men's Glee Club                | 0-1 hours. May be repeated; maximum credit 5 hours. This ensemble is dedicated to the study and performance of music for the male voice. Annual performances include the Fall and Spring concerts, Christmas at OU, and the President's Concert. Membership is open through audition to male students in any degree program at OU. (Fa, Sp)  |
| MUTE    | 1311   | Group Piano I                  | Prerequisite: permission. Development of functional piano skills for the non-keyboard music major. Emphasis on keyboard theory and technique, sight reading, solo/ensemble repertoire and creative activities (harmonization, improvisation). Laboratory (F, Sp)   |
| MUTE    | 1321   | Group Piano II                 | Prerequisite: 1311 and permission. Continued development of the skills begun in 1311. Laboratory (F, Sp)   |
| MUTE    | 1332   | Functional Piano Skills I      | Prerequisite: piano major, piano emphasis, permission. Experience in sight reading, playing by ear, modulation, open score reading, transposition and improvisation at the keyboard. (F)   |
| MUTE    | 1342   | Functional Piano Skills II     | Prerequisite: 1332 or permission. Experience in sight reading, playing by ear, modulation, open score reading, transposition and improvisation at the keyboard.  |
| MUTE    | 1999   | Lower Division Transfer Credit | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| MUTE    | 2020   | Composition Forum              | Prerequisite: composition majors; corequisite: Composition 2010 or 2020. Required of all composition majors. Meets weekly throughout the semester as an official laboratory to discuss compositional techniques and review student compositions. (F, Sp, Su)   |
| MUTE    | 2232   | Organ Improvisation Seminar    | Prerequisites: majors only; MUTH 1522 and MUTH 1622. The goal of the course is to help students develop basic skills in improvisation, including the development of a greater sense of harmonic direction, the exploration of simple forms and counterpoint, and the improvisation of melodic phrases. (F, Sp)   |
| MUTE    | 2242   | Bme Instrumental Conducting I  | Prerequisite: sophomore standing in music. Development of skills and knowledge in instrumental conducting, rehearsal techniques and instrumental repertoire. (F)   |

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| Subject | Number | Title                                | Course Description  |
|---------|--------|--------------------------------------|---|
| MUTE    | 2252   | Bme Instrumental Conducting II       | Prerequisite: 2242. Continued development of skills and knowledge in instrumental conducting, rehearsal skills, and instrumental repertoire. (Sp)   |
| MUTE    | 2271   | Chamber Music                        | Prerequisite: permission. May be repeated; maximum credit four hours. Study and performance of chamber music literature for various combinations of instruments. (F, Sp, Su)  |
| MUTE    | 2280   | Studio Ensemble                      | 0 to 1 hour. May be repeated for credit. Performance experience in an ensemble of similar instruments. (F, Sp)  |
| MUTE    | 2282   | French Lyric Diction                 | Prerequisite: majors only. French Lyric Diction provides an introduction to the principles of pronunciation of the French language in speech and singing. Student will use the International Phonetic Alphabet as a symbolic medium. Frequent performance and coaching of poetic readings, songs, arias, and recitative in class will provide students an opportunity to develop accurate and expressive communication. (F)   |
| MUTE    | 2292   | German Lyric Diction                 | Prerequisite: majors only. German Lyric Diction provides an introduction to the principles of pronunciation of the German language in speech and singing. Student will use the International Phonetic Alphabet as a symbolic medium. Frequent performance and coaching of poetic readings, songs, arias, and recitative in class will provide students an opportunity to develop accurate and expressive communication. (Sp)  |
| MUTE    | 2311   | Group Piano III                      | Prerequisite: 1321 and permission. Continued development of the skills begun in 1321. Laboratory (F, Sp)  |
| MUTE    | 2321   | Group Piano IV                       | Prerequisite: 2311 and permission. Continued development of the skills begun in 2311. Special emphasis on sight reading, accompanying and instrumental and vocal-choral score reading. Laboratory (F, Sp)   |
| MUTE    | 2411   | Organ Technology Lab                 | Prerequisite: Majors only. May be repeated; maximum credit 4 hours. This course must be completed four times (for a total of four credit hours) as a prerequisite to MUTE 4411. Provides a practical and hands-on component to Organ Technology majors. Covers basic and fundamental areas of knowledge and experience any organ technician is expected to master. For students who already have experience in certain areas, their course of study may be altered to address areas of relative weakness or provide advanced experience. Laboratory (F, Sp) |
| MUTE    | 2970   | Special Topics in Music Technique    | Majors only. 1 to 3 hours. May be repeated with change of subject matter; content changes each semester. Study of newly developed, experimental or inter-disciplinary topics in music technique   |
| MUTE    | 3110   | Studio Accompanying for Piano Majors | 0 to 1 hour. Prerequisite: majors only; PIAN 2020 or PIAN 2010. May be repeated; max credit 4 hours. Required of piano majors during junior and senior years. Two hours per week of assigned accompanying in vocal and/or instrumental teaching studios. Laboratory (F, Sp)   |
| MUTE    | 3120   | Jazz Ensemble                        | 0 to 1 hour. Admission by audition. May be repeated for credit. Preparation and performance of music written in a variety of jazz styles.   |
| MUTE    | 3130   | University Band                      | 0 to 1 hour. Prerequisite: MUTE 1130. May be repeated for credit; maximum credit eight hours. Performance in University bands. (F, Sp)  |
| MUTE    | 3140   | University Orchestra                 | 0 to 1 hour. Prerequisite: permission by audition. May be repeated for credit; maximum credit eight hours. Performance in University orchestra. (F, Sp)   |
| MUTE    | 3160   | University Chorale                   | 0 to 1 hour. Prerequisite: audition. May be repeated for credit. An ensemble of high caliber; approximately forty singers. Rehearsal and performance of choral and choral-orchestral masterworks drawn mostly from the baroque through twentieth-century style periods. Several performances each semester. (F, Sp)   |
| MUTE    | 3170   | University Singers                   | 0 to 1 hour. Prerequisite: audition. Open to both music majors and nonmusic majors. May be repeated for credit; maximum credit six hours. Performance of a capella and accompanied music of various periods and styles. One to two performances per semester. (F, Sp, Su)   |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| MUTE    | 3180   | Singing Sooners                | 0 to 1 hour. May be repeated for credit; maximum credit six hours. Non-audition; hearing for vocal placement within ensemble. Wide variety of styles from popular to major choral works, combining with other choirs. (F, Sp)   |
| MUTE    | 3190   | Opera/Music Theatre            | 0 to 2 hours. Prerequisite: permission by audition. May be repeated for credit; maximum credit sixteen hours. Consists of rehearsals and performances of opera, musicals and other forms of music theatre. (F, Sp)  |
| MUTE    | 3242   | Instrumental Conducting I      | Prerequisite: junior standing in music. Development of skills and knowledge in instrumental conducting, rehearsal techniques and instrumental repertoire. (F)   |
| MUTE    | 3252   | Instrumental Conducting II     | Prerequisite: 3242. Continued development of skills and knowledge in instrumental conducting, rehearsal skills and instrumental repertoire. (Sp)  |
| MUTE    | 3262   | Choral Conducting I            | Prerequisite: junior standing in the School of Music. Development of skills and knowledge in choral conducting, rehearsal techniques and choral repertoire. (F)   |
| MUTE    | 3270   | Choral Union                   | 0-1 hour. Prerequisite: junior standing. May be repeated; maximum credit 5 hours. The OU Choral Union will perform major choral literature and combine with the OU Choirs and instrumental ensembles to perform large choral masterworks. Membership is open through audition to all students in any degree program at OU. Two events per semester, does not fulfill large ensemble credit for music majors. (F, Sp)  |
| MUTE    | 3272   | Choral Conducting II           | Prerequisite: 3262. Continued development of skills and knowledge in choral conducting, rehearsal techniques and choral repertoire. (Sp)  |
| MUTE    | 3280   | Opera Chorus                   | 0-1 hours. May be repeated; maximum credit 6 hours. The OU Opera Chorus is a 24-member performing ensemble. Ensemble performs one fully staged opera production. Membership is open through audition to all students in any degree program at OU. Music majors must participate in both Choral Union and Opera Chorus each semester to fulfill large ensemble credit for undergraduates and graduates. (F, Sp)  |
| MUTE    | 3290   | Women's Chorus                 | 0-1 hours. May be repeated; maximum credit 6 hours. Ensemble dedicated to the study and performance of music for the female voice. Annual performances include the Fall and Spring concerts, Christmas at OU, and the President's Concert. Membership is open through audition to female students in any degree program at OU. Fulfills large ensemble credit for undergraduate and graduate music majors. (F, Sp)  |
| MUTE    | 3310   | Men's Glee Club                | 0-1 hours. Prerequisite: junior standing. May be repeated; maximum credit 5 hours. This ensemble is dedicated to the study and performance of music for the male voice. Annual performances include the Fall and Spring concerts, Christmas at OU, and the President's Concert. Membership is open through audition to male students in any degree program at OU. (F, Sp)   |
| MUTE    | 3342   | Jazz Improvisation             | Prerequisite: junior standing. May be repeated; maximum credit 8 hours. Development of improvising skills in the jazz idiom. Designed as a hands-on laboratory course for students of various skill levels to improve personal abilities. (F, Sp, Su)   |
| MUTE    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| MUTE    | 3999   | Upper Division Transfer Credit | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| MUTE    | 4020   | Composition Forum              | Prerequisite: junior standing and composition majors; corequisite: Composition 4010 or 4020. Required of all composition majors. Meets weekly throughout the semester as an official laboratory to discuss compositional techniques and review student compositions. (F, Sp, Su)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                                       | Course Description  |
|---------|--------|---|---|
| MUTE    | 4212   | Silent Film Accompaniment on the Pipe Organ | (Slashlisted with 5212) Prerequisite: Majors only. A practical and historic survey of accompaniment methods of the silent film as well as a study of the music, multiple arts, and techniques involved in creating an effective live film score. No student may earn credit for both 4212 and 5212. (Fall, alternating years)   |
| MUTE    | 4232   | Organ Improvisation Seminar                 | Prerequisites: majors only; MUTH 2522 and MUTH 2622. The goal of the course is to help students develop basic skills in improvisation, including the development of a greater sense of harmonic direction, the exploration of simple forms and counterpoint, and the improvisation of melodic phrases. (F, Sp)  |
| MUTE    | 4252   | Music in Worship                            | Prerequisite: junior standing. Presents both a brief history of hymnody within worship, as well as an overview of the role of music within various denominations, both within the United States and throughout the world. (F)   |
| MUTE    | 4262   | Church Music Practicum                      | Prerequisite: junior standing. Provides students with practical skills and information pertinent to the church music profession. (Irreg.)   |
| MUTE    | 4271   | Chamber Music                               | Prerequisite: permission. May be repeated; maximum credit four hours. Study and performance of chamber music literature for various combinations of instruments. (F, Sp)  |
| MUTE    | 4280   | Studio Ensemble                             | 0 to 1 hour. Prerequisite: 2280. May be repeated for credit. Performance experience in an ensemble of similar instruments. (F, Sp)  |
| MUTE    | 4290   | Opera Production                            | (Slashlisted with 5290) 1 to 3 hours. Prerequisite: junior standing in music. May be repeated; maximum credit 12 hours. A musical, dramatic, and technical theater practicum for students cast in solo and chorus roles in major opera productions. The purpose of the course and productions is to provide appropriate training and performance opportunities for each participant. No student may earn credit for both 4290 and 5290. (Irreg.)  |
| MUTE    | 4310   | Vocal Coaching                              | 0 to 2 hours credit. Prerequisite: junior or senior standing and instructors permission. May be repeated three times; maximum credit eight hours. Course is designed as a supplement to weekly voice lessons with sessions that focus primarily on diction, style and interpretation issues within a students repertoire. (F, Sp)   |
| MUTE    | 4382   | Acting for Opera I                          | (Slashlisted with 5382) Prerequisite: majors only, junior standing. Acting for Opera develops basic acting and interpretive skills for opera performance, including characterization, interaction, movement and improvisation. Music and text will be explored from the perspective of dramatic structure. The creative integration of the physical, emotional, and mental tasks of acting are emphasized. No student may earn credit for both 4382 and 5382. (F)   |
| MUTE    | 4392   | Acting for Opera II                         | (Slashlisted with 5392) Prerequisite: majors only, junior standing. An in-depth study of scenes selected from 18th - 20th century operatic repertoire, culminating in a performance at the end of the semester. Scenes will be assigned, coached, and rehearsed in class. The focus of the class is the development of the individual student's skills, with an emphasis on process and techniques. No student may earn credit for both 4392 and 5392. (Sp)   |
| MUTE    | 4411   | Organ Technology Lab                        | Prerequisite: completion of MUTE 2411 for four semesters, and permission of instructor. May be repeated; maximum credit four hours. Combined with MUTE 2411, MUTE 4411 provides an eight-semester course of study of practical and hands-on experience for Organ Technology majors. Students may not enroll in MUTE 4411 without the completion of four semesters of MUTE 2411. Covers basic and fundamental areas of knowledge and experience any organ technician is expected to master. For students who already have experience in certain areas, their course of study may be altered to address areas of relative weakness or provide advanced experience. Laboratory (F, Sp) |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| MUTE    | 4423   | History and Fundamentals of Pipe Organ Construction and Design | Prerequisite: junior standing; majors only or permission of instructor. Historical and interactive study of the pipe organ, from the earliest historical examples to the latest developments in contemporary instruments. Covers a broad field of information that applies directly to the instrument itself, including topics such as: basic components of the pipe organ, various types of key action, physics of pipe speech, pipe-making, acoustics, console design and the development of tuning standards. Includes a lab-type component in which the class will explore various instruments in situ to experience the various principles in application, as well as learning the basics of tuning and maintenance. (F, Sp) |
| MUTE    | 4453   | Organ Construction & Design I                                  | Prerequisites: Majors only; MUTE 4423. Primarily intended for students pursuing an Organ Technology course of study, but is also applicable to undergraduate students in Organ Performance who desire an advanced understanding of the design and construction of the pipe organ. The course content is modeled after the syllabus published by the American Institute of Organ builders pertaining to the fundament of knowledge required to pass the examination for admission as a Colleague of the organization. This two-semester course will traverse the vast majority of the topics contained in the AIO examination. A comprehensive study of a large amount of technical and artistic knowledge. (Irreg.)               |
| MUTE    | 4463   | Organ Construction and Design II                               | Prerequisite: Majors only; MUTE 4423 and MUTE 4453. Primarily intended for students pursuing an Organ Technology course of study, but is also applicable to undergraduate students in Organ Performance who desire an advanced understanding of the design and construction of the pipe organ. The course content is modeled after the syllabus published by the American Institute of Organ builders pertaining to the fundament of knowledge required to pass the examination for admission as a Colleague of the organization. This two-semester course will traverse the vast majority of the topics contained in the AIO examination. A comprehensive study of a large amount of technical and artistic knowledge. (Alt. F)  |
| MUTE    | 4512   | Woodwind Professional Development                              | Prerequisite: majors only, junior standing. Designed to maximize student potential to think, work, and thrive in all facets of a professional musical career. The ultimate goal of the class is provide students with strategies, concepts, and knowledge on not only how to get a job in the music industry, but to keep it. The course is taught by each professor of the woodwind faculty, allowing a wide range of topics to be covered as well as granting students access to the broadest scope of professional experience possible. (Irreg.)   |
| MUTE    | 4970   | Undergraduate Seminar  | Majors only. 1 to 3 hours. May be repeated with change of subject matter; content changes each semester. In-depth look at areas dealing with technique, technology and applied instruction in a class or group setting. Study of newly developed, experimental or interdisciplinary topics in music technique.  |
| MUTE    | 5120   | Jazz Ensemble  | 0 to 1 hour. Prerequisite: graduate standing and permission. May be repeated for credit; maximum credit four hours. Admission by audition. Preparation and performance of music written in a variety of jazz styles. (F, Sp)  |
| MUTE    | 5130   | University Band  | University Band. 0 To 1 Hour. Prerequisite: Permission Of Instructor, Determined By Audition. May Be Repeated For Credit. Number Of Credits Applicable To Degree Programs Varies, But In No Case May Exceed Four Hours. Study And Performance Of Concert Literature For The Wind Band To Include Score Analysis And Study Of The Aspects Of Program Planning And Performance Practices. (F, Sp, Su)   |
| MUTE    | 5132   | Organ Improvisation Seminar                                    | Prerequisites: majors only; graduate standing. The goal of the course is to help students develop basic skills in improvisation, including the development of a greater sense of harmonic direction, the exploration of simple forms and counterpoint, and the improvisation of melodic phrases. (F, Sp)  |
| MUTE    | 5140   | University Orchestra   | 0 to 1 hour. Prerequisite: permission of instructor; determined by audition. May be repeated for credit. Number of credits applicable to degree programs varies, but in no case may exceed four hours. Study and performance of orchestral literature for the string orchestra and full symphony orchestra to include score analysis and study of the aspects of program planning and performance practices. (F, Sp)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                                       | Course Description  |
|---------|--------|---|---|
| MUTE    | 5160   | University Chorale                          | Prerequisite: graduate standing, permission; membership determined by audition. May be repeated for credit. An ensemble of high caliber; approximately 40 singers. Rehearsal and performance of choral and choral-orchestral masterworks drawn mostly from the baroque through twentieth-century style periods. Several performances each semester. (F, Sp, Su)   |
| MUTE    | 5170   | University Singers                          | 0 to 1 hour. Prerequisite: graduate standing and permission of instructor; determined by audition. Open to both music and nonmusic majors. May be repeated for credit. Performance of a cappella and accompanied music of various periods and styles. One to two performances per semester. (F, Sp, Su)   |
| MUTE    | 5180   | Singing Sooners                             | 0 to 1 hour. Prerequisite: graduate standing. May be repeated for credit; maximum credit nine hours. Non-audition; hearing for vocal placement within ensemble. Wide variety of styles from popular to major choral works, combining with other choirs. (F, Sp)   |
| MUTE    | 5190   | Opera/Music Theatre                         | 0 to 2 hours. Prerequisite: permission of instructor by audition. May be repeated for credit; maximum credit eight hours. Consists of rehearsals and performances of opera, musicals and other forms of music theatre. (F, Sp, Su)  |
| MUTE    | 5212   | Silent Film Accompaniment on the Pipe Organ | (Slashlisted with 4212) Prerequisites: Graduate Standing. Majors only. A practical and historic survey of accompaniment methods of the silent film as well as a study of the music, multiple arts, and techniques involved in creating an effective live film score. No student may earn credit for both 4212 and 5212. (Fall, alternating years)   |
| MUTE    | 5271   | Chamber Music                               | Prerequisite: Graduate standing, permission. May be repeated with change of subject matter. Survey of chamber music through participation in ensemble groups. Preparation and public performance of selected chamber music works. (F, Sp)   |
| MUTE    | 5280   | Studio Ensemble                             | 0 to 1 hour. Prerequisite: graduate standing. May be repeated for credit. Performance experience in an ensemble of similar instruments. (F, Sp)   |
| MUTE    | 5290   | Opera Production                            | (Slashlisted with 4290) 1 to 3 hours. Prerequisite: junior standing in music. May be repeated; maximum credit 12 hours. A musical, dramatic, and technical theater practicum for students cast in solo and chorus roles in major opera productions. The purpose of the course and productions is to provide appropriate training and performance opportunities for each participant. No student may earn credit for both 4290 and 5290. (Irreg.)                |
| MUTE    | 5300   | Opera Chorus                                | 0-1 hours. Prerequisite: graduate standing. May be repeated; maximum credit 8 hours. The OU Opera Chorus is a 24-member performing ensemble. This select ensemble will perform one fully staged opera production. Membership is open through audition to all students in any degree program at OU. Music majors must participate in both Choral Union and Opera Chorus each semester to fulfill large ensemble credit for undergraduates and graduates. (F, Sp) |
| MUTE    | 5310   | Men's Glee Club                             | Prerequisite: graduate standing. 0-1 hours. May be repeated; maximum credit 5 hours. This ensemble is dedicated to the study and performance of music for the male voice. Annual performances include the Fall and Spring concerts, Christmas at OU, and the President's Concert. Membership is open through audition to male voices in any degree program at OU. (F, Sp)   |
| MUTE    | 5320   | Women's Chorus                              | Prerequisite: graduate standing. 0-1 hours. May be repeated; maximum credit 8 hours. This ensemble is dedicated to the study and performance of music for the female voice. Annual performances include the Fall and Spring concerts, Christmas at OU, and the President's Concert. Membership is open through audition to female voices in any degree program at OU. Fulfills large ensemble credit for undergraduate and graduate music majors. (F, Sp)       |
| MUTE    | 5382   | Acting for Opera I                          | (Slashlisted with 4382) Prerequisite: graduate standing. Acting for Opera develops basic acting and interpretive skills for opera performance, including characterization, interaction, movement and improvisation. Music and text will be explored from the perspective of dramatic structure. The creative integration of the physical, emotional, and mental tasks of acting are emphasized. No student may earn credit for both 4382 and 5382. (F)          |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| MUTE    | 5390   | Women's Chorus   | 0-1 hours. Prerequisite: graduate standing. May be repeated; maximum credit 8 hours. This ensemble is dedicated to the study and performance of music for the female voice. Annual performances include the Fall and Spring concerts, Christmas at OU, and the President's Concert. Membership is open through audition to female students in any degree program at OU. Fulfills large ensemble credit for undergraduate and graduate music majors. (F, Sp)   |
| MUTE    | 5392   | Acting for Opera II  | (Slashlisted with 4392) Prerequisite: graduate standing. An in-depth study of scenes selected from 18th-20th century operatic repertoire, culminating in a performance at the end of the semester. Scenes will be assigned, coached, and rehearsed in class. The focus of the class is the development of the individual student's skills, with an emphasis on process and techniques. No student may earn credit for both 4392 and 5392. (Sp)  |
| MUTE    | 5413   | Church Music Practicum   | Prerequisite: graduate standing or permission. This course provides students with practical skills and information pertinent to the church-music profession. The scope of study will include, but is not limited to, service playing, accompanying choral works, console conducting, and interpersonal skills related to the workplace environment. The students will also develop a list of historical and current resources that will contribute to their knowledge of music's place within the church. (F, Sp)   |
| MUTE    | 5423   | History and Fundamentals of Pipe Organ Construction and Design | Prerequisite: graduate standing or permission. Historical and interactive study of the pipe organ, from the earliest historical examples to the latest developments in contemporary instruments. Covers a broad field of information that applies directly to the instrument itself, including topics such as: basic components of the pipe organ, various types of key action, physics of pipe speech, pipemaking, acoustics, console design and the development of tuning standards. Includes a lab-type component in which the class will explore various instruments in situ to experience the various principles in application as well as learning the basics of tuning and maintenance. (F, Sp)  |
| MUTE    | 5453   | Organ Construction and Design I                                | Prerequisite: graduate standing and MUTE 5423. Includes a brief review of material covered in "Fundamentals of the Pipe Organ." Course content is modeled after the published syllabus of the American Institute of Organbuilders and the knowledge required to pass the examination for admission as a Colleague of the organization. A comprehensive study of a large amount of technical and artistic knowledge of organ building. Primarily intended for students pursuing an Organ Technology course of study, but also applicable to graduate students in Organ Performance who desire an advanced understanding of the design and construction of the pipe organ. The first course of a two-semester sequence designed to traverse the majority of topics contained in the AIO examination. (F)  |
| MUTE    | 5463   | Organ Construction and Design II                               | Prerequisite: graduate standing, and MUTE 5423 and MUTE 5453. A continuation of the content begun in MUTE 5453. Course content is modeled after the published syllabus of the American Institute of Organbuilders and the knowledge required to pass the examination for admission as a Colleague of the organization. Continues the progression of the technical and artistic knowledge of organ building. Intensive study of a large amount of technical and artistic knowledge of organ building. Primarily intended for students pursuing an Organ Technology course of study, but also applicable to graduate students in Organ Performance who desire an advanced understanding of the design and construction of the pipe organ. The second course of a two-semester sequence designed to traverse the majority of topics contained in the AIO examination. (Sp) |
| MUTE    | 5512   | Choral Conducting  | Prerequisite: 3262; graduate standing; permission of instructor. May be repeated; maximum credit six hours. Development of conducting gestures, rehearsal procedures and stylistic interpretation in an ensemble setting. Content coordinated with 6152. Repertoire ranges from medieval chant to avant garde works with nonconventional notation. (F, Sp, Su)  |



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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| MUTE    | 5522   | Instrumental Conducting        | Instrumental Conducting: Prerequisite: 3252; Graduate Standing; Permission Of Instructor. May Be Repeated; Maximum Credit Six Hours. Development Of Baton Technique, Error Detection Skills, Rehearsal Procedures And Interpretive Skills. Conducting Of Band Or Orchestral Works From Various Style Periods. (F)   |
| MUTE    | 5532   | Instrumental Score Studies     | Instrumental Score Studies. Prerequisite: 3252; graduate standing or permission. May be repeated with change of content. Critical performance analysis of selected instrumental masterworks from various style periods. Development of an understanding of proper style and interpretation based on musical research.   |
| MUTE    | 5970   | Seminar in Music Technique     | 1 to 3 hours. Prerequisite: graduate standing in music and permission. May be repeated with change of subject matter; maximum credit applicable toward degree, six hours. In-depth study of topics of interest in music performance. (Sp)   |
| MUTE    | 5990   | Special Studies in Conducting  | 1 to 3 hours. Prerequisite: 5512 or 5522, graduate standing, permission of director of the school. May be repeated with change of subject matter; maximum graduate credit six hours. Advanced individual study of conducting problems and score analysis. (Sp, Su)  |
| MUTE    | 5999   | Graduate Level Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| MUTE    | 6132   | Organ Improvisation Seminar    | Prerequisites: majors only; graduate standing. The goal of the course is to help students develop basic skills in improvisation, including the development of a greater sense of harmonic direction, the exploration of simple forms and counterpoint, and the improvisation of melodic phrases. (F, Sp)  |
| MUTE    | 6152   | Choral Score Studies           | Prerequisite: 3252; graduate standing; permission of instructor. May be repeated; eight hours credit applicable to DMA degree. Critical performance analysis of selected masterworks from medieval chant to avant garde works of the twentieth century. Development of an understanding of proper style and interpretation based on musical research. (F, Sp, Su) |
| MUTE    | 6162   | Instrumental Score Studies     | Prerequisite: 5532, graduate standing, and permission of instructor. May be repeated; maximum credit eight hours applicable to DMA degree. Development of knowledge of broad base of repertoire combined with in-depth analysis of specific works. (F, Sp)  |
| MUTE    | 6210   | Collegium Musicum              | 0 to 1 hour. Prerequisite: permission. Performance of instrumental and vocal music from all periods and repertoires, and problems related thereto. (F, Sp)  |
| MUTE    | 6252   | Choral Conducting              | Prerequisite: 5512; graduate standing; permission of instructor. May be repeated; eight hours credit applicable to DMA degree. Refinement of conducting, rehearsal and interpretive skills. Emphasis on musical nuance in choral style and interpretation. (F, Sp, Occas. Su)   |
| MUTE    | 6262   | Instrumental Conducting        | Prerequisite: 5522, graduate standing, and permission of instructor. May be repeated; maximum credit eight hours applicable to DMA degree. Development of advanced conducting techniques and rehearsal skills. Exploration of relationships between structural analysis and performance. Podium time in ensemble situations. (F, Sp)                              |
| MUTH    | 1511   | Musical Structures I           | Prerequisite: knowledge of music fundamentals, written and aural, or concurrent enrollment in 0601. Study of the basic materials of music as a necessary preparation for the study of music theory. These factors will be approached through written, aural, oral, sensitivity, keyboard and analysis drills. (F, Sp)   |
| MUTH    | 1522   | Musical Structures II          | Prerequisite: 1511. An overview of the common practice periods through writing, analysis, aural perception and keyboard. (F, Sp)  |
| MUTH    | 1611   | Aural Skills I                 | Prerequisite: knowledge of music fundamentals, written and aural, or concurrent enrollment in 0601. Study of simple melodic and rhythmic patterns, isolated and in the context of literature, to the end of aural perception and vocal reading of same. Laboratory (F, Sp)  |
| MUTH    | 1622   | Aural Skills II                | Prerequisite: 1611. Continuation of 1611. Laboratory (F, Sp)  |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| MUTH    | 1999   | Lower Division Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| MUTH    | 2512   | Musical Structures III         | Prerequisite: 1522. A study of the traditional harmonic practices of the eighteenth and nineteenth centuries through writing, analysis, aural perception and keyboard. (F, Sp) [IV-AF]  |
| MUTH    | 2522   | Musical Structures IV          | Prerequisite: 2512. A study of late nineteenth-century harmonic practices and twentieth-century idioms through writing, analysis, aural perception and keyboard. (F, Sp)  |
| MUTH    | 2612   | Aural Skills III               | Prerequisite: 1622. Study of moderately difficult rhythms and melodies in the context of illustrative eighteenth- and nineteenth-century styles - aural perception, vocal reading and analysis. Laboratory (F)  |
| MUTH    | 2622   | Aural Skills IV                | Prerequisite: 2612. Study of rhythms and melodies as used by late nineteenth- and twentieth-century composers - aural perception, vocal reading and analysis. Laboratory (Sp)   |
| MUTH    | 2970   | Special Topics in Music Theory | Majors only. 1 to 3 hours. May be repeated with change of subject matter; content changes each semester. Study of newly developed, experimental or inter-disciplinary topics in music theory.   |
| MUTH    | 3440   | Mentored Research Experience   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| MUTH    | 3512   | Musical Structures V           | Prerequisite: 2522. A study of the late nineteenth- and twentieth-century harmonic practices. Development of theoretical analysis skills in twentieth-century music. (F, Sp)  |
| MUTH    | 3763   | Counterpoint                   | Prerequisite: 2522. A study of eighteenth-century counterpoint. First semester, two parts with analysis and original writing. (F)   |
| MUTH    | 3783   | Forms and Analysis             | Prerequisite: 2522. A study of the structure of homophonic forms, followed by the standard polyphonic and homophonic forms of eighteenth-, nineteenth-, and twentieth-century music. (Sp)   |
| MUTH    | 3960   | Honors Reading                 | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| MUTH    | 3970   | Honors Seminar                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| MUTH    | 3980   | Honors Research                | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| MUTH    | 3990   | Independent Study              | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| MUTH    | 3999   | Upper Division Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| MUTH    | 4853   | Orchestration                  | Prerequisite: Majors only; MUTH 3512 or concurrent enrollment in MUTH 3512. A study of the characteristics of the instruments of the orchestra and their uses in combination, including historical background of orchestral style. (F)  |
| MUTH    | 4863   | Advanced Orchestration         | Prerequisite: 4853 or permission of instructor. May be repeated; maximum credit six hours. Continuation of the study of the characteristics of the instruments of the orchestra and their uses in combination covering advanced techniques and practices, including historical background or orchestral style, including the twentieth century. (Sp)  |

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| Subject | Number | Title                                | Course Description  |
|---------|--------|--------------------------------------|---|
| MUTH    | 4960   | Directed Readings                    | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| MUTH    | 4970   | Senior Seminar                       | 1 to 3 hours. Prerequisite: 3763 and 3783. May be repeated once with change of topic; maximum credit six hours. Not open to graduate students. Intended to permit study in-depth of such areas as the style of a particular composer or the writing of a particular theorist such as Hindemith, Schenker, Persichetti and others. (F, Sp, Su)   |
| MUTH    | 4990   | Independent Study                    | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| MUTH    | 5812   | Practicum in Music Theory I          | Prerequisite: 12 hours of music theory. The study of nineteenth-century chromatic harmony and the relationship of musical content to musical form. (F, Alt, Su)   |
| MUTH    | 5813   | Introduction to Schenkerian Analysis | Prerequisite: graduate standing and permission of the graduate music office. Develop basic skills in Schenkerian analysis and an understanding of Schenkerian theory. (Irreg.)  |
| MUTH    | 5822   | Practicum in Music Theory II         | Prerequisite: 5812. A brief comparative study of Baroque and twentieth-century fugues; analysis of compositional techniques and forms in the first half of the twentieth century. (Sp, Su)  |
| MUTH    | 5823   | Pedagogy of Music Theory             | Prerequisite: graduate standing and permission of the graduate music office. An examination of the philosophy, logistics, methods, content, and materials of teaching music theory at the undergraduate level. (Irreg.)   |
| MUTH    | 5833   | Analysis of Twentieth-Century Music  | Prerequisite: graduate standing and permission of the graduate music office. Traces the origins of twentieth-century music and surveys compositional techniques. (Irreg.)   |
| MUTH    | 5843   | History of Western Music Theory      | Prerequisite: graduate standing and permission of graduate music office. Searches for the roots of common concepts (such as the triad), tools (such as staff notation), and terminology (Why do "key" and "clef" both mean "key") of western musical discourse and traces the development of thought about parameters such as meter, mode, scale, consonance, tuning, counterpoint, harmony, and form, while making connections between these stories and the histories of western science, mathematics, theology, philosophy and political and social structures. (Irreg.) |
| MUTH    | 5853   | Music Of Bartok, Prokofiev, Chicago  | Prerequisite: graduate standing and permission of graduate music office. A structural examination of three twentieth-century, pitch-centric repertoires: the Mikrokosmos of Bartók, Prokofiev's Romeo and Juliet, and albums V, VI, and VIII of Chicago. (Irreg.)   |
| MUTH    | 5863   | Advanced Orchestration               | Prerequisite: graduate standing and permission of the graduate music office. Continuation of the study of the characteristics of the instruments of the orchestra and their uses in combination covering advanced techniques and practices, including historical background or orchestral style, including the twentieth century. No student may earn credit for both 4863 and 5863. (Sp)   |
| MUTH    | 5873   | Theory and Analysis of Rock Music    | Prerequisite: graduate standing and permission of the graduate music office. Structural analysis of phases rhythm, key, melodic structure, harmony, and form in selected works from the rock era of popular music (1955-Present). (Irreg.)  |
| MUTH    | 5883   | Analysis of Tonal Music              | Prerequisite: graduate standing and permission of the graduate music office. Analysis of form and harmony in selected works from the common practice era (1670-1900). (Irreg.)  |
| MUTH    | 5960   | Directed Readings                    | 1 to 4 hours. Prerequisite: 18 hours of music, permission of the director of the school. May be repeated; maximum undergraduate credit eight hours, graduate credit six hours. Individual topics in music theory. (F, Sp, Su)   |
| MUTH    | 5970   | Seminar in Music Theory              | 1 to 4 hours. Prerequisite: 30 hours of music or permission. May be repeated with change of subject matter; maximum graduate credit 12 hours. (F, Sp, Su)   |
| MUTH    | 5980   | Research for Master's Thesis         | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |

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| Subject | Number | Title                                     | Course Description   |
|---------|--------|---|--|
| MUTH    | 5990   | Special Studies in Music Theory           | 1 to 3 hours. Prerequisite: 30 hours of music, permission of the director of the school. May be repeated with change of subject matter; maximum graduate credit six hours. Individual study, research and analysis in music theory. (F, Sp, Su)  |
| MUTH    | 5999   | Graduate Level Transfer Credit            | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| MUTH    | 6960   | Directed Readings                         | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| MUTH    | 6970   | Special Topics/Seminar                    | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)                             |
| MUTH    | 6990   | Independent Study                         | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.) |
| MUTK    | 1999   | Lower Division Transfer Credit            | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| MUTK    | 3999   | Upper Division Transfer Credit            | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| MUTK    | 4113   | Understanding Electroacoustic Music       | Prerequisite: sophomore, junior or senior standing. Designed to explore the genre of electroacoustic music, primarily through listening, reading and in-class conversations. (Irreg.)  |
| MUTK    | 4133   | Introduction to Digital Signal Processing | Prerequisite: sophomore, junior, or senior standing. Introduction to the theory of digital audio and various digital signal processing applications. (Irreg.)  |
| MUTK    | 4143   | Advanced Digital Signal Processing        | Prerequisite: 4133. Advanced methods and theories of digital audio and digital signal processing applications. (Irreg.)  |
| MUTK    | 4153   | Interactive Performance                   | Prerequisite: 4143 and junior or senior standing. Designed to creatively explore the real-time interaction between performers and computer through reading, listening, and programming. (Irreg.)   |
| MUTK    | 4163   | Real Time MIDI Control                    | Prerequisite: 4133 and sophomore, junior, or senior standing. An introduction to the real-time MIDI control and various MIDI processing applications through reading, listening, and composing. (Irreg.)   |
| MUTK    | 4173   | Recording Techniques                      | Prerequisite: 4183 and junior or senior standing. Provides an understanding to the fundamentals of recording techniques and studio procedures. (Irreg.)  |
| MUTK    | 4183   | Sound Design                              | Prerequisite: sophomore, junior, or senior standing. A course designed to expand ones knowledge of MIDI sequencing, software-hardware synthesizers, and digital audio editing. (Irreg.)  |
| MUTK    | 4960   | Directed Readings                         | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)                          |
| MUTK    | 4970   | Undergraduate Seminar                     | Prerequisite: sophomore standing. 1 to 3 hours. May be repeated with change with change of content; maximum credit nine hours. In depth look at advanced topics of various fields of electroacoustic music. (Irreg.)   |
| MUTK    | 4990   | Independent Study                         | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| MUTK    | 5999   | Graduate Level Transfer Credit            | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| N S     | 0110   | Leadership Development                          | Designed to expose NROTC students to the professional development of a military officer. This is accomplished through military drill, guest lecturers, command situation and role enactment training. The goal is to better prepare young men and women to serve as naval officers in various fleet assignments. (F, Sp)  |
| N S     | 1132   | Introduction to Naval Science                   | Presents an overview of the mission and organization of the Department of Defense with particular emphasis on the Naval Service. Among the topics covered are military law, leadership fundamentals, naval heritage, naval customs and traditions, and career opportunities for Navy and Marine Corps officers. The course is designed for freshmen enrolled in NROTC but is open to all interested University students. Course materials are provided. (F)                   |
| N S     | 1133   | Sea Power And Maritime Affairs                  | Sea Power And Maritime Affairs. Traces The Development Of Sea Power And Analyzes Its Influence On Maritime Strategy Through The Study Of Major Events In Naval History. Students Will Develop An Appreciation For The Overlapping Roles That National Interests, Technical Advances, Maritime Strategists, And Individual Leaders Play In The Formulation Of U.S. Security Strategy And Policy. Open To All Interested University Students. Textbooks Are Provided. (Sp)      |
| N S     | 1999   | Lower Division Transfer Credit                  | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| N S     | 2113   | Leadership and Management                       | Designed to teach introductory-level leadership and management concepts and applications to sophomore-level Naval ROTC midshipmen and all other interested University students. (Irreg.)  |
| N S     | 2133   | Navigation                                      | Introduction to marine navigation, including both traditional and electronic navigation theory and practical applications. Includes concepts in navigational safety, rules of the nautical road, and an introduction to relative motion. (Sp)   |
| N S     | 3223   | Naval Ship Systems I: Naval Engineering Systems | Prerequisite: 1132. Detailed study of ship characteristics and types, including design, hydrodynamics, stability, compartmentation, propulsion, electrical and auxiliary systems. Includes study of basic concepts of steam, gas turbine, diesel and nuclear propulsion. Case studies on leadership/ethical issues in engineering are also covered. (Sp)  |
| N S     | 3333   | Evolution of the Art of War                     | Principles of war, offensive and defensive war, historical campaigns, civil war. (F)  |
| N S     | 3433   | Naval Ship Systems II - Naval Weapons Systems   | Prerequisite: 1132 or permission of instructor. Outlines theory and employment of weapon systems. Student explores processes of detection, evaluation, threat analysis, weapon selection, delivery, guidance and explosives. Fire control systems and studies involving the moral and ethical responsibilities of leaders in the employment of weapons. (F)   |
| N S     | 3440   | Mentored Research Experience                    | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| N S     | 3999   | Upper Division Transfer Credit                  | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| N S     | 4433   | Naval Operations and Seamanship                 | Prerequisite: 2133 or permission of instructor. Advanced navigation concepts, including applications to shipboard evolutions and operations. Overview of operational security and tactical communications. Introduction to the law of the sea and international maritime law, naval warfare doctrine and joint operations. (F)  |
| N S     | 4443   | Fundamentals of Maneuver Warfare                | Prerequisite: ENGL 1213. To provide students with the necessary knowledge to understand the fundamentals of maneuver warfare and appreciate the complexities and dynamics posed by the art and science of warfare. (Sp)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| N S     | 4633   | Naval Leadership and Ethics                       | Prerequisite: 2113 or permission of instructor. An examination of leadership, ethical concepts, and management of naval (Navy and Marine Corps) resources. Objective is to learn the leadership skills, ethical expectations, and management techniques necessary to succeed as a naval officer in leading people and using limited resources in the most efficient manner. Encompasses leadership and ethical readings, discussion of the uniform code of military justice, and specific service guidance for junior officers. (F, Sp)   |
| N S     | 5999   | Graduate Level Transfer Credit                    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| NAS     | 1013   | Introduction to Native American Studies           | This course will introduce students to key concepts and methods in the study of American Indian history, culture, and contemporary governance and socio-economic status. (F, Sp) [IV-NW]  |
| NAS     | 1999   | Lower Division Transfer Credit                    | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| NAS     | 2013   | Foundations in Native American Sovereignty        | Prerequisite: sophomore standing or permission of instructor. Introduces the key concepts and methods in the discipline of Native American Studies. Explores the foundational theories, concepts, areas, and methodologies of Native American Studies. Examines the scope and nature of the inherent right and responsibility of tribal sovereignty and self-government. Students will gain understanding of the historical origins of the current laws and policies that constitute the legal, economic, social and political foundations for the environment in which tribal sovereignty operates today, the leadership and persistence of Native peoples in the policy formation process, and the concept of sovereignty and its various interpretations. (Irreg.) |
| NAS     | 3013   | Native American Studies Internship                | Prerequisite: permission of instructor. Participation in a supervised work experience. Grade is based on work performance, regular reports and journals, and on-site supervisor's evaluation. (F, Sp, Su)   |
| NAS     | 3113   | Native American Philosophy                        | Prerequisite: junior standing or permission of instructor. A survey of systems of understanding and explaining the relationships between human beings and the natural world in Native American cultures including; concepts of power, spirituality, and ceremonialism; ethical systems; and culturally based ways of knowing. (F) [IV-NW]   |
| NAS     | 3123   | Gender and Sexuality in Native North America      | Prerequisite: junior standing. Study of gender and sexuality that is indigenous to North American tribal groups, focusing on the status of pre-colonial gender-non-normative peoples. Emergent analyses within Native studies will point to the gendered nature of colonialism by interrogating Western ontological models from Victorian-era and early anthropological ideas about sexuality. (Sp) [IV-NWC]  |
| NAS     | 3313   | Introduction to Native Peoples and Sustainability | Prerequisite: junior standing. Explores the concept of sustainability from a Native perspective, and as it applies to Native peoples. Emphasis is placed on cultural resilience and identity, human-environment relationships, policy and politics of tribal sovereignty in Native North America. (F)   |
| NAS     | 3323   | Tribal Service Learning                           | Prerequisite: junior standing. Exploration of contemporary issues relevant to Native American tribes and communities, utilizing critical thinking and problem-solving skills relevant to contemporary issues within the Indian Country to develop and implement a service project for a tribe or Native American community. (F, Sp)   |
| NAS     | 3440   | Mentored Research Experience                      | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)   |
| NAS     | 3513   | Native American Film                              | Prerequisite: junior standing or permission of instructor. A critical investigation of the role that film, as an art genre, has played in creating the general public's idea of the American Indian, and its construction of images representing that idea. (Su)  |

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| Subject | Number | Title                                       | Course Description  |
|---------|--------|---|---|
| NAS     | 3693   | Special Topics                              | Prerequisite: six hours of NAS courses. May be repeated twice with a change in topic. Covers topics of special interest to NAS such as politics and tribal government, contemporary health issues, educational policies and trends, and tribal culture in the U.S. and Oklahoma. (F, Sp, Su)  |
| NAS     | 3960   | Honors Reading                              | Prerequisite: admission to Honors Program and permission of instructor. May be repeated with change of content; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. This course will allow the honors candidate the opportunity to study materials not offered in other courses. (F, Sp, Su)   |
| NAS     | 3970   | Honors Seminar                              | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| NAS     | 3980   | Honors Research                             | Prerequisite: admission to Honors Program. May be repeated with change of content; maximum credit six hours. The study of issues related to Native American Studies for the gifted Honors candidate allowing him/her to work on a special project. (F, Sp, Su)  |
| NAS     | 3990   | Independent Study                           | 1 to 3 hours. Prerequisite: six hours of NAS major courses and permission of instructor. May be repeated; maximum credit six hours. Work on a topic of the student's choosing taken under the direct supervision of a faculty member. May involve directed reading and research or participation in a community-based activity. Students will be required to give a written report or research papers. (F, Sp)  |
| NAS     | 3999   | Upper Division Transfer Credit              | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| NAS     | 4033   | Research Methods in Native American Studies | (Slashlisted with 5033) Prerequisite: junior standing and permission of instructor. Introduction to research methods in Native American Studies with an emphasis on interdisciplinarity. Students will be introduced to the range of methods available for analysis, and to the presentation of research results. Students will formulate a research proposal that includes problem identification, recommendation and justification of methods for analysis, and preparation of a critical literature review. Emphasis on Indigenous methodologies and ethical issues in research. No student may earn credit for both 4033 and 5033. (Irreg.) |
| NAS     | 4043   | Sovereignty, Law, and Policy                | (Slashlisted with 5043) Prerequisite: junior standing or permission of instructor. Explores what constitutes the basic nature of political sovereignty and how it is exercised in Native American communities and what the possibilities and limitations are for tribal governments. No student may earn credit for both NAS 4043 and NAS 5043. (Irreg.)  |
| NAS     | 4053   | Senior Capstone                             | Prerequisite: senior standing. Provides a culminating experience giving students the opportunity to incorporate knowledge gained through previous coursework. Students will integrate this knowledge into a final project. (Sp) [V]   |
| NAS     | 4063   | Critical Indigenous Theory                  | (Slashlisted with 5063) Prerequisite: senior standing. Seeks to transcend disciplinary boundaries and ground scholarly inquiry in Indigenous frameworks that reflect Native-centered concerns and objectives. Provides an alternative philosophical and theoretical toolkit for applying Indigenous methodologies, understanding strategies of decolonization, envisioning collective and individual agency and models of sovereignty, and examining the intersection of Indigenous intellectual production and lived experiences. No student may earn credit for both 4063 and 5063. (F)   |
| NAS     | 4113   | Oklahoma Tribal History                     | (Slashlisted with 5113) Prerequisite: junior standing. A survey of Native American history for the area known today as Oklahoma and the surrounding region. Explores the general concepts and histories of the region from a Native perspective. Discussion of Oklahoma tribal experiences in the context of regional and national experiences. Examines the Oklahoma Native experience through the world-views and words of Native Americans. No student may earn credit for both 4113 and 5113. (Irreg.)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| NAS     | 4133   | Tribal Historic Preservation                       | (Slashlisted with 5133) Prerequisite: junior standing or permission of instructor. Provides basic grounding in processes necessary to understand and participate in the federal tribal historic preservation program. Students will receive material and insights to help them gain skills in understanding laws and regulations relating to the federal historic preservation system. No student may earn credit for both 4133 and 5133. (Irreg.)   |
| NAS     | 4333   | American Indian Health Issues and Concerns         | Prerequisite: junior standing or permission of instructor. Historical information about American Indians with emphasis on health, including behavioral health, and tribal/Indian health service policy issues. Discusses traditional medicine and healing, research needs related to American Indian health, and career opportunities in health professions. (Irreg.)  |
| NAS     | 4343   | American Indian Education Policy and Development   | (Slashlisted with 5343) Prerequisite: junior standing or permission of instructor. Enables students to come to an understanding of American Indian education history and policy as related to western European educational thought, philosophies, theories, and practices. No student may earn credit for both 4343 and 5343. (Sp) [III-SS]  |
| NAS     | 4353   | Introduction to Tribal Economic Development        | (Slashlisted with 5353) Prerequisite: junior standing. Introduces students to the concept of tribal economic development and the relevant issues facing tribal, local, state, and federal agencies. Examines theories and roles of tribal economic development as they relate to the survival and continuation of tribal governments. No student may earn credit for both 4353 and 5353. (Irreg.)  |
| NAS     | 4363   | Tribal Governance and Leadership                   | (Slashlisted with 5363) Prerequisite: junior standing. Examines traditional and contemporary forms of tribal government and leadership. Students will be exposed to the historical development of modern tribal governments through examination of government policies and legislation. Explores contemporary issues in tribal government and styles of tribal leadership. No student may receive credit for both 4363 and NAS 5363. (Irreg.)  |
| NAS     | 4513   | Native Cultural Aesthetics & the Heritage Industry | (Slashlisted with 5513) Prerequisite: junior standing. Focus on aspects of heritage tourism pertaining to Native American experience in the United States from early 19th century to present, examining ways of life of tribes in the form of buildings, art, artifacts, and customs. No student may earn credit for both 4513 and 5513. (Irreg.) [IV-NW]  |
| NAS     | 4523   | Contemporary Native American Artist                | Prerequisite: junior standing or permission of instructor. Discussion of the broad and modern sensibilities that make up the contemporary diversity of the indigenous arts and people of the North American hemisphere. May include but not limited to artwork dealing with race, class, tribal sovereignty, as well as formalist modes. Introduction to a survey of common methods of contemporary artistic practice. (Irreg.) [IV-NW]  |
| NAS     | 4533   | Contemporary Native American Artist II             | (Slashlisted with 5533) Prerequisite: junior standing, NAS 4523 or permission of instructor. A continuation of NAS 4523. Explores the modern sensibilities that make up the contemporary diversity of indigenous arts and people of this hemisphere. Focuses on native art from North America, Canada, and Latin America. No student may earn credit for both 4533 and 5533. (Sp) [IV-NW]  |
| NAS     | 4543   | Understanding Native American Art of Today         | (Slashlisted with 5543) Prerequisite: junior standing. Contemporary indigenous artistic forms made by non-western Native cultures and First Peoples of this hemisphere. Presents ideas from artists which speak to issues in contemporary society today. Themes include issues of race, class, gender, tribal sovereignty and formal artistic forms of expression. Introduces students to a diverse variety of contemporary types of art practice, encourages students to become comfortable with engaging artistic forms as well as assessing artistic and cultural value, and fosters a life-long affinity with the creative arts and patronage. No student may earn credit for both 4543 and 5543. (Irreg.) [IV-NW] |
| NAS     | 4923   | Contemporary Issues in Native American Studies     | (Slashlisted with 5923) Prerequisite: junior standing. Familiarizes and sensitizes students to dynamics of change relevant to prevailing issues and concerns among American Indian entities with a special focus on tribal development/progress. No student may earn credit for both 4923 and 5923. (Irreg.) [IV-NW]   |



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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| NAS     | 4960   | Directed Readings                                | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| NAS     | 4970   | Special Topics/Seminar                           | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated with change of topic; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library research or special projects. (Irreg.)  |
| NAS     | 4973   | Contemporary Native American Artist III          | Prerequisite; junior standing. A continuation of 4893. Explores the modern sensibilities that make up the contemporary diversity of indigenous arts and people of this hemisphere. Focuses on native art from North America, Canada, and Latin America. (Sp)   |
| NAS     | 4990   | Independent Study                                | Prerequisite: nine hours of NAS courses and permission of Program Director or instructor. May be repeated; maximum credit six hours. The study of issues related to Native American Studies to include research and special projects. (F, Sp, Su)  |
| NAS     | 5033   | Research Methods in Native American Studies      | (Slashlisted with 4033) Prerequisite: graduate standing. Introduction to research methods in Native American Studies with an emphasis on interdisciplinarity. Students will be introduced to the range of methods available for analysis, and to the presentation of research results. Students will formulate a research proposal that includes problem identification, recommendation and justification of methods for analysis, and preparation of a critical literature review. Emphasis on Indigenous methodologies and ethical issues in research. No student may earn credit for both 4033 and 5033. (Irreg.)                     |
| NAS     | 5043   | Sovereignty, Law, and Policy                     | (Slashlisted with NAS 4043) Prerequisite: graduate standing. Explores what constitutes the basic nature of political sovereignty and how it is exercised in Native American communities and what the possibilities and limitations are for tribal governments. No student may earn credit for both NAS 4043 and NAS 5043. (Irreg.)   |
| NAS     | 5063   | Critical Indigenous Theory                       | (Slashlisted with NAS 4063) Prerequisite: graduate standing or student in the College of Law. Seeks to transcend disciplinary boundaries and ground scholarly inquiry in Indigenous frameworks that reflect Native-centered concerns and objectives. Provides an alternative philosophical and theoretical toolkit for applying Indigenous methodologies, understanding strategies of decolonization, envisioning collective and individual agency and models of sovereignty, and examining the intersection of Indigenous intellectual production and lived experiences. No student may earn credit for both NAS 4063 and NAS 5063. (F) |
| NAS     | 5113   | Oklahoma Tribal History                          | (Slashlisted with 4113) Prerequisite: graduate standing. A survey of Native American history for the area known today as Oklahoma and the surrounding region. Explores the general concepts and histories of the region from a Native perspective. Discussion of Oklahoma tribal experiences in the context of regional and national experiences. Examines the Oklahoma Native experience through the world-views and words of Native Americans. No student may earn credit for both 4113 and 5113. (Irreg.)   |
| NAS     | 5133   | Tribal Historic Preservation                     | (Slashlisted with 4133) Prerequisite: Graduate standing. Provides basic grounding in processes necessary to understand and participate in the federal tribal historic preservation program. Students will receive material and insights to help them gain skills in understanding laws and regulations relating to the federal historic preservation system. No student may earn credit for both 4133 and 5133. (Irreg.)   |
| NAS     | 5343   | American Indian Education Policy and Development | (Slashlisted with 4343) Prerequisite: graduate standing. Enables students to come to an understanding of American Indian education history and policy as related to western European educational thought, philosophies, theories, and practices. No student may earn credit for both 4343 and 5343. (Sp)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| NAS     | 5353   | Introduction to Tribal Economic Development        | (Slashlisted with 4353) Prerequisite: graduate standing. Introduces students to the concept of tribal economic development and the relevant issues facing tribal, local, state, and federal agencies. Examines theories and roles of tribal economic development as they relate to the survival and continuation of tribal governments. No student may earn credit for both 4353 and 5353. (Irreg.)  |
| NAS     | 5363   | Tribal Governance and Leadership                   | (Slashlisted with 4363) Prerequisite: graduate standing. Examines traditional and contemporary forms of tribal government and leadership. Students will be exposed to the historical development of modern tribal governments through examination of government policies and legislation. Explores contemporary issues in tribal government and styles of tribal leadership. No student may receive credit for both 4363 and 5363. (Irreg.)  |
| NAS     | 5513   | Native Cultural Aesthetics & the Heritage Industry | (Slashlisted with 4513) Prerequisite: graduate standing. Focus on aspects of heritage tourism pertaining to Native American experience in the United States from early 19th century to present, examining ways of life of tribes in the form of buildings, art, artifacts, and customs. No student may earn credit for both 4513 and 5513. (Irreg.)  |
| NAS     | 5533   | Contemporary Native American Artist II             | (Slashlisted with 4533) Prerequisite: graduate standing. Explores the modern sensibilities that make up the contemporary diversity of indigenous arts and people of this hemisphere. Focuses on native art from North America, Canada, and Latin America. No student may earn credit for both 4533 and 5533. (Sp)  |
| NAS     | 5543   | Understanding Native American Art of Today         | (Slashlisted with 4543) Prerequisite: graduate standing. Contemporary indigenous artistic forms made by non-western Native cultures and First Peoples of this hemisphere. Presents ideas from artists which speak to issues in contemporary society today. Themes include issues of race, class, gender, tribal sovereignty, and formal artistic forms of expression. Introduces students to a diverse variety of contemporary types of art practice, encourages students to become comfortable with engaging artistic forms as well as assessing artistic and cultural value, and fosters a life-long affinity with the creative arts and patronage. No student may earn credit for 4543 and 5543. (Irreg.) |
| NAS     | 5920   | Native American Studies Practicum                  | Prerequisite: graduate standing. A component of the core curriculum for the master's credential within the NAS discipline. Provides learning experiences and the application of understanding and skills in American Indian related professional settings. (F, Sp, Su)   |
| NAS     | 5923   | Contemporary Issues in Native American Studies     | (Slashlisted with 4923) Prerequisite: graduate standing. Familiarizes and sensitizes students to dynamics of change relevant to prevailing issues and concerns among American Indian entities with special focus on tribal development/progress. No student may earn credit for both 4923 and 5923. (Irreg.)   |
| NAS     | 5960   | Directed Readings                                  | 1 to 3 hours. Prerequisite: graduate standing and permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| NAS     | 5970   | Special Topics/Seminar                             | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated with change of topic; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library research or special projects. (Irreg.)  |
| NAS     | 5980   | Research for Master's Thesis                       | Prerequisite: graduate standing. Variable enrollment, two to six hours; maximum credit applicable toward degree, six hours. (F, Sp, Su)  |
| NAS     | 5990   | Independent Study                                  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| NAS     | 5999   | Graduate Level Transfer Credit                     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| NPNG    | 2033   | Fundamentals of Nonprofit Management I             | A comprehensive overview of the nonprofit sector, its characteristics, and how to manage a nonprofit organization. Examines a wide range of management issues today's nonprofits face in pursuing their missions and daily operations. (F, Sp)   |

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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| NPNG    | 3033   | Fundamentals of Nonprofit Management II | Prerequisite: NPNG 2033 and junior standing or permission of department. A more detailed look at how to manage or govern a well-run nonprofit organization efficiently. Combines academic theory with real-life experience, equipping students with the tools required to effectively lead a nonprofit organization. (F, Sp)  |
| NPNG    | 3193   | Nonprofits and Government               | (Crosslisted with P SC 3193) Prerequisite: NPNG 2033 and junior standing or permission of instructor. Examines nonprofit-government relationships in addressing societal problems. The nonprofit sector and government closely interact with each other in the realms of public policy and service delivery. Nonprofit roles in the domain of service delivery have intensified in recent years and thus triggered numerous research interests in academic and practical concerns for both government and nonprofit organizations. (Sp) |
| NPNG    | 3593   | Nongovernmental Organizations           | (Crosslisted with P SC 3593) Prerequisite: P SC 1113 and junior standing or permission of instructor. Provides an understanding of the political role of nongovernmental organizations (NGOs) in global as well as local politics. Introduces practical knowledge about the activities of NGOs in various policy fields. Provides information about transnational advocacy, nongovernmental networks, agenda setting, civil society mobilization, and contentious politics. (Irreg.)  |
| NPNG    | 3761   | Event Planning                          | (Crosslisted with P SC 3761) Prerequisite: P SC 1113 or junior standing. Covers the basic techniques and processes behind event planning and management. A hands-on course giving students the opportunity to pitch event ideas to the class. Event management and planning will delve deeper into the process that surround events: budgeting, venue choices, fundraising, etc. (Irreg.)   |
| NPNG    | 3771   | Issue Advocacy                          | (Crosslisted with P SC 3771) Prerequisite: P SC 1113 or junior standing. Designed to provide a practical application of the theories and concepts acquired in the study of political science and public administration. How to be effective advocates at all levels of government for the issues and ideas they seek to see implemented in public policy will be learned. (Irreg.)  |
| NPNG    | 3781   | Tracking Legislation                    | (Crosslisted with P SC 3781) Prerequisite: P SC 1113 or junior standing. Designed to provide a practical application of the theories and concepts acquired in the study of political science and public administration. How to read and track legislation in the State of Oklahoma will be learned. Additionally, students will learn the inner workings of state government from a legislative perspective. (Irreg.)   |
| NPNG    | 3910   | Nonprofit Internship                    | 1 to 3 hours. Prerequisite: junior standing and permission of instructor. May be repeated; maximum credit six hours. Interns observe and participate in functions, processes and actions of nonprofit organizations. This experience can enhance a student's knowledge of the requirements, benefits and lessons of working in the public or non-profit sector. (F, Sp, Su)   |
| NPNG    | 4033   | Managing the Nonprofit Organization II  | Prerequisite: NPNG 3033 or permission of instructor. A continuation of nonprofit organization management, with emphasis on board members, volunteers, paid staff, accountability, interactions, risk management, finances, and trending. (Sp)   |
| NPNG    | 4203   | Fundraising and Philanthropy            | Prerequisite: NPNG 2033 and senior standing or permission of instructor. Provides a comprehensive overview for those interested in entering the fundraising field or learning more about methods, technology and concepts in the development area of the nonprofit sector. The sources of funding and how to apply fundraising strategies will be studied. (Irreg.)   |
| NPNG    | 4243   | Grants and Contracts                    | (Crosslisted with P SC 4342) Prerequisite: P Sc 1113 and junior standing or permission of instructor. Provides the necessary background to apply project management and development skills to the process of writing grant and contract proposals for public affairs organizations. Topics will include: needs assessment, searching for funding, budget development, and project evaluation. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| NPNG    | 4303   | Communications and Public Relations in Nonprofit Organizations | Prerequisite: NPNG 2033 and senior standing or permission of instructor. Provides students with the concepts and tools to conduct research and analyses, identify and evaluate target markets, explore opportunities to effectively communicate with new clients, donors and volunteers, and design effective web-based and social media tactic as part of an integrated marketing and communication strategy will be learned. (F)  |
| NPNG    | 4503   | Program Evaluation for Nonprofits                              | Prerequisite: NPNG 2033 and senior standing or permission of instructor. Intended to provide an appreciation of the contributions and limitations of program evaluation and the basic skills needed to conduct evaluations. Emphasis will be given to coping with the conceptual, methodological, organizational, political, and ethical problems that face evaluators. The various tasks facing evaluators, from developing questions to presenting data, will be discussed. (Irreg.)      |
| NPNG    | 5033   | Nonprofits: The Sector and The System                          | Prerequisites: graduate standing or permission of instructor. Understanding the relationship between government and nonprofits is fundamental for the survival of the sector. Nonprofits implement public policy, receive government funding, respond to natural disasters, and help form legislation. The course includes an examination of broad theoretical, empirical and practical spectrum of nonprofit-public collaborations, conflicts, and resultant policy implications. (Irreg.) |
| NPNG    | 5413   | Nonprofit Law and Policy                                       | Prerequisites: graduate standing or permission of instructor. Examines how policy influences nonprofits and how nonprofits impact policy. It will address the role of nonprofits in public policy and how laws shape nonprofit involvement by reviewing state and federal policy including legal forms, fundraising regulations, and employee compensation. Students will gain an understanding of nonprofit activities within a basic legal framework. (Irreg.)                            |
| NPNG    | 5701   | Nonprofit Fundraising and Grantmaking                          | Prerequisites: graduate standing or permission of instructor. Assists students in securing resources for nonprofits by understanding techniques for fundraising, conducting prospect research, practicing appropriate stewardship, leading campaigns for various types of giving, writing grants, utilizing technology to facilitate resource development, and implementing creative approaches to fundraising. (Irreg.)  |
| NPNG    | 5711   | Nonprofit Financial Management                                 | Prerequisites: graduate standing or permission of instructor. Introduces financial concepts required for effective management of nonprofit organizations. Offers an opportunity to learn about nonprofit accounting, budget management, financial planning, tax issues, grant compliance, audits, cash flow management, and capital financing. (Irreg.)   |
| NPNG    | 5721   | Nonprofit Human Resources                                      | Prerequisites: graduate standing or permission of instructor. Focuses on the knowledge and skills required by those who manage personnel. The course provides a solid base to understanding human resource management and applying that to work-life situations for those considering a career in management. Also investigates the essential concepts and federal laws that shaped human resource management. (Irreg.)   |
| NS      | 5999   | Graduate Level Transfer Credit                                 | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| NURS    | 1999   | Lower Division Transfer Credit                                 | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| NURS    | 3999   | Upper Division Transfer Credit                                 | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| NURS    | 4990   | Nursing/Contemp Issues   | Contemporary Issues in Nursing.   |
| NURS    | 5999   | Graduate Level Transfer Credit                                 | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| OBOE    | 1999   | Lower Division Transfer Credit                                 | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| OBOE    | 2000   | Freshman and/or Sophomore Secondary Oboe             | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| OBOE    | 2020   | Oboe for Music Majors: Freshman/Sophomore            | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| OBOE    | 3440   | Mentored Research Experience                         | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| OBOE    | 3999   | Upper Division Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| OBOE    | 4000   | Junior and/or Senior Secondary Oboe                  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| OBOE    | 4020   | Oboe for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| OBOE    | 5000   | Master's-Level Secondary Oboe                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| OBOE    | 5010   | Master's-Level Oboe for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| OBOE    | 5020   | Master's-Level Oboe for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| OBOE    | 5999   | Graduate Level Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| OBOE    | 6000   | Doctoral Secondary Oboe                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| OBOE    | 6010   | Doctoral Oboe for Non-Performance Music Majors       | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| OBOE    | 6020   | Doctoral Oboe for Performance Majors                 | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| ODYN    | 5113   | The Psychology of Leadership                         | Prerequisite: graduate standing or permission of instructor. Focuses on the theories, principles, and practice of leadership in organizational settings; particular focus on technologically based organizations, leading change in organizations, and leading teams. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| ODYN    | 5123   | Survey of Organizational Dynamics                | Prerequisite: admission to the Organizational Dynamics program or instructor's consent. Overview of theories and practices used in human resource management; project management; and knowledge management. Emphasis is on research methodologies and key theories relevant to each of the three substantive area, as well as application of general principles of each of the three areas in the workforce, considering individual, group and organizational levels. (Irreg.)                                  |
| ODYN    | 5133   | Teams and Motivation                             | Prerequisite: graduate standing or permission of instructor. Team formation, socialization and identity, team problem solving, individual and collective motivation, conflict and power, learning and team development, and group liabilities. (Irreg.)   |
| ODYN    | 5153   | Design, Evaluation, and Statistics               | Prerequisite: graduate standing or permission of instructor. Covers applied research designs such as quasi-experimental and correlation designs; covers basic statistics, hypothesis testing, correlation/multiple regression, and quality control models. Focus will be on application of statistics in organizational problem solving. (Irreg.)   |
| ODYN    | 5163   | Applied Measurement and Analysis                 | Prerequisite: graduate standing or permission of instructor. Focuses on teaching principles and practices of individual and organizational assessment, covering concepts such as validity, reliability, survey and instrument development, and characteristics of organizational data. Techniques for analyzing organizational data and conducting program evaluation will also be discussed. (Irreg.)  |
| ODYN    | 5183   | Capstone Project                                 | Prerequisite: graduate standing or permission of instructor. This capstone project will involve "real-world" application of the material covered in the program. (Irreg.)   |
| ODYN    | 5223   | Performance Management                           | Prerequisite: 5153 and 5163, or permission of instructor. Covers basic approaches to motivating and developing individuals to perform well within organizational settings; includes discussion of alternative methods for measuring and assessing individual, team, and organizational performance. (Irreg.)  |
| ODYN    | 5233   | Training and Career Development                  | Prerequisite: graduate standing or permission of instructor. Overview of principles, theories, and practices of learning and development in organizations. Application of various training techniques and designs will be covered as well as roles of different organizational constituencies in employee training and development. (Irreg.)  |
| ODYN    | 5243   | Staffing, Selection, and Compensation            | Prerequisite: graduate standing or permission of instructor. Focuses on recent, state-of-the-art processes and technologies for organizational staffing, personnel selection, and employee benefits and pay. Relevant theories in these areas will be reviewed. (Irreg.)  |
| ODYN    | 5253   | Organizational Behavior, Change, and Development | Prerequisite: graduate standing or permission of instructor. Explores theories and practices related to the planned process of changing an organization or group's culture to increase organizational productivity and effectiveness. Topics such as organizational assessment and diagnosis, continuous learning, problem solving sessions, reward systems, visioning, and empowerment will be covered. (Irreg.)   |
| ODYN    | 5263   | Human Resource Management Systems and Techniques | Prerequisite: admission to Organizational Dynamics program or permission of instructor. Survey of theory and practice in primary areas of human resource management such as workforce planning, recruiting, selection and staffing, performance management, compensation, and training and development. Focuses on a systems approach to human resource management, including how aspects of HRM are interrelated, as well as strategies and technologies being used to perform various HRM functions. (Irreg.) |
| ODYN    | 5273   | Topics in Human Resource Management              | Prerequisite: graduate standing or permission of instructor. In-depth examination of existing and emerging issues and problems facing human resource professionals who work as internal or external consultants and administrators. May include issues such as human resource costing, equal employment opportunity, downsizing, selection, training, and globalization. (Irreg.)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| ODYN    | 5283   | Employee Health, Safety and Wellness              | Prerequisite: admission to Organizational Dynamics program or permission of instructor. Focuses on health, safety and wellness issues relevant to the workplace. Individual, social, situational and environmental factors that affect workplace health, safety and wellness will be covered, including topics such as: stress and burnout; work-life conflict; workplace safety and injury prevention; legal and regulatory compliance; and workplace conflict, aggression, and violence. (Irreg.)                                    |
| ODYN    | 5313   | Planning Processes and Strategy Development       | Prerequisite: graduate standing or permission of instructor. Overview of principles and practices of planning and strategy development. Planning processes will be examined at micro as well as macro organizational levels; organizational strategies such as succession planning and workforce planning will be discussed. (Irreg.)  |
| ODYN    | 5323   | The Psychology and Practice of Project Management | Prerequisite: graduate standing or permission of instructor. Focuses on strategies and steps involved in developing project proposals and work plans. Includes topics such as needs assessment, budgeting, resource utilization, managing diverse project teams, troubleshooting, and others. (Irreg.)   |
| ODYN    | 5333   | Customer Service and Market Analysis              | Prerequisite: 5153 or permission of instructor. Principles, theories and applications of market analysis and customer service will be reviewed; techniques for gathering, assessing, and analyzing market and customer data will be covered; techniques for improving customer service will be discussed. (Irreg.)   |
| ODYN    | 5343   | Organizational Communication                      | Prerequisite: graduate standing or permission of instructor. Overview of theories and systems of communication in organizational settings. Various forms and effectiveness of communication as well as purposes and strategies at different organizational levels will be covered. (Irreg.)  |
| ODYN    | 5353   | Global Business Practices and Ethics              | Prerequisite: graduate standing or permission of instructor. Covers the relationship between organizations and global markets. Explores how organizational systems work together to meet global demands, system breakdowns, and assessment of organizational performance. (Irreg.)   |
| ODYN    | 5383   | Emerging Topics in Project Management             | Prerequisite: admission to Organizational Dynamics program or instructor's consent. In-depth examination of existing and emerging issues and problems facing project management professionals who work as internal or external consultants. May include issues such as risk management, project selection, conflict resolution, and strategic management decision processes. (Irreg.)  |
| ODYN    | 5960   | Directed Readings                                 | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| ODYN    | 5970   | Special Topics/Seminar                            | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| ODYN    | 5973   | Proposing and Presenting Research                 | Prerequisite: admission to Organizational Dynamics master's program. Students in the course will learn to (a) read, synthesize and summarize existing research in organizational dynamics; (b) develop a research proposal that is founded in real world problems, that is based on sound research principles, and that meets accepted standards for professional and scholarly publication. The proposal, on approval of the faculty, may serve as the prospectus for either the professional project or the master's thesis. (F, Sp) |
| ODYN    | 5980   | Research for Master's Thesis                      | Prerequisite: permission of instructor. Supervised research in area agreed upon by the student and the instructor. (F, Sp, Su)   |
| ODYN    | 5990   | Independent Study                                 | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| ORGN    | 1999   | Lower Division Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| ORGN    | 2000   | Freshman and/or Sophomore Secondary Organ             | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| ORGN    | 2020   | Organ for Music Majors: Freshman/Sophomore            | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 8 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)   |
| ORGN    | 3440   | Mentored Research Experience                          | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| ORGN    | 3999   | Upper Division Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| ORGN    | 4000   | Junior and/or Senior Secondary Organ                  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| ORGN    | 4020   | Organ for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: majors only; junior standing. May be repeated; maximum credit 14 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| ORGN    | 5000   | Master's-Level Secondary Organ                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| ORGN    | 5010   | Master's-Level Organ for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| ORGN    | 5020   | Master's-Level Organ for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| ORGN    | 5999   | Graduate Level Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| ORGN    | 6000   | Doctoral Secondary Organ                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| ORGN    | 6010   | Doctoral Organ for Non-Performance Music Majors       | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| ORGN    | 6020   | Doctoral Organ for Performance Majors                 | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |



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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| P E     | 1999   | Lower Division Transfer Credit                 | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| P E     | 2011   | Introduction to Petroleum Engineering          | Discuss the various sources of energy and their uses. Outline the full value chain of fossil fuels from exploration to production in light of government regulation and political influence. Recognize the impact of fossil fuel production on society. (Sp)  |
| P E     | 2113   | Statics and Dynamics                           | Prerequisite: Physics 2514 and Mathematics 2934 or 2433 or concurrent enrollment in Mathematics 2934 or 2433. Vector representations of forces and moments; general three-dimensional theorems of statics and dynamics; centroids and moments of area and inertia. Free-body diagrams, equilibrium of a particle and of rigid bodies, principles of work and energy; principle of impulse-momentum. Motion of particles and rigid bodies of translating and rotating reference frames. Newton's laws of motion and Lagrange's equation, including application to lumped-parameter systems. Analyses of trusses, frames, and machines. (F)   |
| P E     | 2153   | Mechanics of Materials                         | Prerequisite: PE 2113. Basic principle of mechanics, including the definition of stress, transformations and principal values for the stress and strain tensors, kinematic relation review of conservation equations and the development and application of consecutive laws for idealized materials. Elementary elastostatics utilizing Hooke's Law; consecutive relations for a linear-elastic continuum, including elastic parameters such as young's modulus, shear and bulk moduli and poisson's ratio. Solution of elementary one- and two-dimensional mechanics problems, including thermal stresses and strains, beam flexure, shear and deflections, pressure vessel and buckling of columns. (Sp) |
| P E     | 2213   | Thermodynamics                                 | Prerequisite: MATH 2934 or 2433 and PHYS 2524 or concurrent enrollment in both MATH 2934 or 2433 and PHYS 2524. First and second law of thermodynamics are developed and applied to the solutions of problems from a variety of engineering fields. Extensive use is made of differential calculus to interrelate thermodynamics functions. (Sp)  |
| P E     | 2281   | Engineering Co-Op Program                      | (Crosslisted with AME, CH E, CEES, C S, ECE, ENGR, EPHY, G E, I E 2281) Prerequisite: student participation in the program. The Co-Op program provides student placement in jobs outside the University, but in a position related to the student's major. On completion of a semester work period, the student submits a brief written report. One hour of credit (elective) granted for each work period, with a maximum credit of six hours. (F, Sp, Su)   |
| P E     | 3022   | Technical Communications                       | Prerequisite: ENGL 1213. Develop skills for communication in a business/technical setting. (Sp)   |
| P E     | 3123   | Petroleum Reservoir Fluids                     | Prerequisite: GEOL 1114, PE 2213, PE 2153. Gain knowledge of properties of naturally occurring fluids in the subsurface. Analyze and interpret contemporary field and laboratory fluid property measurements to construct fluid system models for reservoir performance during depletion. (F)   |
| P E     | 3213   | Reservoir Rock Properties                      | Prerequisite: PE 2011, PE 2213 or concurrent enrollment in PE 2011, PE 2213; corequisite PE 3221. Gain knowledge of properties of reservoir rocks under subsurface conditions, as well as the physical processes which control and alter them. Analyze and interpret contemporary rock properties measurements that address storativity, transmissibility and heterogeneity. (Sp)   |
| P E     | 3221   | Rock Properties Laboratory                     | Prerequisite: PE 3022 or concurrent enrollment, co-requisite PE 3213. Laboratory course aimed at exposing student teams to the design and conducting of experiments and the analysis and interpretation of reservoir properties. Students are expected to summarize experimental results in written research reports. The course will stress safety concerns appropriate for all laboratory procedures, error analyses and report writing. (Sp)   |
| P E     | 3222   | Petroleum Engineering Practice II (Internship) | Prerequisite: P E 2011. Full time Career-related work experience of at least eight weeks in the petroleum industry. The internship may also involve research with faculty members. (F, Su)  |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| P E     | 3223   | Fluid Mechanics                               | Prerequisite: PE 2113, PE 2213 or AME 2213, PE 2153 or AME 2153, Mathematics 2934 or 2443, Mathematics 3113 or concurrent enrollment. Coverage of the fundamental of fluid statics and dynamics. Formulation of the equations of fluid flow such as Navier Stokes, Euler, Bernoulli, etc. and their application. Examples of ideal and viscous fluid flow in open and closed conduits. (F)   |
| P E     | 3313   | Drilling I                                    | Prerequisite: PE 2153 or CEES 2153, PE 3213, PE 3223 or concurrent enrollment in PE 3223. Comprehension of contemporary drilling techniques including: rig systems, drilling cost and economics, drilling fluids, wellbore hydraulics, cementing, pore and fractured pressure gradients and drill bits. Design of balanced pressure systems, with professional and ethical responsibility considerations towards safety, while minimizing common drilling problems such as formation damage, fluid loss, lost circulation, stuck pipe, kick and well control incidents. (F)  |
| P E     | 3413   | Production Engineering I                      | Prerequisite: PE 3123. Comprehension of well completion concepts leading to design for optimum well performance, including nodal analysis for performance prediction. (Sp)   |
| P E     | 3440   | Mentored Research Experience                  | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| P E     | 3513   | Reservoir Engineering I                       | Prerequisite: PE 3123, PE 3213, PE 3723. Combine knowledge of rock and fluid properties in enabling performance prediction and evaluation of hydrocarbon reservoirs, encouraging the understanding of the impact of evolving technology to the development of conventional and unconventional reservoirs. (Sp)   |
| P E     | 3712   | Petroleum Economics                           | Prerequisite: PE 2011. Application of petroleum engineering principles and economics to the evaluation of oil and gas projects. Analysis of the petroleum reserve management system and its use by the securities exchange commission and investors to value corporations. (F)   |
| P E     | 3723   | Numerical Methods for Engineering Computation | Prerequisite: MATH 3113 or MATH 3413 or concurrent enrollment. Course uses software applications tailored for petroleum engineering majors, including methods for obtaining numerical solutions with digital computers, methods for solutions of algebraic and transcendental equations, simultaneous linear equations, and curve fitting techniques. Students will solve contemporary engineering problems using computational numerical methods for solutions in varied technical, societal, global, economic, and environmental applications. Any student who earns credit for P E 3723 cannot receive duplicate credit for AME 3723, C S 3723, or CH E 3723. (F) |
| P E     | 3813   | Formation Evaluation with Well Logs           | Prerequisite: PE 3213; Geology 3003 or concurrent enrollment. Comprehension of various methods of formation evaluation. Application of tool responses to formation evaluation in conventional and unconventional reservoirs. Using these principles to evaluate in-place hydrocarbon volume and the selection of applicable techniques as they evolve to the ever changing exploration environment. (Sp)   |
| P E     | 3960   | Honors Reading                                | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Covers materials not usually presented in regular coursework. (F, Sp)   |
| P E     | 3980   | Honors Research                               | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work on a special project in the student's field. (F, Sp)   |
| P E     | 3990   | Independent Study                             | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |

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| Subject | Number | Title                                | Course Description  |
|---------|--------|--------------------------------------|---|
| P E     | 3999   | Upper Division Transfer Credit       | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| P E     | 4033   | Oil, Gas and Environmental Law       | Prerequisite: PE 3712. Review and analysis of legal principles and leading cases related to oil and gas exploration, production and marketing in the areas of land titles, leases, operating agreements, contracts, acquisitions, gas marketing, environmental regulation, pollution, and litigation. (F)   |
| P E     | 4113   | Oil Field Development                | Prerequisite: EMGT 3001 and declared Energy Management major. Properties of petroleum fluids and reservoir rocks; geophysical environment and exploration methods; drilling and completion methods; well testing; producing mechanisms; evaluation methods. (Sp)  |
| P E     | 4221   | Petroleum Engineering Practice III   | Prerequisite: 3222. Career-related work experience of at least eight weeks in the petroleum industry. (F, Su)   |
| P E     | 4323   | Drilling II                          | Prerequisite: PE 3313. Application of petroleum engineering principles, wellbore, well planning, casing design, direction control, drilling preparation, offshore operations. Team design project and presentation in casing design. Understand and evaluate environmental risk, professional and ethical responsibilities associated in drilling and production operations. Assess impact price of oil has on drilling activities, analyze and compare international drilling and completion concepts under environmental, societal contexts. (F)  |
| P E     | 4331   | Drilling Engineering Laboratory      | Prerequisite: P E 3313. Laboratory course aimed at exposing student teams to the design and conducting of experiments and the analysis and interpretation of drilling and production engineering. The course will stress safety concerns appropriate for all laboratory procedures, error analyses and report writing. (Sp)   |
| P E     | 4423   | Production Engineering II            | Prerequisite: PE 3123 and PE 3223. Course covers separation of produced fluids from wellheads. Each separated stream e.g. oil, gas, water is processed to prepare for final destination which may be storage tanks, long distance transmission pipelines or disposal of produced water. Entails design of oil, gas and water processing systems to meet required professional specifications based on technical, environmental, health and safety issues. (Sp)  |
| P E     | 4521   | Reservoir Fluid Mechanics Laboratory | Prerequisite: PE 3513. Laboratory course aimed at exposing student teams to the design and conducting of experiments and the analysis and interpretation of reservoir fluid mechanics. The course stresses safety concerns appropriate for all laboratory procedures, error analyses and report writing. (F)  |
| P E     | 4533   | Reservoir Engineering II             | Prerequisite: PE 3513. Comprehension of primary and secondary recovery drive mechanisms, including the effects of heterogeneity, for constructing enhanced recovery performance prediction models. (F)  |
| P E     | 4553   | Integrated Reservoir Management      | (Slashlisted with 5553) Prerequisite: PE 3313, PE 3813, PE 4712, PE 4423, PE 4533, PE 4323 or concurrent enrollment in PE 4712, PE 4423, PE 4533, PE 4323. Comprehensive reservoir assessment experience based on knowledge and skills throughout PE curriculum. Results are delivered by teams in oral presentations, written technical and summary reports. Experience incorporates petroleum reserve management system (appropriate engineering standards) and multiple realistic constraints (current economic and political conditions). Requires work flow design tailored to specific reservoirs to resolve production performance, recovery and volumetrics. Capstone course for Petroleum Engineering majors. No student can earn credit for both 4553 and 5553. (F, Sp) [V] |
| P E     | 4563   | Well Test Analysis                   | Prerequisite: PE 3513 or PE 3413. Review of petrophysics and fluid properties related to well testing. Material balance, diffusivity equation, steady-state flow, and pseudosteady-state flow. Analytical model for well tests. Wellbore storage and skin effects. Well test interpretation in conventional formations. Gas well test interpretation. Flow regimes and bounded reservoir behavior. Well test interpretation in fractured, faulted, and dual-porosity formations. Wellbore and near-wellbore phenomena. (Irreg.)   |

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| Subject | Number | Title                           | Course Description   |
|---------|--------|---------------------------------|--|
| P E     | 4583   | Improved Recovery Techniques    | (Slashlisted with 5583). Prerequisite: PE 3513. New wellbore and reservoir techniques for improved recovery, diagnostic techniques, waterflooding, and enhanced oil recovery. No student may earn credit for both 4583 and 5583. (Sp)  |
| P E     | 4712   | Petroleum Project Evaluation    | Prerequisite: PE 3413, PE 3513, PE 3712. Application of petroleum engineering principles and economics to the evaluation of oil and gas projects. Analysis of the petroleum reserve management system and its use by the securities exchange commission and investors to value corporations. Evaluation of risk including developing political and scientific risks to oil and gas projects. (F) |
| P E     | 4960   | Directed Readings               | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| P E     | 4970   | Special Topics/Seminar          | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| P E     | 4990   | Special Studies                 | 1 to 4 hours. Prerequisite: department instructor permission. May be repeated; maximum credit 4 hours. Special research on current or special problems. (F, Sp, Su)  |
| P E     | 5133   | Non-Newtonian Fluid Mechanics   | (Crosslisted with G E 5133) Prerequisite: Graduate standing or instructor permission. Characteristics of stress in fluids, the role of Newtonian fluid mechanics, extension of Newtonian analysis to Bingham plastics; fluids without yield stress, time dependent non-Newtonian fluids, laminar and turbulent flow, boundary layers in non-Newtonian fluids. (Sp)                               |
| P E     | 5143   | Fluid Flow in Porous Media      | (Crosslisted with G E 5143) Prerequisite: Graduate standing or instructor permission. Physical concepts involved in the flow of fluids in porous media; treatment of Darcy's Law in a mathematical sense; the concept of relative permeability applied also in a mathematical sense. (F)   |
| P E     | 5243   | Introduction to Rock Mechanics  | (Crosslisted with G E 5243) Prerequisite: Graduate standing or instructor permission. Engineering properties of rock; rock testing techniques; in-situ methods; mathematical approach to stress-strain analysis; discontinuities in rock; applications for underground openings; rock slopes; foundations and drilling. (Sp)   |
| P E     | 5353   | Advanced Drilling               | Prerequisite: Graduate standing or instructor permission. Cost control, hole problems, planning a well, drilling; muds, drilling fluid solids removal, pressure losses, lifting capacity of drilling fluids, surge and swab pressures, pore pressure and fracture gradients, pressure control, well control equipment, blowouts, deviation in boreholes, rotary drilling bits. (F)               |
| P E     | 5423   | Advanced Stimulation            | Prerequisite: Graduate standing or instructor permission. Theory and application of continuum mechanics concepts to hydraulic fracturing, acidizing, acid fracturing and other stimulation processes. (Irreg.)   |
| P E     | 5433   | Horizontal Well Technology      | Prerequisite: Graduate standing or instructor permission. Horizontal well technology including: horizontal drilling and associated drilling problems, horizontal well completions and stimulation, horizontal well testing and logging, horizontal wells lift systems, environmental aspects of horizontal wells, economics, regulations. (Sp)   |
| P E     | 5523   | Advanced Production Engineering | Prerequisite: graduate standing or permission. Inflow performance relationship, skins of well completion & design, single/multiple phase flow in wellbore and pipes, Nodal analysis, artificial lifting methods including gas lift, rod pump and ESP, Production stimulation technologies including acidizing and hydraulic fracturing, introduction of production logging. (F)                  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| PE      | 5533   | Petroleum Reservoir Development                        | (Crosslisted with G E 5533) Prerequisite: Graduate standing or instructor permission. Petroleum reservoir development and extension. Simulation methods for evaluating a petroleum reservoir, schemes for oil field development. Engineering application of logging and geological, fluid and well-testing data. Student-oriented reservoir simulation projects. (Sp)   |
| PE      | 5543   | Waterflooding  | Prerequisite: Graduate standing or instructor permission. Evaluating and operating secondary recovery projects; fundamental consideration of petroleum engineering and reservoir behavior applied to secondary recovery of oil. (F)   |
| PE      | 5553   | Integrated Reservoir Management                        | (Slashlisted with 4553) Prerequisite: PE 3313, PE 3813, PE 4712, PE 4423, PE 4533, PE 4323 or concurrent enrollment in PE 4712, PE 4423, PE 4533, PE 4323. Comprehensive reservoir assessment experience based on knowledge and skills throughout PE curriculum. Results are delivered by teams in oral presentations, written technical and summary reports. Experience incorporates petroleum reserve management system (appropriate engineering standards) and multiple realistic constraints (current economic and political conditions). Requires work flow design tailored to specific reservoirs to resolve production performance, recovery and volumetrics. No student can earn credit for both 4553 and 5553. (F, Sp)   |
| PE      | 5563   | Mathematical Simulation Models                         | Prerequisite: Graduate standing or instructor permission. Principles of simulating engineering systems by partial differential equation systems; considers the use of engineering principles in formulating mathematical simulation models and analytic techniques for solving the resulting mathematical models. (Sp)  |
| PE      | 5573   | Well Test Analysis                                     | Prerequisite: Graduate standing or instructor permission. Diffusivity equation; exponential integral solution; principle of superposition; draw-down testing, skin effects, wellbore storage, type curve matching, reservoir limit test; buildup testing, bounded reservoirs, average reservoir pressure; drill stem testing; interference testing; pulse testing; reservoir heterogeneties; anisotropy, stratification, sealing faults. (F)  |
| PE      | 5583   | Improved Recovery Techniques                           | (Slashlisted with 4583) Prerequisite: senior standing, or graduate standing. New wellbore and reservoir techniques for improved recovery, diagnostic techniques, waterflooding, and enhanced oil recovery. No student may earn credit for both 4583 and 5583. (Sp)  |
| PE      | 5603   | Introduction to Natural Gas Engineering and Management | Prerequisite: Graduate standing or instructor permission. Global natural gas supply and demand, international gas trade and infrastructure, gas policy, regulation, safety and environmental issues, natural gas resource base: conventional and unconventional, gas exploration, drilling and production, gas processing, storage and pipeline, gas trading and marketing, gas utilization, LNG, chemicals. (F)  |
| PE      | 5613   | Natural Gas Engineering                                | Prerequisite: Graduate standing or permission of instructor. Review of properties of natural gases and condensate systems; gas flow in porous media; gas reservoir engineering; gas field development; gas condensate reservoirs; natural gas transportation and storage. (Alt. Sp)   |
| PE      | 5623   | Natural Gas Processing                                 | Prerequisite: PE 5603, graduate standing or permission of instructor. Gas conditioning; processing of gas for its liquids; design of adsorption and absorption facilities; fractionation design. (Alt. Sp)  |
| PE      | 5643   | Natural Gas Finance - Valuation and Investment         | Prerequisite: Graduate standing or instructor permission. This course is the first in a two-course sequence in natural gas finance. The first course covers valuation and investment topics; and the second course covers risk management and natural gas trading topics. The valuation and investment course exposes students to basic concepts and practices of valuation and investment in the natural gas industry. Topics include accounting systems, financial statement analysis, valuation of company stocks, competitive comparisons, value of reserves in the ground, corporate restructuring, legal and tax environment for mergers, valuation of bonds and preferred stocks. The emphasis of the course will be on the application of the basis financial theories of valuation and investment on the natural gas industry. (F) |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| P E     | 5653   | Natural Gas Finance - Trading and Risk Management  | Prerequisite: Graduate standing or instructor permission. This course is the second in a two-course sequence in natural gas finance. The first course covers valuation and investment topics; and the second course covers risk management and natural gas trading topics. The gas risk management course exposes students to basic concepts and practices of risk management in the natural gas industry. Topics include basic structure of the gas physical and financial markets, derivatives, hedging strategies, futures and forward price determination, option pricing theories, value at risk and market fundamental and technical analyses. The emphasis of the course will be on the application of the basis financial risk management theories to the natural gas industry. (Sp) |
| P E     | 5713   | Introduction to Geostatistics                      | (Crosslisted with G E 5713 and GEOL 5713) Prerequisite: Graduate standing or instructor permission. Introduction to geostatistical concepts, Principles and tools for description and modeling of spatial variability in oil/gas reservoirs and other geological formations. Topics include review of basic statistic concepts, exploratory spatial data analysis, stationary and ergodicity, variogram and covariance, kriging, spatial sampling, stochastic realizations and simulations, conditioning, and indicator kriging. (Sp)  |
| P E     | 5812   | Research in Special Petroleum Engineering Problems | (Sp, Su)   |
| P E     | 5960   | Directed Readings                                  | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| P E     | 5970   | Special Topics/Seminar                             | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| P E     | 5971   | Seminar in Petroleum Engineering                   | Prerequisite: graduate standing. Current petroleum literature, lectures, and reports; emphasis upon reservoir behavior and conservation. (F, Sp)   |
| P E     | 5980   | Research for Master's Thesis                       | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| P E     | 5990   | Special Studies                                    | 1 to 4 hours. Prerequisite: graduate standing in petroleum engineering. May be repeated with change of topic; maximum credit twelve hours. Supervised individual study or specialized research in petroleum engineering. (F, Sp, Su)   |
| P E     | 5999   | Graduate Level Transfer Credit                     | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| P E     | 6153   | Transport Phenomena in Porous Media                | (Crosslisted with G E 6153) Prerequisite: Graduate standing or instructor permission. Fundamental theory of mass, momentum and energy transport in porous media. Emphasis placed upon enhanced oil recovery processes, in situ energy extraction, and other processes relevant to energy production. (Irreg.)  |
| P E     | 6253   | Advanced Petrophysics                              | (Crosslisted with G E 6253) Prerequisite: Graduate standing or instructor permission. Techniques of sampling petroleum reservoirs with emphasis upon the rock and fluid properties. (Irreg.)   |
| P E     | 6263   | Advanced Rock Mechanics I                          | (Crosslisted with G E 6263) Prerequisite: Graduate standing or instructor permission. In-situ stress determinations, effects of stress and strain gradients, time-dependent effects, Griffith's theory, crack phenomena, fracture toughness of rocks, poroelasticity concepts. (Irreg)   |
| P E     | 6273   | Advanced Rock Mechanics II                         | (Crosslisted with G E 6273) Prerequisite: 6263. Stereographic projections, properties of discontinuities, fluid flow in fractures, stability and design of rock slopes (two- and three-dimensional).   |
| P E     | 6283   | Seismic Reservoir Modeling                         | (Crosslisted with G E and GEOL 6283) Prerequisite: Graduate standing or permission of instructor. This course is designed to explore the seismic response of rocks and how it is related to petrophysical parameters. This understanding is key to interpretation of seismic data in terms of subsurface rocks and fluids. (F)   |

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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| P E     | 6573   | Advanced Reservoir Engineering        | (Crosslisted with G E 6573) Prerequisite: graduate standing. Petrophysics, Formation Evaluation, Reservoir Fluid Properties, Flow in Porous Media, Reservoir Material Balance, Decline Curve Analysis and Reservoir Simulation. (F)   |
| P E     | 6583   | Enhanced Oil Recovery                 | (Crosslisted with G E 6583) Prerequisite: graduate standing or permission. Fundamentals and principles of enhanced oil recovery; practical applications of method of characteristics to design miscible gas injection, water alternating gas flooding, and polymer flooding. (Sp)   |
| P E     | 6960   | Directed Readings                     | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| P E     | 6970   | Special Topics/Seminar                | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| P E     | 6980   | Research for Doctoral Dissertation    | (F, Sp, Su)   |
| P E     | 6990   | Independent Study                     | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| P SC    | 1113   | American Federal Government           | Not accepted for major credit. A study of the structure, organization and powers of the executive, legislative and judicial branches including relationships between state and national governments. Emphasis upon political processes and popular government; elections, political parties, pressure groups, voting behavior. (F, Sp, Su) [III-PSC]  |
| P SC    | 1999   | Lower Division Transfer Credit        | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| P SC    | 2001   | Political Science, Fields and Careers | Serves as an introduction to the academic subfields of the discipline. Provides career guidance and information relevant to post-BA employment, graduate schools, law schools and government service. (Su)  |
| P SC    | 2013   | Introduction to Political Analysis    | Prerequisite: 1113. Scientific method and the variety of approaches to a science of politics; problems of research design; methods and techniques of systematic political inquiry. (F)  |
| P SC    | 2103   | Politics in America                   | Prerequisite: P SC 1113. Focuses on the practice of politics in the United States and the forces and ideas that shape political conflict and determines who wins. The three major national institutions of American government are considered: Congress, the presidency, and the judiciary. Examines their constitutional bases of power, their evolving relationships, and their roles in contemporary policymaking. Also considers how ideas and power relationships influence the shape of political conflict. Contemporary political issues will be integrated into course content. (F) |
| P SC    | 2173   | Administration and Society            | Prerequisite: 1113. Studies relation of public administration to legislators, executives, and courts; and challenges to public management, such as diversity, equality, and justice. Topics include government budgeting, personnel, leadership, and organizing and delivering programs and services. Focuses on how to maintain ethics and accountability and increase efficiency and effectiveness in public programs. (F, Sp)  |
| P SC    | 2223   | Making Public Policy                  | Prerequisite: 1113. Explores government actions to address social problems such as crime, poverty, health care, education, welfare reform, and the environment. Focuses on how to craft policy responses to conflict situations; resolve competing political demands for more services yet lower taxes; and achieve important societal goals of efficiency, equity, fairness, and freedom. (F)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| P SC    | 2503   | Global Politics  | Prerequisite: P SC 1113. Introduces sources of continuity and change in world politics. Emphasis is given to the struggle for power and search for peace among state and non-state actors. Additional topics include the relevance of international law, foreign policy decision-making, balance of power, collective security, and moral choices in international politics. (F)   |
| P SC    | 2603   | Governments Around the World                                       | (Crosslisted with IAS 2603) Prerequisite: P SC 1113. Gateway course in political science and international and area studies. Provides an introduction to the varieties of politics and governmental systems around the world. Students will develop skills in comparative analysis to understand why countries have distinct types of government. (F, Sp, Su) [IV-WC]  |
| P SC    | 2703   | Justice, Liberty and the Good Society                              | Prerequisite: P SC 1113. An introduction to the literature about the best form of government, how a just and free society should be designed, and what difficulties stand in the way of our pursuit of the good society. Topics may include: the classic idea of a republic, theories shaping American democracy, the theory of equality and liberty, and contemporary ideas for the critical analysis and improvement of democracy. (F, Sp) |
| P SC    | 2970   | Special Topics   | 1 to 3 hours. May be repeated; maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)   |
| P SC    | 3020   | Problems in American Government and Politics                       | 1 to 3 hours. Prerequisite: 1113 or permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. Will not assume prior knowledge on the part of the students in reference to the topics under examination. The focus is on the national government, including the political processes and policies that relate to it. (F, Sp)   |
| P SC    | 3023   | Law and Courts   | Prerequisite: 1113 or permission of the instructor. This is an introduction to the judicial process, origin and sources of law, and the relationship between courts and other sectors of the American political system. It will focus on the criminal justice system, civil justice system, constitutional law, judicial selection, judicial policymaking, and how interest groups use the courts. (F)                                       |
| P SC    | 3033   | Religion and Politics in America                                   | Prerequisite: 1113. Examines the diverse religious traditions in America and explores their political manifestations. Assesses the religious impact on voting, lobbying, political mobilization and political culture. Particular attention will be paid to the strategic environment in which religious political actors must operate. [IV-WC]  |
| P SC    | 3043   | Gender, Power and Leadership in Politics and Public Administration | (Crosslisted with WGS 3043) Prerequisite: 1113. Focuses on the relationship between gender, power, leadership, and government in politics and public administration. Causes of under-representation of women in elected office and the bureaucracy are explored. Historical, social, psychological, and organizational barriers are considered. (Irreg.)   |
| P SC    | 3053   | Global Religion and American Foreign Policy                        | Prerequisite: 1113 or permission of instructor. This course examines the intersection of American faith-based movements, global religious developments, and U.S. foreign policy. It explores how global religious conflicts impinge on American foreign policy, and how domestic religious groups attempt to shape U.S. policy on such concerns as human rights, humanitarian aid, and conflict mediation. (F, Sp)                           |
| P SC    | 3063   | Religion and the American Constitution                             | Prerequisite: P SC 1113. This course examines the vital role of religion in the American Constitution, its antecedents and contemporary interpretations. (F)   |
| P SC    | 3073   | Immigration Politics   | Prerequisite: P SC 1113 or permission of instructor. An examination of the politics of immigration in America. Includes lively debate, in addition to daily discussions of current events involving immigration. Emphasis will be placed upon the development of a unique research project that examines an important question, puzzle, or aspect of immigration in American politics. (Irreg.)  |
| P SC    | 3090   | Special Topics   | Prerequisite: 1113 or permission of instructor. May be repeated with change of content; maximum credit nine hours. Topics considered will deal with issues whose subject matter spans two or more subfields of the undergraduate curriculum in political science and/or public affairs and public administration. (Irreg.)   |



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| Subject | Number | Title                              | Course Description  |
|---------|--------|------------------------------------|---|
| P SC    | 3113   | Bureaucracy and Citizenship        | Prerequisite: 1113 or permission of instructor. Focuses upon various aspects of political life in bureaucratic society, including the scope of contemporary public programs and their impact on society, and extent and character of citizens' bureaucratic encounters, administrative pathology, bureaucratic helping, appeals of administrative decisions, bureaucratic accountability and democratic theory, and the future of citizen-bureaucratic relations. (Sp)  |
| P SC    | 3123   | Social Statistics                  | (Crosslisted with SOC 3123) Prerequisite: SOC 1113 and any General Education Math EXCEPT Philosophy 1113 or Philosophy 3113. Descriptive and inferential statistics as they are used in sociology to analyze survey and macro-level data. Problems of research design and interpretation of analysis in sociological theory are major topics. A grade of C or better in this course is a prerequisite for Sociology capstone courses. (F, Sp, Su)   |
| P SC    | 3133   | Politics and Public Administration | Prerequisite: 1113 and sophomore standing. Examines the concept of the political role of the bureaucracy and the impact of other government institutions on bureaucratic structure, functions and behavior. The role of the bureaucracy in public policy making and the influence of politics on policy implementation is analyzed. (F) [III-SS]  |
| P SC    | 3143   | U.S. Congress                      | An introduction to the legislative process, with emphasis upon the United States Congress: the legislative process, committee systems; legislative leadership; the legislator and constituents; lobbyist and interest groups; legislative-executive relations. (Sp)   |
| P SC    | 3163   | The American Presidency            | Prerequisite: 1113. Examination of the constitutional, electoral, administrative and political aspects of the contemporary American presidency; ending with an assessment of its capabilities in the context of its demands. (F)  |
| P SC    | 3170   | Problems in Public Administration  | 1 to 3 hours. Prerequisite: five hours of political science or three hours of another social science, or junior standing and permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. Special topics and/or problems in the field of public administration not covered in the regular curriculum or by supervised individual study. The course will involve readings appropriate to the subject matter and requires completion of a substantial paper. Additional requirements will be covered by the instructor in the syllabus. (Irreg.) |
| P SC    | 3183   | Politics of Government Budgeting   | Prerequisite: 2173. Provides an introduction to budgeting and the budgetary process in American government. Budgeting decision-making about government revenues and expenditures. (Sp)  |
| P SC    | 3193   | Nonprofits and Government          | (Crosslisted with NPNG 3193) Prerequisite: NPNG 2033 and junior standing or permission of instructor. Examines nonprofit-government relationships in addressing societal problems. The nonprofit sector and government closely interact with each other in the realms of public policy and service delivery. Nonprofit roles in the domain of service delivery have intensified in recent years and thus triggered numerous research interests in academic and practical concerns for both government and nonprofit organizations. (Sp)   |
| P SC    | 3203   | Sexuality, Gender, and the Law     | Prerequisite: P SC 1113 or permission of the instructor. The course will examine a number of the most politically significant legal debates regarding gender and sexuality. Though the issues covered will vary by semester, they will include many of the following: discrimination on the basis of gender and sexual orientation, reproductive rights, the regulation of pornography, same-sex marriage, sexual harassment in the workplace, and the right to sexual privacy. (Irreg.)  |
| P SC    | 3213   | Law, Politics, and Society         | Prerequisite: 1113 or permission of instructor. Examines how courts and other political actors use law to solve problems and how judicial decisions incorporate legal and political considerations. It explores how law shapes or alters the political community, the extent that law changes to fit needs of society, and the role of politics in interpretation of law. (Sp)  |
| P SC    | 3220   | Topics in Public Policy            | 1 to 3 hours. Prerequisite: 1113. May be repeated with change of content; maximum credit six hours. Research and investigation on selected topics in public policy. (Irreg.)  |

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|---------|--------|---|--|
| P SC    | 3233   | Environmental Policy and Administration | Prerequisite: 1113. Characterizes the evolution of public sector involvement in protection of the environment; addresses current issues associated in environmental protection including administrative efficiency and effectiveness and intergovernmental relations, and assesses potential solutions to emerging environmental problems. (F)   |
| P SC    | 3253   | Human Resource Management               | Deals with the techniques, problems and processes of human resource management at the undergraduate level. Specific topics include: civil service reform, recruitment and training in the public sector and public sector EEO and labor problems. (Sp)   |
| P SC    | 3263   | Social Welfare                          | Prerequisite: ENGL 1213 or EXPO 1213. Introduction to the basics of welfare policy in the United States. To do so, we will review the history of this policy area from early efforts in Western Europe up to the changes made by, and the impacts of, the Personal Responsibility and Work Opportunity Act of 1996 which did away with the Aid to Families with Dependent Children (AFDC) program and ushered in TANF (Temporary Assistance to Needy Families). There will be a specific focus on the logic behind policy components (to include examining competing theories of human behavior and how they relate to relief efforts), their evolution, and the role of the political environment in fostering change. (Sp) |
| P SC    | 3273   | Privatization                           | Prerequisite: P SC 1113 or permission of instructor. Exposes students to competing theories regarding the privatization of publicly provided services (such as fire and police protection, road construction and maintenance, refuse collection, child protective services, and maintenance of public parks) with a particular focus on the supposed benefits and problems. (F)  |
| P SC    | 3313   | Urban Government and Politics           | Structure and function of urban governments and analysis of politics in urban areas. (F)   |
| P SC    | 3323   | State Government                        | The organization, structure, functions, and administration of American state and local governments; federal-state relations; constitutions and legal systems; legislative, executive, and judicial departments; a study in the political process; problems of metropolitan areas; fiscal and administrative systems. (F)   |
| P SC    | 3403   | Interest Groups and Social Movements    | Role of interest groups and collective action in the political process; theory of collective action and development of American pressure groups; group organization and internal behavior; patterns of external behavior; collective action and foreign political systems; and organized interests and democratic government. (F)  |
| P SC    | 3413   | American Political Parties              | A descriptive and critical examination of the political processes in the United States, with special reference to the role and organization of political parties and their relationship to voter behavior and the popular control of government. (Irreg.)  |
| P SC    | 3423   | Public Opinion                          | Relies on three basic themes as a framework for the study of public opinion: coalitions, elites and masses. More specific subjects studied include political socialization, the parties and the media. Students may not take both P SC 3423 and P SC 4013 for credit. (Irreg.)   |
| P SC    | 3433   | Voters and Campaigns                    | Prerequisite: 1113. Covers some of the literature on voting behavior and political campaigns: political socialization; political participation; election studies; influence on voting such as party, candidate, issues, and group affiliations; the legal framework and impact of reform; election outcomes and their policy import. Coverage of the campaign process includes party and interest group activity, campaign financing, strategy, the media, and campaign reform. (Irreg.)   |
| P SC    | 3440   | Mentored Research Experience            | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| P SC    | 3443   | Mass Media and American Politics        | Prerequisite: 1113. Role of mass media in American politics including origin and development of relationship between press and politics, how the press covers politics, effects of mass media on public opinion, political elites, and institutions. (Irreg.)  |

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|---------|--------|---|--|
| P SC    | 3453   | Southern Politics                               | Prerequisite: 1113 and junior standing, or permission of instructor. Focuses on the history and evolution of southern politics and the role of race, religion, and political culture as these factors impact and give the region its distinctive political features. These factors, plus the realignment of the political parties in these states, contribute to southern political strength in Congress, which in turn impacts national politics as a whole. The course will examine all of these factors both in terms of institutional structures and behavioral values. (Sp) [III-SS]  |
| P SC    | 3463   | American Political Development                  | Prerequisite: 1113 or permission of instructor. Analyzes the institutional development of American politics. The premise is that institutions are created to solve conflicts at specific historical junctures. Once in place, these institutions create opportunities and constraints for future generations. Focus on explaining large-scale political change in the United States from the founding to the present. (Irreg.) [IV-WC]   |
| P SC    | 3473   | Political Psychology                            | Prerequisite: P SC 1113 or permission of instructor. An overview of political psychology, where students will engage in debates about the relative power of the situation vs. the individual, whether human beings are truly rational actors, the extent to which human beings exercise free will, and whether morality is achievable. Specifically, delves into the following questions: 1) Why do people engage in hostile, aggressive, and "evil" behavior; 2) Why is there intergroup conflict; 3) Why does the media have such a powerful impact on political attitudes; 4) What drives political ideology, partisan affiliation, and voting behavior; and 5) What explains the behavior of political elites? (Irreg.)  |
| P SC    | 3483   | Campaign Management                             | Prerequisite: departmental permission and P SC 1113. Addresses practical aspects of campaign management including information about the decisions campaign managers make in gathering information, raising money, harnessing technology, honing and disseminating messages, and targeting volunteers/voters in the context of aiding a candidate in running for/winning office. Explores practical lessons on campaign management and provides hands-on training through the use of existing electoral databases and on-campus resources. (Irreg.)   |
| P SC    | 3493   | Congress: Politics, Policy and the Constitution | Prerequisite: P SC 1113. Introduces students to theory and research on the role of the Congress under the U.S. Constitution and the relationship of the Congress to the coordinate branches of the federal government, as well as to the state governments in interpreting and applying the Constitution. Experience in original archival research on the politics, policies and constitutional struggles of the Congress through the Carl Albert Congressional Research & Studies Center will be gained. (Irreg.)   |
| P SC    | 3503   | Ethnicity, Energy, and Elections in Eurasia     | Prerequisite: P SC 1113 or permission of instructor. Focus is on the political phenomena that spill across borders in Eurasia. Ethnicity matters in terms of the structure of nationalist movements that ended the Soviet system and the legacies of ethnic conflicts that keep states and societies deeply divided. Energy is the dominant resource in Eurasia, and the struggle to control the flow of energy across borders coincides with the revival of the "Great Game" and Russia's attempt to restore hegemony in the region. All the states of Eurasia hold regular elections, though rarely are they free and fair elections. While autocrats share "political technologies" to legitimate dictatorship, elections also are sites of mass mobilization that bear the potential for revolution and a second chance at democracy. (Sp) |
| P SC    | 3513   | Causes of War                                   | Prerequisite: 1113 or permission of instructor. This course will examine causes and consequences of war, looking at the changing nature of war, international relations theories about causes of war, and case studies, primarily from the 20th century. (Irreg.)  |
| P SC    | 3523   | The History of Terrorism                        | Prerequisite: Junior standing or permission of instructor. Surveys terrorism from its first use during the Roman Empire through the French Revolution and up to its modern form. Includes a focus on several important groups such as the Irish Republican Army and the Ku Klux Klan, as well as how terrorist goals move in historical cycles. (Irreg.)   |

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|---------|--------|---|--|
| P SC    | 3533   | Contemporary Terrorism                                | Prerequisite: junior standing or permission of instructor. Designed to help students develop a better understanding of the nature of terrorism, the variety of terrorist motivations, the means by which governments attempt to deal with the problem, and the variety of research questions that remain unanswered. (Irreg.)  |
| P SC    | 3543   | United States-Latin American Relations                | Prerequisite: junior standing or permission of instructor. This course studies both the historical development and current problems of conflict and cooperation between the United States and the countries of Latin America, and the ways their interactions affect each country's security, politics, economy, society, and culture. (Irreg.)  |
| P SC    | 3550   | Topics in International Relations                     | 1 to 3 hours. Prerequisite: 1113 or permission of instructor. May be repeated with change of content; maximum credit nine hours. Systematically explores contemporary problem areas in international relations. Will not assume prior knowledge on the part of the students in reference to the topics under examination. Meets in a seminar format where emphasis will be placed on classroom presentations and extensive research papers. (Irreg.)                                 |
| P SC    | 3553   | International Political Economy                       | Prerequisite: 1113. Focus on patterns, processes, and problems of international trade, monetary, technological, and investment relations. Deals with the roles played by key international organizations in managing conflict and cooperation among states. Students learn to apply theoretical approaches in analyzing issues in the global economy. (F) [IV-WC]  |
| P SC    | 3563   | United States Diplomatic History                      | Prerequisite: none. A survey of American diplomatic history from the War for Independence to the present, emphasizing relations with major European, Latin American and Far Eastern countries. [IV-WC]   |
| P SC    | 3573   | Great Power Politics                                  | Prerequisite: P SC 1113. Explores the meaning of power in politics and diplomacy, relations among great powers in different historical settings, arguments for and against realism as a theory of international politics, different strategies for projecting power, whether moral choices are relevant in the realm of power politics, and the importance of geopolitics in the 21st century map of world affairs. (Irreg.)   |
| P SC    | 3583   | Masters & Commanders: Wartime Strategy and Statecraft | Prerequisite: P SC 1113. Based on Andrew Roberts' Masters And Commanders: How Roosevelt, Churchill, Marshall and Alanbrooke Won the War in the West. Focuses on debates between the four principals and senior Allied officials in shaping the grand strategy of the West during the Second World War. Attention is devoted to disagreements about military necessities and about the structure of the postwar world. (Sp)   |
| P SC    | 3593   | Nongovernmental Organizations                         | (Crosslisted with NPNG 3593) Prerequisite: P SC 1113 and junior standing or permission of instructor. Provides an understanding of the political role of nongovernmental organizations (NGOs) in global as well as local politics. Introduces practical knowledge about the activities of NGOs in various policy fields. Provides information about transnational advocacy, nongovernmental networks, agenda setting, civil society mobilization, and contentious politics. (Irreg.) |
| P SC    | 3600   | Topics in Comparative Politics                        | 1 to 3 hours. Prerequisite: 1113 or permission of instructor. May be repeated with change of content; maximum credit nine hours. Will examine contemporary issues in politics and government around the world. Meets in a seminar format where emphasis will be placed on classroom presentations and research. (Irreg.)   |
| P SC    | 3603   | Politics of Ireland and the United Kingdom            | Prerequisite: P SC 1113. Introduction to the politics of the Republic of Ireland and the United Kingdom of Great Britain and Northern Ireland. Political, social, and institutional development of England, Ireland, Scotland, and Wales; the Irish struggle for independence and civil war; and the creation of national identities. Studies contemporary political institutions and party systems. (Irreg.)  |
| P SC    | 3633   | Politics in East Asia                                 | Prerequisite: 1113 or permission of instructor. This course provides a survey of politics and political systems in select countries in east Asia and aims at developing comprehensive understanding of contemporary Asian politics. We will identify similarities and differences in the politics of these countries in specific dimensions and explore the basis of each of them. (F) [IV-NW]   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| P SC    | 3643   | Democracies and Democratization: A Comparative Inquiry | Prerequisite: 1113. Studies the theory, history, causes, and prospects for democracy in the world, beginning with ancient Greece and ending with the challenges of democracy and democratization in countries around the world today. Although primarily a social science course, questions about the philosophical underpinnings of democracy are also raised. (Sp) [IV-WC]   |
| P SC    | 3653   | Government and Politics of Latin America               | Prerequisite: 1113 or permission of instructor. General survey of structure, organization and operation of Latin American governments. Problems of dictatorship, underdevelopment, social reform and relations with the United States are covered. (F) [IV-WC]   |
| P SC    | 3663   | Politics of the Middle East                            | Prerequisite: 1113 or permission of instructor. This course surveys the developments in current domestic politics in Middle Eastern countries. It will focus on the process of state building, great power politics, Islam and political ideologies, economic crises, and regime stability and change. (Irreg.)  |
| P SC    | 3683   | The Politics of Russia                                 | Prerequisite: five hours of political science, or 1113 and three hours of another social science, or junior standing and permission. Introduction to domestic politics in the Russian Federation. An overview of Russian and Soviet history, focusing on recurrent dilemmas of Russian political life. Special emphasis will be on Gorbachev's reforms, the collapse of communism, the emergence of post-Soviet politics, and the future of Russian democracy, economic institutions and inter-ethnic relations. (F) [IV-WC]   |
| P SC    | 3693   | Ethnicity, Energy, & Elections in Eurasia              | Prerequisite: P SC 1113 or permission of instructor. Focuses on the political phenomena that spill across borders in Eurasia. Ethnicity matters in terms of the structure of nationalist movements that ended the Soviet system and the legacies of ethnic conflicts that keep states and societies deeply divided will be studied. Energy is the dominant resource in Eurasia and the struggle to control the flow of energy across borders coincides with the revival of the "Great Game" and Russia's attempt to restore hegemony in the region. All the states of Eurasia hold regular elections as a matter of course, though rarely are they free and fair elections. While autocrats share "political technologies" to legitimate dictatorship, elections also are sites of mass mobilization that bear the potential for revolution and a second chance at democracy. Each of the major themes straddle the division between comparative politics and international relations: ethnic conflict relates to civil war as well as inter-state conflict; energy relates to domestic as well as international political economy; and elections relate to the sharing or emulation of authoritarian practices and the diffusion of regime change. (Sp) |
| P SC    | 3703   | From Plato to Machiavelli, the Classic Art of Politics | Prerequisite: 1113 and sophomore standing. Study of the origins of political science or political philosophy in the thought of classical antiquity and of the continuing influence of the classic works. Topics may include: Plato and Aristotle's attempt at a systematic political science; Thucydides on democracy and war; the interaction of religion and politics; and the early modern rebirth of the classical republican era. (F) [IV-WC]   |
| P SC    | 3713   | The Idea of a Liberal Society                          | Prerequisite: 1113 and sophomore standing. Study of the major works of modern political thought that inspired the idea of a rights-oriented liberal society. Readings vary, but may include Thomas Hobbes and John Locke, their followers and critics in later centuries (such as Montesquieu, Rousseau, Kant, Hegel, and Mill), and those who later subjected the liberal idea to fundamental criticism (Marx, Nietzsche, and others). (Sp) [IV-WC]   |
| P SC    | 3723   | Foundations of American Politics                       | An examination of the principal issues and ideas of the American colonial, revolutionary and founding periods and their influence on, and relevance to contemporary American politics.   |
| P SC    | 3733   | Modernity and its Discontents                          | Prerequisite: junior standing or permission of instructor. Survey of the foundational thinkers of the 19th and early 20th century. Begins with an analysis of the political implications of the "enlightenment project" before moving on to consider the major critique of modernity in the second half of the 19th and early part of the 20th century. Focuses on major philosophical approaches to key concepts such as: property, labor, freedom, democracy, equality, reason, and the rule of law. (Sp)  |

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|---------|--------|---------------------------------|---|
| P SC    | 3743   | Problems in Political Theory    | Prerequisite: junior standing or permission of the instructor May be repeated with change of content; maximum credit six hours. Special topics in political theory, including concepts such as power, liberty, justice, equality, democracy, etc., or particular theorists or schools of thought. (Irreg.)  |
| P SC    | 3761   | Event Planning                  | (Crosslisted with NPNG 3761) Prerequisite: P SC 1113 or junior standing. Covers the basic techniques and processes behind event planning and management. Provides students with the opportunity to pitch event ideas to the class. Event management and planning will delve deeper into the process that surround events: budgeting, venue choices, fundraising, etc. (Irreg.)  |
| P SC    | 3771   | Issue Advocacy                  | (Crosslisted with NPNG 3771) Prerequisite: P SC 1113 or junior standing. Designed to provide a practical application of the theories and concepts students acquire in the study of political science and public administration. Students will learn to be effective advocates at all levels of government for the issues and ideas they seek to see implemented in public policy. (Irreg.)  |
| P SC    | 3781   | Tracking Legislation            | (Crosslisted with NPNG 3781) Prerequisite: P SC 1113 or junior standing. Designed to provide a practical application of the theories and concepts acquired in the study of political science and public administration. How to read and track legislation in the State of Oklahoma will be learned. Additionally, students will learn the inner workings of state government from a legislative perspective. (Irreg.)   |
| P SC    | 3910   | Government Internship           | 2 to 3 hours. Prerequisite: good academic standing with 45 semester hours completed, including nine hours of political science; permission of instructor. May be repeated; maximum credit six hours. Interns observe and participate in the functions, processes and actions of governmental institutions at the federal, state and local level. Grade of S/U based on completion of directed readings, an academic research paper, performance reports. (F, Sp, Su)  |
| P SC    | 3960   | Honors Reading                  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| P SC    | 3970   | Honors Seminar                  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. The projects covered will vary. The content will deal with concepts not usually presented in regular coursework. (F, Sp)  |
| P SC    | 3980   | Honors Research                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| P SC    | 3990   | Independent Study               | 1 to 3 hours. Prerequisite: one course in general area to be studied; junior standing; permission of instructor and department. May be repeated; maximum credit six hours. Through a written contract, independent study may be arranged for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| P SC    | 3999   | Upper Division Transfer Credit  | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| P SC    | 4020   | Problems in American Government | 1 to 3 hours. May be repeated with change of content; maximum credit nine hours. Focus on the national government, including the political processes and policies that relate to it. (Irreg.)   |
| P SC    | 4023   | Community Scholars              | Prerequisite: P SC 1113. Service-learning course allows students to become participants in community activities and organizations designed to address community needs. At the same time, students develop skills and abilities for critical thinking, group problem-solving, and effective civic engagement. Combines community service and academic learning to examine how local government agencies work along side community organizations, mainly nonprofit organizations, to meet the needs of their community. (F) |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| P SC    | 4033   | Capitol Scholars: A Service Learning Course              | Prerequisite: P SC 1113 and permission of instructor. The course uses service-learning and weekly seminars to focus on institutions, policy-making and politics in legislative settings. (Sp)  |
| P SC    | 4043   | Public Policy Implementation                             | (Slashlisted with 5043) Prerequisite: 2223. This course examines how public laws are implemented. It investigates actors, institutions and processes influential in decisions and actions regarding public program delivery. No student may earn credit for both 4043 and 5043. (Irreg.)   |
| P SC    | 4093   | Capstone Seminar in Political Science                    | Prerequisite: senior standing, completion of four of the following courses: 2103, 2173, 2223, 2503, 2603, 2703; and permission of department. Capstone seminar for major in political science. Explore topics in political science for students with substantial background in the discipline and includes a significant writing component. Specific subtitles will vary. (F, Sp) [V]  |
| P SC    | 4113   | American Foreign Policy from World War II to the Present | Prerequisite: 1113 or permission of instructor. An analysis of American foreign policy in the twentieth century. Covers the emergence of the United States as a great power, abandonment of isolation, World War II and the development of internationalism, the Cold War and policies of containment, the American involvement in the Far East, Middle East and Latin America. (Irreg.) [IV-WC]   |
| P SC    | 4143   | Policy/Program Evaluation                                | Prerequisite: 2223. Introduces the planning and implementation of a variety of evaluation types and methods. Considers the utilization of findings in a political environment. (Irreg.)  |
| P SC    | 4153   | Strategic Planning and Performance Assessment            | Prerequisite: P SC 1113 and junior standing or permission of instructor. Introduces strategic planning, performance assessment and benchmarking. Familiarizes students with these three strategic management processes and illustrates development, implementation, and reformulation of public policy and operational strategy. Emphasis is placed on the need for awareness of, and accommodation to, changes in an organization's environment. (Irreg.) |
| P SC    | 4193   | The Profession of Public Management                      | Prerequisite: 1113 or permission of instructor. Open to undergraduate students only. Focuses on the internal administrative processes of public agencies, concentrating on the generic management functions of planning, directing and controlling as they relate to the development and implementation of public policy programs. (Irreg.)  |
| P SC    | 4203   | Capstone Seminar in Public Affairs and Administration    | Prerequisite: senior standing and permission of instructor. May be repeated once with change of content. The focus and subtitle will vary. Develops the ability to analyze and interpret the subject matter; contains a substantial writing component. (F, Sp) [V]   |
| P SC    | 4213   | Regulatory Policy  | Prerequisite: junior standing or permission of instructor. Examines the topic of administration and the agencies that are responsible for these government activities. Emphasizes the constitutional, legal, administrative, and political issues raised by the growth and nature of regulatory activities. (F)  |
| P SC    | 4220   | Problems in Public Policy                                | 1 to 3 hours. Prerequisite: 1113 or permission of instructor. May be repeated with change of content; maximum credit nine hours. Research and investigation on selected problems in the field of public policy. (Irreg.)   |
| P SC    | 4223   | Public Policy Analysis                                   | Prerequisite: 2223. Introduces students to public policy theories and analytical methods. Public policy is placed within the context of similar disciplines and practical applications. (Irreg.)   |
| P SC    | 4243   | Grants and Contracts                                     | (Crosslisted with NPNG 4243) Prerequisite: P SC 1113 and junior standing or permission of instructor. Provides the necessary background to apply project management and development skills to the process of writing grant and contract proposals for public affairs organizations. Topics will include: needs assessment, searching for funding, budget development, and project evaluation. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| P SC    | 4263   | American Constitutional Law I: Governance                        | Prerequisite: P SC 1113. Chronological exploration of the role of constitutional principles and the United States Supreme Court in the historical and contemporary political struggles concerning the structure, distribution, and uses of national governmental power in the American polity. Examines the Constitution's allocation of powers vertically between the national government and the states, and horizontally among the legislative, executive, and judicial branches; the changing understandings of the relationship between the economic powers of private individuals and the national government; the powers of the national government over non-citizens; and the Constitution's allocation of war-making powers. (F) |
| P SC    | 4273   | Constitutional Interpretation                                    | Prerequisite: 1113 or permission of instructor. Asks basic questions about the nation's fundamental law: What is the Constitution? Who is authorized to interpret it? How might one authoritatively interpret it? Why should anyone try to interpret it? (F) [IV-WC]  |
| P SC    | 4283   | American Constitutional Law II: Civil Rights and Civil Liberties | Prerequisite: P SC 1113 or permission of instructor. Investigates the character, function, and enforcement of civil rights and civil liberties in the American constitutional system. (Sp) [IV-WC]  |
| P SC    | 4323   | Political Communication  | (Crosslisted with COMM 4323) Prerequisite: Communication 1113 and junior standing. Considers the role of communication in political settings. Major topics include political persuasion, public speaking in political campaigns, political debating, political advertising, bias in news coverage of campaigns. (F, Sp)   |
| P SC    | 4523   | International Organizations                                      | Prerequisite: P SC 1113 or permission of instructor. Focuses on the organization of international politics via formal multilateral arrangements (international organizations) and informal multilateral agreements (international regimes). (F)   |
| P SC    | 4713   | Princes, Tyrants, Statesmen: On Political Leaders                | Prerequisite: P SC 1113. Examines important works that aim either to instruct major political leaders or to evaluate them for the purpose of political understanding. The studies range over a number of cases, classical, modern, and contemporary, of very different kinds and quality. Cases discussed may represent a high degree of excellence in leadership, or the worst examples of tyranny. (Irreg.) [IV-WC]   |
| P SC    | 4730   | Topics in Political Theory                                       | 1 to 3 hours. Prerequisite: sophomore standing. May be repeated with change of content; maximum credit nine hours. Devoted to specific problems and issues in political theory. Content will vary from course to course. Each course will examine a principal problem or issue in some depth. Descriptions of specific courses may be obtained from the department prior to pre-enrollment. (Irreg.)  |
| P SC    | 4833   | Intelligence Collection, Covert Action, and Politics             | Prerequisite: P SC 1113. An examination of present-day covert action as well as a comparison of the original concepts of covert action with current political policies and practices. A key question addressed in this course is if covert action has a future in modern politics. Finally, this course examines intelligence requirements and production and what happens when political influence distorts or misdirects the intelligence process. (Irreg.)   |
| P SC    | 4843   | Foreign Intelligence Services                                    | Prerequisite: P SC 1113. Applies the comparative political science method to intelligence policy and intelligence organization. Primary focus is on English-speaking intelligence community in comparison to other intelligence communities. Key topics include organization and management of intelligence services; objects or targets of intelligence activities; and the challenges of cooperation between US and foreign intelligence agencies. (Irreg.)   |
| P SC    | 4853   | Ethics and Intelligence  | Prerequisite: P SC 1113. Examines the fundamental question of "Is spying ethical?" Since antiquity, virtually all major powers have maintained intelligence services for the basic purpose of ensuring their security and existence. Key topics include: intelligence and personal ethics versus rules-based ethics; professional ethics in intelligence; ethical dilemmas; domestic intelligence collection and civil liberties; interrogation; intelligence analysis and ethics; and politicization of intelligence. (Irreg.)   |



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| Subject | Number | Title                                 | Course Description   |
|---------|--------|---------------------------------------|--|
| P SC    | 4863   | Strategic Intelligence Challenges     | Prerequisite: P SC 1113. Studies problem identification in international politics and how 'politics problems' become 'intelligence problems'. Identifies historic and emerging theories of intelligence collection and use; adapting intelligence collection to changing problems; the evolution of intelligence tools and personnel training. Topical content such as WMD proliferation, terrorism, illicit trafficking, and electronic surveillance are used as subject matter vehicles. (Irreg.)  |
| P SC    | 4873   | Tools of Statecraft                   | Prerequisite: P SC 1113. Provides an introduction to the range of tools of statecraft, other than war, and examines the role of intelligence as a foreign policy tool. Offers a broad overview of the functional areas of intelligence (collection, analysis, counterintelligence, overt political action and covert activities); the organizational makeup of the US Intelligence Community; laws, guidelines and ethics pertaining to intelligence collection; and explores real world examples of how tools of statecraft are employed in the conduct of foreign policy in the modern world. (Irreg.) |
| P SC    | 4883   | Intelligence Analytics I              | Prerequisite: P SC 1113. Provides an introduction to the fundamentals of effective intelligence writing and presentation. Emphasis is placed on critical thinking, writing and oral communication skills for intelligence analysis. Topics include structuring analytical problems; sources of intelligence information; and using analytical software for writing exercises with oral presentations. (Irreg.)   |
| P SC    | 4893   | Intelligence Analytics II             | Prerequisite: P SC 1113 and P SC 4883. Develops advanced critical thinking, writing and oral communication skills by enhancing ability to apply methods for intelligence analysis. Emphasis is placed on assessing bias in information sources, critiquing analytical products, and applying analytical software to major writing exercises with oral presentations. (Irreg.)  |
| P SC    | 4960   | Directed Readings                     | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| P SC    | 4970   | Special Topics/Seminar                | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| P SC    | 4990   | Independent Study                     | 1 to 3 hours. Prerequisite: three courses in general area to be studied; senior standing; permission of instructor and department. May be repeated; maximum credit six hours. Through a written contract, independent study may be arranged for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| P SC    | 5003   | Introduction to Public Administration | Prerequisite: graduate standing. An introductory graduate seminar surveying the field of public administration and its role and position in contemporary government, providing a basis from which to undertake advanced studies of theoretical and substantive nature. Attention will be given to key themes in past and present of mainstream public administration, such as the foundation, personnel, organization, and policies of government. (F, Sp, Su)   |
| P SC    | 5013   | History and Theory of Urban Planning  | (Crosslisted with RCPL and SOC 5013) Prerequisite: open to seniors in social science departments, civil engineering and architecture, and to graduate students in regional and city planning. An introductory course on the history and theory of contemporary planning, focusing on the physical, social, institutional and economic structure and dynamics of human settlements, and on the role and responsibilities of the professional planner. (F)   |
| P SC    | 5023   | Problems in American Government       | Prerequisite: 12 hours in political science or senior standing and permission of instructor. May be repeated with change of content; maximum credit nine hours. Content varies with instructor. The focus is on the national government, including the political process and policies that relate to it. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| P SC    | 5033   | Foundations of Nonprofit Management            | Prerequisite: graduate standing. Introduces broad theories and managerial practices in the field of nonprofit management. The main foci of the course are to provide theoretical foundations of the nonprofit sector by examining its nature, scope, legal frameworks, functions, and policy implications and to examine various managerial challenges nonprofit organizations face due to their unique sector positions and how they respond to those challenges. Challenges are multifaceted (leadership, financial, personnel, performance evaluation and accountability, governmental relations) and the course will provide several case studies for students to review and seek potential solutions in individual as well as group settings. (Irreg.) |
| P SC    | 5043   | Public Policy Implementation                   | (Slashlisted with 4043) Prerequisite: graduate standing. This course examines how public laws are implemented. It investigates actors, institutions and processes influential in decisions and actions regarding public program delivery. No student may earn credit for both 4043 and 5043. (Irreg.)   |
| P SC    | 5053   | Agenda-Setting in Public Policy                | Prerequisite: graduate standing. This class will focus on agenda-setting and policy change - that is, how policy agendas are determined and their impact on policy change. In so doing, we will examine the role that various actors play (including public administrators), the impact of focusing events, political institutions, and the media. (Irreg.)   |
| P SC    | 5063   | Nonprofits and the Public Sector Relations     | Prerequisite: graduate standing. Explores various issues that arise from collaborative efforts between the nonprofit and government sectors in delivering public services. Includes an examination of a nonprofit-public sector collaboration and partnership, especially the nature of nonprofit-public sector strategic alliances, the dynamics of service delivery networks, and the effectiveness of collaborations. The role of nonprofits and the policy implications in social service contracting are examined. (Irreg.)  |
| P SC    | 5073   | Municipal Management and Leadership            | Prerequisite: graduate standing. Streets, water, sewer, trash, public safety, and business all center on Main Street U.S.A., and cities are literally where politics and policy directly meet citizens in their everyday lives. The management of urban areas involves a wide array of public administration skills and topics. Topics include: infrastructure, municipal finance, economic development, human resource management, and basic service delivery. Students will hone the skills of political analysis, project planning and strategic management. (Irreg.)  |
| P SC    | 5103   | Organizations: Design, Structure and Process   | Prerequisite: full graduate standing or permission of instructor. Analyzes large, complex organizations, particularly governmental units and other public sector agencies. Attention will be given to the principal theoretical models for their design and structure. Also seeks to understand system-subsystem relationships in the processes of decision making, communication, influence, leadership and technology. (F)  |
| P SC    | 5113   | Federalism and Intergovernmental Relations     | Covers the origins, development, and operational aspects of federalism in the U.S. Intergovernmental relations as the dynamics of federalism are studied as they impact on decision-making, administrative and fiscal patterns. Decentralization and reorganization are analyzed as they affect the administration of national programs. (Sp)   |
| P SC    | 5123   | The Making of American Foreign Policy          | A study of American policy formulation with its problems and limitations. Current American foreign policies and alternate courses of action are examined critically. (Irreg.)   |
| P SC    | 5133   | Strategic Planning and Performance Measurement | Prerequisite: graduate standing or permission of instructor. Introduces students to strategic planning, performance measurement, and benchmarking in the public sector. Provides an overview of strategic management and illustrates the development, implementation and reformulation of public policy and operational strategy. Emphasis on the changes in an organization's environment. (Irreg.)  |
| P SC    | 5143   | Program Evaluation and Applied Policy Analysis | Prerequisite: graduate standing. Methodology of planning and evaluating government policies and programs. Emphasizes research design, economic analysis of public policies and programs, and methods for handling threats to validity of research results. (F)  |

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| Subject | Number | Title                             | Course Description   |
|---------|--------|-----------------------------------|--|
| P SC    | 5153   | Problems in Public Management     | Prerequisite: graduate standing. Content will vary. May be repeated with change of content; maximum credit nine hours. Focus will center on various issues in public management. Particular courses may include emergency management, managing diversity, network management in public service delivery, or performance management. (Irreg.)   |
| P SC    | 5163   | Legislative Process and Behavior  | Prerequisite: graduate standing or permission of instructor. Examination of character of legislative process in United States Congress, American state legislatures and foreign legislative bodies; in-depth exploration of empirical hypotheses and related data concerning legislative process and behavior; major focus on legislature (especially Congress) as institution and on such topics as: committees; norms; socialization; leadership; staff; voting cues. (Irreg.)   |
| P SC    | 5170   | Problems in Public Administration | 2 to 3 hours. May be repeated; maximum credit six hours. Research and investigation on selected problems of public administration. Some alternative subjects; administrative theory and organizational theory; bureaucracy; organization and management; government corporations; administrative policy making; responsibility and accountability. (Irreg.)  |
| P SC    | 5173   | Bureaucracy and Politics          | Prerequisite: graduate standing. Examines the concept of the political role of the bureaucracy and the impact of other government institutions on bureaucratic structure, functions and behavior. The role of the bureaucracy in public policy making and the influence of politics on policy implementation are analyzed. (Sp)  |
| P SC    | 5183   | Public Budgeting and Finance      | Prerequisite: graduate standing or permission of instructor. Examines the techniques and politics of raising and spending public funds. Discusses topics such as deficit politics, legislative and executive powers, and the budgetary role of the courts. Assesses the impacts of taxing and spending policies. Explores issues relevant to national, state, and local governments. (Sp)  |
| P SC    | 5193   | Comparative Administration        | Will compare analytically the political, legal, economic and cultural influences. Similarities and contrasts in the bureaucratic functions and structures will be examined and attention given to organization around the chief executive, both centrally and in departments and ministries. (Irreg.)  |
| P SC    | 5213   | Risk, Public Policy, and Law      | Prerequisite: graduate standing. This seminar will focus on how concepts of risk serve to justify and shape public policies, legal rules, and risk management practices. It will introduce some of the primary methods for analyzing potentially risky policies and managing risk. We will begin with a focus on the definition of risk as it applies to public policy, and as it has been used to analyze and inform policies and laws designed to address risks. We will then turn to the differences between formal assessments of risk and the "perceived risks" and social, political and institutional responses that typically drive public policy. These concepts will then be applied to a set of specific cases in current public policies that involve the intersection of environmental, energy, natural disaster, and security concerns. (Irreg.) |
| P SC    | 5223   | Public Policy Analysis            | An introduction to public policy analysis and policy making with emphasis on the examination of selected policy issues. (F)  |
| P SC    | 5233   | Health Policy                     | Prerequisite: graduate standing. This course is designed to provide students with a clear understanding of the nature and dynamics of health policy making and administration in the United States. (Irreg.)   |
| P SC    | 5243   | Managing Public Programs          | Introduces MPA students to the general principles of management as they are applied in the public sector. Topics include: systems theory, systems design (PERT), organization design, techniques of supervision, public sector labor relations, public sector personnel practices, agency interface with political actors in the environment. (Irreg.)   |
| P SC    | 5253   | Human Resource Administration     | An analysis of the structure and role of manpower in all levels of U.S. government, focusing on the development of the public service, manpower planning, unionization of public employees and recent trends in public personnel relations. (Sp)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| P SC    | 5263   | Congress in the Political System                     | Prerequisite: graduate standing or permission of instructor. Empirically based course considering United States Congress and its role in American political system; examination of relationships between Congress and other institutions and actors. Possible topics include: Congress and the Presidency, interest groups, and lobbyists; Congress and Supreme Court; Congress and foreign policy; Congress and executive bureaus. (F)  |
| P SC    | 5283   | Problems in Law and the Constitution                 | Content varies. Intensive analysis of specific problems in legal or constitutional theory. Topics could include: Slavery and the constitution, capitalism and constitutional order, constitutional crisis and failure, law and morality, jurisprudence. (Irreg.)   |
| P SC    | 5293   | Administration, Ethics and American Government       | Prerequisite: graduate standing. An exploration of the role of ethics in American government, especially in public administration. Topics to be studied include codes of professional ethics for administrators, ethics and constitutionalism, law and ethics, and the ethical implications of differing approaches to administrative work and to democracy. (Irreg.)  |
| P SC    | 5313   | Urban Politics                                       | Prerequisite: graduate standing. Examine differing theories as to how urban governance, administration, and politics actually operate. Included in this examination are a variety of major issues related to urban governance and administration including intergovernmental relations, urban service delivery, fragmentation of urban areas between cities and suburbs, the rise of sunbelt cities, urban sprawl, racism, poverty, crime, and national urban policy. We will also examine broader visions and proposals to revitalize and enhance urban living. Finally, we will consider the current state of urban politics and where it might go in the future. (Irreg.) |
| P SC    | 5323   | Problems in Public Policy                            | May be repeated with change of content; maximum credit six hours. Content varies with professor. Focus on topics related to public policy issues at all levels of government, including the design, implementation, and evaluation of specific policy initiatives. (Irreg.)  |
| P SC    | 5333   | Environmental Policy and Administration              | Prerequisite: graduate standing. United States environmental policy, environmental movements, policy process, cost-benefit analysis, risk analysis and management, clean air policy, hazardous waste policy, other topical policy areas, global environmental issues. (Irreg.)   |
| P SC    | 5343   | Public Policy and Inequality                         | Prerequisite: graduate standing or permission of instructor. Explores alternative definitions of equality and their implications in terms of public policy. Specific topics include the role of issue definition and agenda-setting in policy formation, the causes and politics of inequality, the difficulties in measuring inequality, and institutional dynamics that exacerbate or ameliorate inequality. (F)   |
| P SC    | 5353   | State and Local Public Finance and Budgeting Systems | (Crosslisted with RCPL 5353) Prerequisite: graduate standing or permission. An overview of the process and methods for local capital improvement programs and capital budget preparation, and an examination of the relationships between local development policies and fiscal decision making, including revenue potential. (CE)   |
| P SC    | 5363   | Public Financial Management                          | Prerequisite: graduate standing or permission of instructor. Introduces students to important concepts, procedures, and skills associated with managing public monies. Major topics include government accounting, debt management, forecasting, cash management, and capital budgeting. (Irreg.)  |
| P SC    | 5373   | Education Policy                                     | Prerequisite: graduate standing. This course is designed to give students an overview of the major policy issues in primary, secondary, and higher education. Special attention will be given to how these issues relate to prominent theories of the policy process. (Irreg.)   |
| P SC    | 5383   | Survey of Political Communication                    | (Crosslisted with COMM 5383) Prerequisite: graduate standing. Embraces the premise that meaningful democracy requires an effective political communication system. Examines some of the tensions between the requirements of democracy and the forms of communication that have emerged to meet them, exploring the roles of political leaders, citizens, and the mass media in the evolution of a democratic political information system. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| P SC    | 5393   | Regulatory Policy  | Prerequisite: graduate standing or permission of instructor. Examines the reasons for the growth of administration regulation, regulatory agencies and processes, the nature of their formal, legal and informal powers, organization and procedures, and of their relationships with legislature, chief executives, courts, and interest groups, including consumer interests. (Irreg.)  |
| P SC    | 5400   | Problems in Political Behavior                                   | 2 to 3 hours. Prerequisite: graduate standing, qualified senior by permission of instructor. May be repeated; maximum credit six hours. Content varies, representative topics would include interdisciplinary contributions to the study of political behavior, political socialization, decision making, voting behavior, belief systems, political violence, personality and politics and political culture. (Irreg.)   |
| P SC    | 5403   | Mediating Institutions: Parties, Interest Groups, and Mass Media | Prerequisite: graduate standing. Surveys literature on parties, interest groups and mass media as institutions linking citizens and governments. (Irreg.)   |
| P SC    | 5413   | Rational Choice and Politics                                     | Prerequisite: graduate standing or permission of instructor. Rational choice and politics-the theory, applications, and critiques. Builds on the assumption that humans are narrowly self-interested and proceeds to examine whether this assumption can illuminate and explain various political outcomes, both in the abstract and in the particular context of American political institutions. (Sp)   |
| P SC    | 5423   | Mass Politics: Public Opinion, Voting, Realignment               | A survey of the literature on public opinion, voting behavior and realignment (or electoral change). Additional topics may include political socialization, participation and elite-mass interactions. (Irreg.)   |
| P SC    | 5433   | American Constitutional Development                              | Prerequisite: graduate standing or permission of instructor. This course focuses on changing conceptions of our national institutions and political thought that have led to dramatic changes in our view of the Constitution. (F)  |
| P SC    | 5453   | The Presidency   | Will survey recent literature on the institution of the American presidency and examine behavior of recent presidents. A research paper is required. (Irreg.)   |
| P SC    | 5463   | Representation in American Politics                              | Prerequisite: graduate standing or permission of instructor. Explores the concept of representation in American politics and government, and the implications of political representation for public policy and governance. With a primary focus on legislative and electoral institutions that shape representation, the course will also deal with the causes and consequences of under-representation. (Irreg.)  |
| P SC    | 5513   | International Relations Theory                                   | Overview and appraisal of the state of the field of international relations. Primary emphasis will be placed on scope and method issues and on a review of theoretical attempts to explain general and specific aspects of international relations. (Irreg.)  |
| P SC    | 5523   | Morality and Foreign Policy                                      | Prerequisite: graduate standing or permission of instructor. Addresses the moral and ethical foundations of foreign policy. Emphasis will be on American foreign policy, but may also include broader issues of foreign policy and international relations. Sample issues may include national interest versus conceptions of justice as foundations for foreign policy, idealism and realism in the American foreign policy tradition, ethical issues in international relations, globalization, genocide, just war theory, etc. Readings may be taken from political theory, American foreign policy, and international relations. (Irreg.) |
| P SC    | 5543   | International Law and Organizations                              | Prerequisite: graduate standing. Focuses on the organization of international politics via formal multilateral arrangements (international organizations) and informal multilateral agreements (international regimes) from a theoretical perspective. (F)  |
| P SC    | 5550   | Problems in International Relations                              | 2 to 3 hours. May be repeated; maximum credit six hours. Analysis of current international conflicts and problems with study of possible solutions. May include study of the role and current problems of the United Nations. (Irreg.)  |
| P SC    | 5553   | International Security   | Prerequisite: graduate standing. This course examines major theoretical approaches to the study of international security, including traditional approaches, the role of weapons, and new dimensions in internal security. (F)  |

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| Subject | Number | Title                                       | Course Description  |
|---------|--------|---|---|
| P SC    | 5563   | International Political Economy             | Prerequisite: graduate standing or permission of instructor. The organization of the international economic system and the opportunities and constraints faced by national governments in managing economic relations with other countries. Also examines the role of international agencies in managing economic crises and the globalization of the world economy. (Irreg.)   |
| P SC    | 5583   | Gender and Global Politics                  | Prerequisite: graduate standing. Provides a comprehensive survey of various approaches to understanding and analyzing how gender matters in global politics and international relations. Specifically, the course focuses on the gendered impact of neoliberal institutions and practices, migration and feminization of labor, and perspectives on human trafficking and sex trafficking. (Irreg.)   |
| P SC    | 5600   | Problems in Comparative Government          | 2 to 3 hours. May be repeated; maximum credit six hours. Content varies, but involves systematic comparative treatment of such central themes as the transitional society, change and revolution, modernization, political groups, constitutionalism, and bureaucracy. (Sp)   |
| P SC    | 5603   | Russian Politics in Comparative Perspective | Prerequisite: graduate standing or permission of instructor. Designed to demonstrate how comparativists who focus on Russia have engaged in seminal works in the subfield of comparative politics. (Irreg.)   |
| P SC    | 5623   | Nationalism and Ethnic Politics             | Prerequisite: graduate standing. Is nationalism, in the words of George Orwell, merely "power hunger tempered by self-deception," or does it contribute to the development of a democratic and tolerant citizenry? Why is nationalism associated with authoritarianism and ethnic conflict in the modern age, when the "golden age" of nationalism is linked to the emergence of democracy and self-determination? Did nationalism and the modern state arise simultaneously, or did one produce the other? How do elites seek to mobilize primordial bonds of kinship and loyalty, and what accounts for their success or failure to do so? When do nationalists seek autonomy or secession, and how might they be induced to share power after achieving independence? What motivates violence among ethnic actors and how might it be contained? This course addresses these questions and others in examining major theoretical approaches and thematic issues relevant to understanding nationalism and ethnic politics as modern phenomena. While focused explicitly on political issues, the literature on nationalism and ethnic politics is multidisciplinary and eclectic. Throughout the semester, we will draw on works from history, sociology, anthropology, economics, geography, law, and (of course) political science. (Irreg.) |
| P SC    | 5633   | Comparative Public Policy Analysis          | Analyzes the content of public policies cross-nationally, comparing the United States and several Western European democracies. Particular attention is given to social and economic policies, i.e., welfare state issues. (Irreg.)   |
| P SC    | 5643   | Politics in Western Europe                  | Analyzes western European politics in a comparative perspective. Attention will be given to both processes and structures of governments in western European countries with particular emphasis on interest articulation and policy outcomes. (Irreg.)  |
| P SC    | 5653   | Democracies and Democratization             | Prerequisite: graduate standing or permission of instructor. Examines the historical sources of modern democracy, the causal factors underlying the genesis and survival of democracy, the dynamics of democratic breakdowns and transitions from authoritarian rule, and the problems of democratic regime consolidation and quality. (Irreg.)   |
| P SC    | 5673   | Comparative Political Economy               | Prerequisite: graduate standing or permission of instructor. Examines the organization of economic institutions in different national settings, asking in particular how political systems help shape the economic institutions and outcomes. Specific issues include the organization of economic actors and their influence on economic policy, the impact of technology, and globalization. (Irreg.)   |
| P SC    | 5683   | Politics in Latin America                   | Prerequisite: graduate standing or permission of instructor. Covers recent approaches to understanding politics in Latin America, with an emphasis on questions of transitions to democracy and regime stability, the nature of democratic rule, and the role of political institutions, the economy, and the military. (F)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| P SC    | 5703   | Problems in Political Theory                                  | Prerequisite: graduate standing or permission of instructor. Content varies; may be repeated for credit with change of content; maximum credit twelve hours. Focuses on special topics in political theory. These might include concepts such as power, liberty, justice, equality, democracy, etc.; or particular theorists or schools of thought. (Irreg.)  |
| P SC    | 5713   | Classical Political Theory                                    | Prerequisite: 3703 or other undergraduate work introducing classical political thought. Open to qualified undergraduate students with permission of instructor. Devoted to study of the political thought developed in classical antiquity, at which time the quest for a systematic and rational understanding of political life emerged and permanently altered the way we think about politics. Emphasis will be given to the works of Plato and Aristotle. (Irreg.)   |
| P SC    | 5723   | Modern Political Theory                                       | Prerequisite: 3713 or other undergraduate work introducing modern political thought. Open to qualified undergraduate students with permission of instructor. Devoted to major works in modern political theory, from Machiavelli through Hegel, Marx and Nietzsche in the nineteenth century. Emphasis will be given to those thinkers whose ideas contribute to shaping the major forms of society and government found in the modern state. (Irreg.)  |
| P SC    | 5910   | Government Internship   | 2 to 8 hours. Prerequisite: 15 hours of political science or 24 hours of social science. May be repeated; maximum credit eight hours. (F, Sp, Su)   |
| P SC    | 5913   | Introduction to Analysis of Political and Administrative Data | Presents an introduction to the foundations and use of quantitative methods in political science/public administration. Topics covered include: conducting systematic research in political science/public administration, measurement theory, bivariate analysis, hypothesis testing and statistical inference. (F)  |
| P SC    | 5923   | Introduction to Analysis of Political Data                    | Prerequisite: graduate standing. Introduces elements of research methods and statistical analysis for political science. Students are expected to put these elements into practice by developing and initiating a basic research project. Basic statistics will be introduced as well. Oriented toward development and utilization of quantitative procedures and interpretation of results, rather than to theoretical issues and the mathematical derivation of formulas. Students may not receive credit for both P SC 5913 and P SC 5923. (F) |
| P SC    | 5933   | Intermediate Analysis of Political Data                       | Prerequisite: 5913; 5000-level prerequisite. Continues the study of the foundations and use of quantitative methods in political science. Topics covered include: probability theory, distribution theory, control table analysis, analysis of variance and correlation and regression analysis. (Sp)   |
| P SC    | 5940   | Advanced Research Methods: Special Topics                     | 1 to 3 hours. Prerequisite: 5913 or permission of instructor. May be repeated with change of subject matter; maximum credit six hours. Provides introduction into advanced qualitative or quantitative analytical methods for students who will pursue a career in research. Topics will vary but may include such methodologies as ethnographic, cultural, discriminant, or factor analysis. (Irreg.)  |
| P SC    | 5950   | Research Problems   | 2 to 5 hours. May be repeated with change of subject matter; maximum credit ten hours. Students must indicate field of research and hours credit at the time of enrollment. To be subdivided topically as follows: American national government, public administration, American state and local government, public law, popular government, international relations, comparative government, political theory, elections and political behavior, behavioral laboratory. (F, Sp, Su)  |
| P SC    | 5953   | Qualitative Research Methods                                  | Prerequisite: P SC 5913 or permission of instructor. This course provides graduate-level training in qualitative research methods as preparation for dissertation research. The course begins by orienting students towards research traditions and epistemological issues. It then considers a range of options for designing research and achieving causal inference. The last third of the course covers concrete tools that researchers may deploy while conducting fieldwork. (Irreg.)   |
| P SC    | 5960   | Directed Readings   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| P SC    | 5963   | Capstone in Public Administration            | Prerequisite: graduate standing. The primary role of government is to address the collective problems, needs, and challenges faced by its citizenry. Government addresses these issues through the development, enactment, and implementation of public policy. This class takes an analytical approach, broadly defined, to studying collective problems and government responses to these problems. The end product of this study will be a research paper. (Sp)  |
| P SC    | 5970   | Special Topics/Seminar                       | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| P SC    | 5980   | Research for Master's Thesis                 | Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. (F, Sp, Su)   |
| P SC    | 5990   | Independent Study                            | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| P SC    | 5999   |  | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| P SC    | 6003   | Political Science: Survey of a Discipline    | Prerequisite: admission to doctoral program in political science. Traces the development of the discipline of political science as well as the epistemological and theoretical foundations of the field. Emphasis is given to the role of research design for political analysis. Attention also is devoted to the professional norms and expectations of an academic career in political science. (Every third semester)   |
| P SC    | 6023   | Field Seminar in American Politics           | Prerequisite: graduate standing. Seminar designed to introduce as much of the field of American politics as possible. Includes epistemology and paradigms, institutionalism, the various political institutions that structure our politics, and the role of the individual in American politics. (Irreg.)  |
| P SC    | 6103   | Field Seminar in Public Administration       | Prerequisite: graduate standing. Review of the field of public administration. Investigates epistemology and paradigms of the field and considers the role of bureaucratic organizations in the American system of governance. (Irreg.)   |
| P SC    | 6113   | Foundations in Public Administration         | Prerequisite: graduate standing or permission of instructor. Broad overview of the public administration literature. Historical underpinnings of the subfield and its evolution. Focuses on the frameworks and theories scholars have developed to understand public administration generally. Both theoretical and empirical research are reviewed to examine the "big picture." (Irreg.)  |
| P SC    | 6123   | Seminar in American Politics and Bureaucracy | Content varies; examination of topics relating to the role of bureaucracy in the American political system and the economic, political and cultural impact of other institutions upon bureaucracy. (Irreg.)   |
| P SC    | 6133   | Foundations in Public Policy                 | Prerequisite: graduate standing or permission of instructor. Gives students a broad overview of the public policy literature. We examine the historical underpinnings of the subfield and familiarize ourselves with its evolution. The course is not substantive in the sense of studying particular policy areas (e.g., environmental, education), but rather focuses on the frameworks and theories scholars have developed to understand the policy process generally. Both theoretical and empirical research are reviewed in an effort to examine the "big picture." (Irreg.) |
| P SC    | 6143   | Seminar in Public Organization Behavior      | Covers the literature of organization theory which led to the organization behavior movement. Deals with the models of organization behavior in a cultural as well as organizational/governmental framework. (Irreg.)   |
| P SC    | 6173   | Seminar--Public Administration               | Directed research in selected areas of public administration. Commentary and discussion by instructor over general area or areas selected for research. Paper prepared by students and based upon individual research presented to the seminar for analysis and discussion. Example of topic: Decision making in governmental bureaucracy. (Irreg.)   |



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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| P SC    | 6223   | Field Seminar in Public Policy        | Prerequisite: permission of the instructor. A capstone seminar for doctoral students who have substantially completed public policy coursework in preparation of information on completing theories, frameworks, approaches, analytical tools, and guiding principles central to the study of the formulation, implementation, and evaluation of public policy. Attention also will be given to crosscutting topics such as values in the policy process, the role(s) of the policy analyst; ethics; and the utilization and misutilization of the results of social science research. (Irreg.) |
| P SC    | 6603   | Field Seminar in Comparative Politics | Prerequisite: graduate standing. This course is an exploration of the central theoretical concepts and problems of comparative politics. (Irreg.)   |
| P SC    | 6753   | Seminar in Political Theory           | Participants should have a basic knowledge of the history of political theory and should have taken at least one core graduate course in the field (5713, 5723, 5733) or the equivalent. The intensive study of a major text or issue in political theory. Topics examined in recent years include the politics of Aristotle, Rousseau, the political theory of the Enlightenment, and the Greek theory of the Polis. (Irreg.)  |
| P SC    | 6960   | Directed Readings                     | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| P SC    | 6970   | Special Topics/Seminar                | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| P SC    | 6980   | Research for Doctoral Dissertation    | (F, Sp, Su)   |
| P SC    | 6990   | Independent Study                     | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| PBIO    | 1114   | General Botany                        | Previous course in chemistry (high school or college) recommended. Fulfills Arts and Sciences' biological science requirement. Basic processes and structures in plants; their relation to factors in the environment; reproduction; heredity, heritable and nonheritable variations in plants and their causes and consequences are studied. Scientific procedures are acquired through application and discussion. Laboratory (F, Sp, Su) [II-LAB]  |
| PBIO    | 1999   | Lower Division Transfer Credit        | This course is not offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is not OU equivalent course.  |
| PBIO    | 2404   | Ecology & Environmental Quality       | (Crosslisted with ZOO 2404) Prerequisite: sophomore standing. Study of ecological principles and their applications to human systems, study of population, air pollution, water pollution, energy issues, etc. Laboratory exercises focus on learning scientific methods of measurement of environmental quality factors. Laboratory (Sp) [II-LAB]  |
| PBIO    | 2503   | Plant Care and Cultivation            | Prerequisite: PBIO 1114, or Biology 1005, or Biology 1114, or Biology 1134, or any introductory college Biology course. Application of the principles of botany to the cultivation, propagation, and maintenance of plants grown in home environments. Particular attention is given to the effects of light, water, minerals, and soil factors on plant growth; seed and vegetative propagation; pest control; and proper conditions for cultivated plants. (F)  |
| PBIO    | 3113   | Cell Biology                          | (Crosslisted with MBIO and BIOL 3113) Prerequisite: 1114, or Biology 1134, or Biology 1114 and 1121, or Biology 1124; and Chemistry 3053. Introduction to the cell as a unit of life. A chemical and physical comparison of prokaryotic and eucaryotic cells to include a discussion of cell metabolism, types of metabolic regulation and an analysis of ultrastructure. Emphasis will be placed on the dynamic changes in metabolism and ultrastructure which occur during the life of a cell. (F, Sp)  |

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| Subject | Number | Title                        | Course Description   |
|---------|--------|------------------------------|--|
| PBIO    | 3163   | Economic Botany              | Prerequisite: 1114, or Biology 1134, or Biology 1005, or any introductory biology course. A survey of plants and plant products used in industry, drug plants and drugs, and especially food plants and food adjuncts. Origin of agriculture, domestication and evolution of crop plants, and uses of plants in different cultures are emphasized. (F) [IV-WC]   |
| PBIO    | 3283   | Introduction to Genomics     | (Crosslisted with MBIO 3283) Prerequisite: PBIO 1114, or BIOL 1114, or BIOL 1134, or one course in Organic Chemistry (CHEM 3053 or CHEM 3153 or CHEM 3064 or CHEM 3164). Provides the most updated knowledge on prokaryotic and eukaryotic genomics including the biochemical, molecular and cellular structure of the genome as well as the current molecular and bioinformatics technologies existing when analyzing complex genomes and gene function. Through lectures and presentation of scientific literature, specific examples will be presented to highlight each aspect of the course. (F)                          |
| PBIO    | 3333   | Genetics                     | (Crosslisted with ZOO 3333) Prerequisite: eight hours of zoology and/or PBIO and/or microbiology, or five hours of zoology or PBIO or microbiology and permission of instructor. Principles of inheritance at gene, chromosome and population levels; nature of the genetic material and its involvement in the determination of structure and function. No laboratory. (F, Sp)  |
| PBIO    | 3342   | Genetics Laboratory          | (Crosslisted with ZOO 3342) Prerequisite: 3333 or concurrent enrollment or equivalent. The demonstrations, crosses and experiments are designed to illustrate various genetic phenomena, including Mendelian laws, recombination, mutation, natural and artificial selection and interaction of genotype with environment. The primary organism studied is Drosophila, with some use of corn, Neurospora and others. Laboratory (F)  |
| PBIO    | 3440   | Mentored Research Experience | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| PBIO    | 3451   | Methods in Plant Ecology     | Corequisite: PBIO 3453. Methodology in plant physiological, population, community and ecosystem ecology will be covered. Emphasis will be on actual field or laboratory experience and the applicability of these methods to other areas of ecology. Laboratory. (F)   |
| PBIO    | 3452   | Methods in Plant Ecology     | Prerequisite: 3534; corequisite 3453. Methodology in plant physiological, population, community and ecosystem ecology will be covered. Emphasis will be on actual field or laboratory experience and the applicability of these methods to other areas of ecology. Laboratory (F)  |
| PBIO    | 3453   | Principles of Plant Ecology  | Prerequisite: PBIO 1114 or Biology 1134 or permission of instructor. Introduction to physiological, population and community ecology. Emphasis is placed on environmental factors, disturbance and succession and how these factors affect species diversity and landscape patterns. One field trip. (F)   |
| PBIO    | 3534   | Flowering Plants             | Prerequisite: 1114 or six hours of biology or permission of instructor. Introduction to the classification of vascular plants with emphasis on the origin, evolutionary relationships and reproductive biology of the flowering plants. Laboratory activities stress identification skills, terminology, field techniques and family recognition for the flora of Oklahoma. Field trips. Laboratory (Sp)   |
| PBIO    | 3673   | Practical Bioinformatics     | (Crosslisted with MBIO 3673) Prerequisite: PBIO 1114, or MBIO 2815, or MBIO 3813, or BIOL 1005, or BIOL 1114, or equivalent introductory biology course, and junior standing, or instructor permission. Study of the use of computers to analyze and interpret various types of biological data. Topics covered will include accessing genomics databases, aligning DNA and protein sequences, searching genomic databases for similar sequences, analyzing protein structure, and building molecular phylogenies. Classes will emphasize group work and in-class computer exercises in a highly interactive environment. (Sp) |

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| Subject | Number | Title                           | Course Description  |
|---------|--------|---------------------------------|---|
| PBIO    | 3932   | Instrumental Methods in Biology | (Crosslisted with MBIO 3932) Prerequisite: one of the following: PBIO 4115 or Microbiology 2815 or Microbiology 3813 or Biology 2124 or one course in biochemistry; and Physics 2414. Principles of analytical measurements; common categories of instruments; advantages and disadvantages of each method; examples are chosen from medical technology, environmental technology, biochemistry, physiology, etc. (F)   |
| PBIO    | 3953   | Global Change Biology           | Prerequisite: PBIO 1114. Students will read, discuss and synthesize key literature in global change biology using a combination of lectures, in-class activities, and in-class discussions of primary literature. Explores the impacts of two main global change factors, climatic change and invasive species, influencing biodiversity, ecosystem structure and function with a final focus on the potential of adaptation and conservation approaches and utilization of models to help predict future impacts. (F, even-numbered years) |
| PBIO    | 3960   | Honors Reading (HONORS)         | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. (F, Sp, Su)   |
| PBIO    | 3970   | Honors Seminar                  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. (By request)  |
| PBIO    | 3980   | Honors Research (HONORS)        | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. (F, Sp, Su)   |
| PBIO    | 3990   | Independent Study               | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| PBIO    | 3999   | Upper Division Transfer Credit  | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| PBIO    | 4114   | Principles of Plant Physiology  | Prerequisite: PBIO 1114 and CHEM 3053 or permission of instructor. Plant Physiology is the study of how plants grow and develop, respond to biotic and abiotic factors in their environments, convert solar energy to chemical energy, and generally how plants go about their business. Modern plant physiology is a fairly all-inclusive discipline and incorporates plant anatomy and morphology, biochemistry, genetics, molecular biology, etc. Laboratory. (F)  |
| PBIO    | 4224   | Plant Development               | Prerequisite: PBIO 1114; PBIO 3333 and PBIO 4843 (recommended). Focuses on genetic networks that control various developmental processes during plant development. In the labs, we will examine and analyze the effects of mutations in developmental genes on plant development. By the end of the semester, students should understand how the plant life cycle is controlled at a molecular genetic level. Laboratory. (Sp)  |
| PBIO    | 4263   | Cell Biology Laboratory         | (Crosslisted with MBIO 4263) Prerequisites: MBIO 3812 and 3813, or two courses in Plant Biology, and completion of or concurrent enrollment in MBIO/PBIO/BIOL 3113 Cell Biology. This lab course will give students experience with modern techniques used in the study of cells. The techniques covered will allow exploration of cell biology at the level of tissues, single cells, subcellular components, and molecules. (F)   |
| PBIO    | 4264   | Morphology of Vascular Plants   | (Slashlisted with 5264). Prerequisite: permission of instructor. Structural organization and phylogenetic relationships of vascular land plants are explored using living and extinct plants. Emphasis is given to understanding the origins, unique and common features of plant life histories, organography and morphogenesis. No student may earn credit for both 4264 and 5264. (Irreg.)   |
| PBIO    | 4283   | Plant Anatomy                   | Prerequisite: seven hours in biology or permission of instructor. The structure and development of the organs of vascular plants as revealed by observations of representative living and prepared specimens. Theories concerning the evolution of organs and internal structure. (Sp odd-numbered years)   |

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| Subject | Number | Title                       | Course Description   |
|---------|--------|-----------------------------|--|
| PBIO    | 4313   | Biotechnology Applications  | (Crosslisted with MBIO 4313) Prerequisite: PBIO/BIOL 3113 or PBIO/BIOL 3333 or PBIO/MBIO/BIOL 4843 or PBIO/MBIO 4873 or Chemistry 3653 or permission of instructor. Intended for students who possess a working knowledge of molecular biology, this course will focus on developing familiarity with methods used in biotechnology to address pressing societal challenges. Students will put into practice central methods of biotechnology, gaining practical skills for use in future careers in laboratory science, particularly methods relevant to pharmaceutical production, agricultural improvement, bio-fuel production, and medical and forensic diagnostics, among others. (Sp) |
| PBIO    | 4394   | Advanced Light Microscopy   | (Crosslisted with BIOL 4394 and MBIO 4394; Slashlisted with 5394) Prerequisite: permission of instructor and junior standing. Corequisite: Lab section. Focuses on theory and techniques in light microscopy covering principles including confocal laser scanning microscopy, multiple photon imaging, FLIM/FCS, FRET, fluorescence microscopy, phase contrast, DIC, 3D rendering, and other advanced optical technologies. Also includes a lab section where students will learn to use advanced epifluorescence and confocal microscopes. No student may earn credit for both 4394 and 5394. (F)  |
| PBIO    | 4413   | Paleobotany                 | (Crosslisted with GEOL 4413; Slashlisted with 5413) Prerequisite: permission of instructor. Introduction to the fossil record of terrestrial plants from algae to flowering plants. Lectures will address anatomy, morphology, taphonomy and paleoecology, including climate and plant-animal interactions. Laboratories will put lecture topics into practice using fossil plants from the Oklahoma Museum of Natural History collection and from fieldwork. Field trips. No student may earn credit for both 4413 and 5413. Laboratory (Sp, even-numbered years)   |
| PBIO    | 4483   | Physiological Plant Ecology | (Slashlisted with 5483) Prerequisite: PBIO 3453 or PBIO 4115 or permission of instructor. Study of energy budgets, plant water relations, carbon uptake and release, nutrient uptake and availability, and other factors as they affect plant growth, competition and ecosystem-level factors. In-depth analysis of current literature. No student may earn credit for both 4483 and 5483. (F, even-numbered years)  |
| PBIO    | 4553   | Plant Geography             | (Slashlisted with 5553) Prerequisite: 3453, 3534, or permission of instructor. Analysis of the evolutionary, ecological, genetic and historical factors that affect present-day distributional patterns of plants on continents and islands. Particular emphasis is directed to range disjunctions and endemism as well as the effects of continental drift, geoclimatic changes, dispersal, polyploidy and phylogeny on the flora of North America. No student may earn credit for both 4553 and 5553. (F odd-numbered years)   |
| PBIO    | 4561   | Field Studies               | (Slashlisted with 5561) Prerequisite: 3453, 3534, or permission of instructor. May be repeated. Field-based studies of the flora and vegetation of a particular area. Readings and lectures focus on a regional flora, and the geohistorical, biogeographic, and ecological factors affecting vegetational patterns and dynamics. Observations of characteristic habitats and plant communities, and identification and recognition of important plants are stressed during field trips. No student may earn credit for both 4561 and 5561. (Irreg.)   |
| PBIO    | 4623   | Ecosystem Ecology           | (Slashlisted with 5623) Prerequisite: 3453 or equivalent. Studies interactions between organisms and their environment with an earth-system context. Students will learn general concepts of ecosystems; examine major factors that control ecosystems properties; explore ecosystem functions and structure and their spatial and temporal variation; and evaluate implications of ecosystem processes for functioning of the global system and sustainable use by human beings. No student may earn credit for both 4623 and 5623. (F)   |
| PBIO    | 4723   | General Mycology            | (Slashlisted with 5723) Prerequisite: PBIO 1114, or BIOL 1134, or MBIO 3812 and MBIO 3813. A survey of the fungi, including diversity, biology, and significance in ecology and human affairs. No student may earn credit for both 4723 and 5723. (Irreg.)   |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| PBIO    | 4733   | Environmental Remote Sensing   | (Slashlisted with 5733; Crosslisted with GIS 4733) Prerequisite: either a course or hands-on experience in remote sensing, GIS, statistical analysis, computer programming, or permission of the instructor and adviser. This course aims to help students develop comprehensive knowledge and advanced skills of remote sensing, and to apply it to the study of the structure, composition, and functions of vegetation, landscapes, and the biosphere. Students will learn laboratory and field-based hyperspectral data acquisition and analysis; field survey methods; land cover classification from multiple sensors (optical, microwave, and LiDAR) and time series data; and estimation of biophysical and biochemical parameters. Includes image processing software (ENVI) and algorithms. No student may earn credit for both 4733 and 5733. (Sp) |
| PBIO    | 4810   | Special Topics                 | (Slashlisted with 5810) 1 to 3 hours. Prerequisite: two courses in botany and permission. May be repeated with change of content; maximum credit three hours per semester, nine hours total. Topics will include newly developing areas of the discipline. Taught at an upper-division level based on previous course background. No student may earn credit for both 4810 and 5810 for the same course content. (Irreg.)   |
| PBIO    | 4843   | Molecular Biology              | (Crosslisted with MBIO and BIOL 4843; Slashlisted with 5843) Prerequisite: MBIO 3812 and MBIO 3813, or Plant Biology 1114, or Biology 1114, or Biology 1124, or Biology 1134, and one course in organic chemistry. Introduction to the characteristics and biological functions of nucleic acids and proteins in living cells with emphasis on nucleic acid replication, transcription, translation and regulation; also emphasis on the molecular aspects of microbial genetics transformation, transduction and conjugation; and emphasis on molecular immunology and genetic engineering/recombinant DNA technology. No student may earn credit for both 4843 and 5843. (F, Sp)  |
| PBIO    | 4873   | Microbial Phys & Molec Bio Lab | (Crosslisted with MBIO 4873) Prerequisite: junior standing or permission of instructor. Current techniques to explore molecular aspects of gene expression and regulation. Experiments include: plasmid and phage propagation, nucleic acid purification, DNA and protein manipulation, and gene analysis. (F, Sp) [II-LAB]   |
| PBIO    | 4953   | BioWriting                     | (Slashlisted with 5953; Crosslisted with BIOL/MBIO 4953) Prerequisite: permission of instructor. This course provides students engaged in research with the information and skills needed to effectively communicate as professional biologists. Students will learn to report the results of their own research in the format of a journal article, conference-style presentation, and poster. No student may earn credit for both 4953 and 5953. (Irreg.)   |
| PBIO    | 4960   | Directed Readings              | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| PBIO    | 4970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| PBIO    | 4983   | Senior Capstone: Plant Biol    | Prerequisite: 12 hours of botany and senior standing. Interdisciplinary approach to synthesize ideas from the major areas of botany. Readings, research and discussions on the important issues in botany at the present and into the next century. A major written assignment required. [V]  |
| PBIO    | 4990   | Independent Study              | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |

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| Subject | Number | Title                          | Course Description  |
|---------|--------|--------------------------------|---|
| PBIO    | 5264   | Morphology of Vascular Plants  | (Slashlisted with 4264). Prerequisite: graduate standing, permission of instructor. Structural organization and phylogenetic relationships of vascular land plants are explored using living and extinct plants. Emphasis is given to understanding the origins, unique and common features of plant life histories, organography and morphogenesis. No student may earn credit for both 4264 and 5264. (Irreg.)  |
| PBIO    | 5364   | Transmis Electron Microscopy   | (Crosslisted with MBIO and ZOO 5364) Prerequisite: permission. Introduction to the theory of transmission electron microscopy and practical instruction in specimen preparation, ultramicrotomy, instrument operation, photography and quantitative methods. Laboratory (F)   |
| PBIO    | 5374   | Scanning Electron Microscopy   | (Crosslisted with MBIO and ZOO 5374) Prerequisite: basic chemistry; basic physics; demonstrated need; permission of instructor. Principles of scanning electron microscopy combined with training in the operation of the SEM and ancillary equipment. Students will be certified in the operation of all equipment. Sample preparation on a variety of samples and darkroom procedures will be performed. Independent project with oral report and poster required. Laboratory   |
| PBIO    | 5394   | Advanced Light Microscopy      | (Crosslisted with BIOL 5394 and MBIO 5394; Slashlisted with 4394) Prerequisite: permission of instructor and graduate standing. Corequisite: Lab section. Focuses on theory and techniques in light microscopy covering principles including confocal laser scanning microscopy, multiple photon imaging, FLIM/FCS, FRET, fluorescence microscopy, phase contrast, DIC, 3D rendering, and other advanced optical technologies. Also includes a lab section where students will learn to use advanced epifluorescence and confocal microscopes. No student may earn credit for both 4394 and 5394. (F) |
| PBIO    | 5413   | Paleobotany                    | (Crosslisted with GEOL 5413; Slashlisted with 4413) Prerequisite: permission of instructor. Introduction to the fossil record of terrestrial plants from algae to flowering plants. Lectures will address anatomy, morphology, taphonomy and paleoecology, including climate and plant-animal interactions. Laboratories will put lecture topics into practice using fossil plants from the Oklahoma Museum of Natural History collection and from fieldwork. Field trips. No student may earn credit for both 4413 and 5413. Laboratory (Sp, even-numbered years)                                    |
| PBIO    | 5453   | Advanced Ecology/Evolut Biol   | (Crosslisted with MBIO and ZOO 5453) Prerequisite: general ecology. Required for students in the ecology and evolutionary biology doctoral program. An introduction to current research opportunities and research programs in ecology and evolutionary biology at the University of Oklahoma. Specific topics and lecturers will vary from week to week to give students a broad overview of ongoing research projects. (F)  |
| PBIO    | 5471   | Seminar-Ecology/Evolut Biology | (Crosslisted with MBIO and ZOO 5471) Prerequisite: graduate standing. Two semesters of enrollment are required for students in the ecology and evolutionary biology doctoral program. An intensive, student-based seminar in which students present both proposals and ongoing progress reports on doctoral level research projects in ecology and evolutionary biology. (F, Sp)  |
| PBIO    | 5483   | Physiological Plant Ecology    | (Slashlisted with 4483) Prerequisite: graduate standing and PBIO 3453 or PBIO 4115 or permission of instructor. Study of energy budgets, plant water relations, carbon uptake and release, nutrient uptake and availability, and other factors as they affect plant growth, competition and other ecosystem-level factors. In-depth analysis of current literature. No student may earn credit for both 4483 and 5483. (F, even-numbered years)   |
| PBIO    | 5553   | Plant Geography                | (Slashlisted with 4553) Prerequisite: 3453 or equivalent, 3534. Analysis of the evolutionary, ecological, genetic and historical factors that affect present-day distributional patterns of plants on continents and islands. Particular emphasis is directed to range disjunctions and endemism as well as the effects of continental drift, geoclimatic changes, dispersal, polyploidy and phylogeny on the flora of North America. No student may earn credit for both 4553 and 5553.  |

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| Subject | Number | Title                        | Course Description   |
|---------|--------|------------------------------|--|
| PBIO    | 5561   | Field Studies                | (Slashlisted with 4561) Prerequisite: 3453, 3534, or permission of instructor. May be repeated. Field-based studies of the flora and vegetation of a particular area. Readings and lectures focus on a regional flora, and the geohistorical, biogeographic, and ecological factors affecting vegetational patterns and dynamics. Observations of characteristic habitats and plant communities, and identification and recognition of important plants are stressed during field trips. No student may earn credit for both 4561 and 5561. (Irreg.)   |
| PBIO    | 5620   | Investigations in Botany     | 1 to 6 hours. Prerequisite: 15 hours of BOT/PBIO, permission of instructor. May be repeated; maximum of nine hours for a masters student and twelve hours for Ph.D. student. Only six hours allowed with one professor, unless approved by Department Chair by petition. Fields: Ecology, morphology, physiology, systematics, mycology, anatomy, electron microscopy, plant molecular biology. (F, Sp, Su)  |
| PBIO    | 5623   | Ecosystem Ecology            | (Slashlisted with 4623) Ecosystem Ecology (Slashlisted With 4623). Prerequisite: 3453 Or Equivalent. Studies Interactions Between Organisms And Their Environment Within An Earth-System Context. Students Will Learn General Concepts Of Ecosystems; Examine Major Factors That Control Ecosystems Properties; Explore Ecosystem Functions And Structure And Their Spatial And Temporal Variation; And Evaluate Implications Of Ecosystem Processes For Functioning Of The Global System And Sustainable Use By Human Beings. No Student May Earn Credit For Both 4623 And 5623. (F)  |
| PBIO    | 5723   | General Mycology             | (Slashlisted with 4723) Prerequisite: PBIO 1114, or BIOL 1134, or MBIO 3812, and MBIO 3813, and graduate standing. A survey of the fungi, including diversity, biology, and significance in ecology and human affairs. No student may earn credit for both 4723 and 5723. (Irreg.)   |
| PBIO    | 5733   | Environmental Remote Sensing | Prerequisite: either a course or hands-on experience in remote sensing, GIS, statistical analysis, computer programming, or permission of the instructor and adviser. This course aims to help students develop comprehensive knowledge and advanced skills of remote sensing, and to apply it to the study of the structure, composition, and functions of vegetation, landscapes, and the biosphere. Students will learn laboratory and field-based hyperspectral data acquisition and analysis; field survey methods; land cover classification from multiple sensors (optical, microwave, and LiDAR) and time series data; and estimation of biophysical and biochemical parameters. Course is composed of lecture, computer laboratory, data collection, student project, presentations and reports, and review of literature. Students will learn image processing software (ENVI) and algorithms. No student may earn credit for both 4733 and 5733. (Sp) |
| PBIO    | 5810   | Special Topics               | (Slashlisted with 4810) 1 to 3 hours. Prerequisite: two courses in plant biology, graduate standing, and permission of instructor. May be repeated with change of content; maximum credit three hours per semester, nine hours total. Topics will include newly developing areas of the discipline. Taught at the graduate level based on previous course background. No student may earn credit for both 4810 and 5810 for the same content. (Irreg.)   |
| PBIO    | 5843   | Molecular Biology            | (Crosslisted with MBIO and BIOL 5843; Slashlisted with 4843) Prerequisite: graduate standing or permission of instructor. Introduction to the characteristics and biological functions of nucleic acids and proteins in living cells with emphasis on nucleic acid replication, transcription, translation and regulation; also emphasis on the molecular aspects of microbial genetics -- transformation, transduction and conjugation; and emphasis on molecular immunology and genetic engineering/recombinant DNA technology. No student may earn credit for both 4843 and 5843. (F, Sp)   |
| PBIO    | 5883   | Advanced Molecular Biology   | (Crosslisted with MBIO 5883) Prerequisite: graduate standing and MBIO/Plant Biology/Biology 4843 or 5843; or Chemistry 3653; or permission of instructor. This course will expose students to the study of molecular biology in real-life research laboratories, focusing on the thought and practice behind molecular biology. Scientific literature will be used as a source of information to highlight the practical concerns for students working in molecular biology laboratories. (Sp)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| PBIO    | 5953   | BioWriting                                     | (Slashlisted with 4953; Crosslisted with BIOL/MBIO 5953) Prerequisite: permission of instructor. This course provides students engaged in research with the information and skills needed to effectively communicate as professional biologists. Students will learn to report the results of their own research in the format of a journal article, conference-style presentation, and poster. Graduate students have additional assignments beyond those completed by undergraduates. No student may earn credit for both 4953 and 5953. (Irreg.) |
| PBIO    | 5960   | Directed Readings                              | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| PBIO    | 5970   | Special Topics/Seminar                         | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| PBIO    | 5971   | Seminar in Botany                              | Prerequisite: graduate standing, majors only, and permission of instructor. Required of all graduate students in botany. May be repeated; maximum credit two hours for the master's degree, three hours for the doctor's degree. Selected topics in botany. Each student is called upon for discussion or formal presentations. No laboratory. (F, Sp)  |
| PBIO    | 5980   | Research for Master's Thesis                   | Variable enrollment, two to nine hours; maximum credit applicable toward degree, six hours. Preparation of an original research paper in one of the fields of botany. (F, Sp, Su)   |
| PBIO    | 5990   | Special Studies in Botany                      | 1 to 3 hours. Prerequisite: 15 hours of BOT/PBIO, permission of instructor. May be repeated; maximum credit 12 hours, with a limit of six hours with one professor unless approved by Department Chair by petition. The student selects an area in which the student desires to read intensively, then selects a staff member who is an authority in that field and together they plan a program for investigation of the literature. (F, Sp, Su)   |
| PBIO    | 5999   | Graduate Level Transfer Credit                 | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| PBIO    | 6003   | Ecological Modeling                            | (Crosslisted with MBIO and ZOO 6003) Prerequisite: one computer course, one course in ecology, or permission of instructor. Trains students to use modeling tools in their research and to gain greater ability to understand, appreciate, and criticize modeling work. Students will learn general procedure and principles with case studies of successful models in ecology and participate in course projects to gain hands-on experience in model development. (Irreg.)  |
| PBIO    | 6960   | Directed Readings                              | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| PBIO    | 6970   | Special Topics/Seminar                         | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| PBIO    | 6980   | Research Doctoral Dissertation                 | 2 to 16 hours. Preparation of a research paper consisting of a notable contribution to knowledge in one of the fields of botany. (F, Sp, Su)  |
| PBIO    | 6990   | Independent Study                              | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| PCUS    | 1999   | Lower Division Transfer Credit                 | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| PCUS    | 2000   | Freshman and/or Sophomore Secondary Percussion | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |



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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| PCUS    | 2020   | Percussion for Music Majors: Freshman/Sophomore             | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| PCUS    | 3440   | Mentored Research Experience                                | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| PCUS    | 3999   | Upper Division Transfer Credit                              | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| PCUS    | 4000   | Junior and/or Senior Secondary Percussion                   | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| PCUS    | 4020   | Percussion for Music Majors: Junior/Senior                  | 1 to 4 hours. Prerequisite: majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| PCUS    | 5000   | Master's-Level Secondary Percussion                         | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| PCUS    | 5010   | Master's-Level Percussion for Non-Performance Music Majors  | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| PCUS    | 5020   | Master's-Level Percussion for Performance Majors            | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| PCUS    | 5999   | Graduate Level Transfer Credit                              | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| PCUS    | 6000   | Doctoral Secondary Percussion                               | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| PCUS    | 6010   | Doctoral Percussion for Non-Performance Music Majors        | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| PCUS    | 6020   | Doctoral Percussion for Performance Majors                  | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| PDC     | 6003   | History and Philosophy of Planning, Design and Construction | Prerequisite: graduate standing with permission of instructor. Explore the events, phases and evolution of planning, design and construction; review historical developers, city planners and contractors and the contributions/impacts they had on the professions and marketplace; explore the future based on the past. (Sp)   |
| PDC     | 6023   | Advanced Research Methods                                   | Prerequisite: graduate standing with permission of instructor. Explore discipline-based qualitative and quantitative research methods; develop dissertation research design and support documentation; apply for funding for the dissertation project. (F)  |

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| Subject | Number | Title                                       | Course Description  |
|---------|--------|---|---|
| PDC     | 6980   | Research Doctoral Dissertation              | 2 to 16 hours. (F, Sp, Su)  |
| PERS    | 1115   | Beginning Persian                           | This course is for students who have no background in the Persian language and wish to learn the language at an academic level. Students learn the Persian alphabet, phonology, and syntax. (F) [I-FL]  |
| PERS    | 1225   | Beginning Persian Continued                 | Prerequisite: PERS 1115 or permission of department. A continuation of PERS 1115. An elementary-level course, which stresses oral communication, vocabulary building, simple sentence structure, reading comprehension and writing elementary-level texts, and gaining familiarity with Persian culture. (Sp)   |
| PERS    | 2113   | Intermediate Persian                        | Prerequisite: PERS 1225. Continuation of PERS 1225. An intermediate level course, which will stress listening, speaking, reading and writing at the intermediate level with more emphasis on reading and writing. Students are expected to gain proficiency of Intermediate Mid on the American Council on Teaching of Foreign Languages Scale. (F)   |
| PERS    | 2223   | Intermediate Persian Continued              | Prerequisite: PERS 2113. Continuation of PERS 2113. Intermediate-level course, which will continue developing language skills: speaking, writing, listening and reading at the intermediate high-level. Students are expected to gain proficiency of Intermediate High on the American Council on Teaching of Foreign Languages Scale. (Sp)   |
| PERS    | 3440   | Mentored Research Experience                | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| PHIL    | 1013   | Introduction to Philosophy                  | Basic problems of philosophy explored through a consideration of selected philosophers. (F, Sp, Su) [IV-WC]   |
| PHIL    | 1103   | Critical Reasoning                          | An informal survey of evaluative principles of reasoning. The application of these principles is emphasized, and common errors and fallacies in everyday, ethical, legal, and scientific reasoning are discussed. This course is not a course in formal symbolic logic or mathematical logic. (F, Sp) [III-SS]  |
| PHIL    | 1113   | Introduction to Logic                       | Prerequisite: MATH 0123 or satisfactory score on Math placement test. An introduction to modern logic and its applications. Emphasis is placed on deductive logic, but may also include some treatment of inductive logic. Various common fallacies and errors in reasoning will also be discussed. (F, Sp, Su) [I-M]   |
| PHIL    | 1203   | Philosophy and Human Destiny, East and West | (Crosslisted with IAS 1203) An inquiry into values bearing upon human destiny or fulfillment with special attention to values inspired by religion in both western and eastern traditions. (Irreg.) [IV-WC]   |
| PHIL    | 1213   | Introduction to Ethics                      | Basic issues in moral philosophy examined through a consideration of selected philosophers, including a sampling of normative theories as well as an introduction to issues of metaethics. (F, Sp, some Su) [IV-WC]   |
| PHIL    | 1223   | Introduction to Asian Philosophy            | (Crosslisted with IAS 1223) Survey of the major figures and schools of philosophy in Asia. Includes study of Hinduism, Buddhism, Confucianism, and Daoism. (F) [IV-NW]  |
| PHIL    | 1233   | Contemporary Moral Issues                   | Philosophical exploration of major contemporary moral issues such as euthanasia, abortion, death penalty, war and terrorism, poverty and world hunger, animal rights, pornography, marriage, affirmative action, drug legalization, and organ sales. Students will read contrasting views from prominent philosophers, and learn about how moral theories may be invoked in support of positions on those issues. (F, Sp)[IV-WC]  |
| PHIL    | 1263   | Introduction to Ethics in Health Care       | An overview of important issues in health care ethics, including dilemmas facing providers, patients, researchers, and society at large. The course will introduce facts and concepts drawn from health care practice, and a variety of philosophical approaches used to analyze ethical dilemmas. (F, Sp) [IV-WC]  |

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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| PHIL    | 1273   | Introduction to Business Ethics         | An overview of important issues in business ethics, including the morality of market systems, business-customer relations, employer-employee relations, and firm-shareholder relations. The course will introduce facts and concepts drawn from economic analysis and business practice, as well as a variety of philosophical approaches used to analyze ethical considerations. (F, Sp) [IV-WC]   |
| PHIL    | 1713   | Justice in Society                      | Introduces students to justice, both as a regulative ideal and as a conscious process of social transformation. Consideration of how to reflect on the society we could have without ignoring past and present transgressions of sexism, racism, ethnic hatred, economic discrimination, religious discrimination, etc. (Irreg.)  |
| PHIL    | 1999   | Lower Division Transfer Credit          | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| PHIL    | 2403   | Introduction to Philosophy of Religion  | A systematic critical discussion of religious world-views. Topics covered include definitions of religion, reason and faith, authority, proofs for God's existence, evil and immortality. (Irreg.)  |
| PHIL    | 2900   | Special Topics                          | 1 to 4 hours. May be repeated with change of topic; maximum credit nine hours. Topics in philosophy not accommodated by the existing curriculum will be taught from time to time (examples: Islamic philosophy, Navajo thought, feminism). (Irreg.)   |
| PHIL    | 3023   | Aesthetics and the Philosophy of Art    | Prerequisite: six hours of Philosophy or junior standing. Examines historical and contemporary views about the nature, value, social role and interpretation of artworks in a variety of artistic media. The appreciation of nature and of everyday experience is also discussed. (Irreg.) [IV-WC]  |
| PHIL    | 3033   | Philosophy and Literature               | Literature expresses in concrete form what philosophy discusses in abstract terms: views of the world that human beings inhabit; views of the nature of human freedom and rationality; and views of the good human life. Use of literature to illustrate philosophical issues, and philosophy to reveal the unstated assumptions and implications of selected literary works. (Irreg.) [IV-WC]  |
| PHIL    | 3043   | Philosophy and Film                     | Prerequisite: six hours of philosophy or junior standing. Use of films to shed light on philosophical issues, and philosophy to reveal the philosophical assumptions and implications of selected films. Training in philosophical modes of thought can enrich our understanding of film-as of other cultural products and activities-by revealing dimensions that might otherwise go unnoticed or insufficiently appreciated. (Irreg.) [IV-WC]   |
| PHIL    | 3113   | Reasoning, Judgment and Decision Making | Prerequisite: Six hours of philosophy or junior standing; and Math 0115 or equivalent; math placement test. This course covers the three basic approaches to reasoning and decision making. The first (normative) component covers the basics of probability theory and decision theory. The second (descriptive) component focuses on research on the ways people actually reason. The third (prescriptive) component focuses on ways of improving reasoning. (Irreg.) [I-M]   |
| PHIL    | 3243   | Civility                                | Prerequisite: 6 hours of Philosophy or junior standing. Addresses the moral, social, and political aspects of the virtue of civility. Course readings will range from theoretical works linking civility to broad moral and political concerns to more applied approaches that seek to address how civility practices have altered alongside historical, sociological, and technological changes in society. (Irreg.)   |
| PHIL    | 3253   | History of Ethics                       | Prerequisite: six hours of philosophy. A survey of the major figures in the history of moral philosophy with emphasis on their interrelations, influences on each other and effect on contemporary moral philosophy. (Sp) [IV-WC]   |
| PHIL    | 3263   | Virtue Ethics                           | Prerequisite: junior standing or six hours of Philosophy. An overview of the history of virtue ethics from the ancient Greeks to the present day, covering the historical zenith of virtue ethics through the Middle Ages, the fall of virtue concepts in the early modern period, and the rebirth of virtue ethics in the later 20th century. Discusses a number of executive, moral, intellectual, and civic virtues and their related vices, and addresses some of the fundamental philosophical questions that arise in the study of virtue ethics. (F, Sp) [IV-WC] |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| PHIL    | 3273   | Ethics and Business                           | Prerequisite: Six hours of philosophy or junior standing. A study of how ethics illuminates business activities. Topics include: the philosophical bases of capitalism; the legitimacy of the profit motive; virtue and the marketplace; corporate responsibility; government regulation; the marketplace and the environment; the ethics of advertising; employee privacy; and the challenges posed by the developing information age. (Irreg.) [IV-WC]   |
| PHIL    | 3293   | Environmental Ethics                          | Prerequisite: junior standing or permission of instructor. Surveys the field of environmental ethics. Various principles philosophers use to assign value to the natural world and assign obligations toward nature to human beings are examined by students in order to articulate and defend their own reasoned points of view on environmental questions. (Irreg.) [IV-WC]  |
| PHIL    | 3313   | History of Ancient Philosophy                 | Prerequisite: six hours of philosophy. A survey of Greek and Roman philosophy with concentration on selected readings in classical philosophy from Thales to St. Augustine. (F) [IV-WC]  |
| PHIL    | 3333   | History of Modern Philosophy                  | Prerequisite: six hours of philosophy. A survey of modern European philosophy with concentration on selected readings from the Renaissance through Kant. (Sp) [IV-WC]  |
| PHIL    | 3343   | Chinese Philosophy                            | (Crosslisted with IAS 3343) Prerequisite: Six hours of philosophy or junior standing. Survey and analysis of the major texts and schools of philosophy in China, from the ancient world to the contemporary era. (Irreg.) [IV-NW]  |
| PHIL    | 3353   | American Philosophy                           | A study of important American philosophers and philosophical movements, from Jonathan Edwards through pragmatism. (Irreg.) [IV-WC]   |
| PHIL    | 3363   | Comparative Philosophy                        | (Crosslisted with IAS 3363) Prerequisite: Six hours of philosophy or junior standing. A study of topics of significant philosophical interest that includes study and analysis of both western and non-western philosophical sources. (Irreg.) [IV-WC]   |
| PHIL    | 3393   | History of Analytic Philosophy                | Prerequisite: six hours of philosophy or junior standing. This course, open to non-majors, explores some of the main methods and topics of interest in the analytic philosophical tradition. We will examine the views of influential philosophers, starting around the beginning of the twentieth century, on questions such as: What is the world made up of? What is the nature of time? What is knowledge, and do we have any? What is the relationship between thought and language, and which comes first? How is the mind related to the body? Can computers think? And just how should philosophers approach such questions? (Irreg.) [WC] |
| PHIL    | 3423   | Ancient and Medieval Religious Philosophy     | Prerequisite: six hours of philosophy or junior standing. Covers the history of religious philosophy in the West from ancient Greece until the 16th century. Major figures studied include Plato, Aristotle, the Stoics, Plotinus, Augustine, Boethius, Anselm, Maimonides, Aquinas, Averroes, Scotus, Ockham, and the Reformers. (Irreg.) [IV-WC]   |
| PHIL    | 3433   | Modern Philosophy of Religion                 | Prerequisite: six hours of philosophy or junior standing. Covers the history of modern religious philosophy in the West from the 17th to the mid-20th centuries. Major figures studied include Descartes, Pascal, Leibniz, Locke, Hume, Kant, Kierkegaard, Nietzsche, Clifford, James, Freud, and Wittgenstein. (Irreg.) [IV-WC]   |
| PHIL    | 3440   | Mentored Research Experience                  | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| PHIL    | 3443   | Contemporary Issues in Philosophy of Religion | Prerequisite: six hours of philosophy or junior standing. Issues currently debated in philosophy of religion. Topics include the rationality of religious belief, the problem of evil, the dilemma of divine foreknowledge and human free will, life after death, the relation between science and religion, and religion and public policy. (Irreg.) [IV-WC]  |
| PHIL    | 3503   | Self and Identity                             | Prerequisite: 1013 or permission of instructor. Introduction to a number of philosophical topics about the self including personal identity, immortality, unity of self-consciousness, self-knowledge, and nature of self. (Irreg.) [IV-WC]  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| PHIL    | 3533   | Language, Communication, and Knowledge        | Prerequisite: six hours of philosophy or junior standing. The nature of language and communication as studied by linguists and philosophers. Topics will include the nature of meanings; the relationship between syntax, semantics, and pragmatics; and the transmission of knowledge through testimony. Combines philosophical readings with readings from the empirical sciences. (Irreg.) [IV-WC]   |
| PHIL    | 3613   | Philosophy of Biology                         | Prerequisite: six hours of philosophy or junior standing. Philosophical issues raised by evolutionary theory. Topics include creationism versus evolutionary theory; what makes a hypothesis scientific; can evolutionary theory explain psychological or cultural phenomena? (Irreg.) [IV-WC]  |
| PHIL    | 3623   | Philosophical Issues in Physics and Cosmology | Prerequisite: six hours of philosophy or junior standing. Focus on philosophical issues raised by relativity theory (e.g. the nature of space and time), quantum theory (e.g. non-local action, the measurement problem), and cosmology (e.g. how did the universe begin, will it end and how, and what sense can be made of the universe beginning and ending?). (Irreg.) [IV-WC]  |
| PHIL    | 3633   | The Nature of Science                         | Prerequisite: six hours of Philosophy or junior standing. Issues related to the nature and scope of science. Topics may include distinguishing science from pseudo-science; the nature of scientific theories; the history of scientific progress; and the theory-ladenness of observation. Also, brief comparisons of different special sciences may be made in order to investigate what they have in common and what is special to each. (Irreg.)                                    |
| PHIL    | 3713   | History of Social and Political Philosophy    | Prerequisite: six hours of philosophy or junior standing. A survey of the views of major philosophers from Plato to the nineteenth century on the nature of man's relation to society and to the state in the context of their wider philosophical (logical, epistemological, metaphysical and ethical) doctrines. Plato, Aristotle, Aquinas, Hobbes, Locke, Rousseau, Hegel and Marx are the chief figures covered, though others will be considered as time permits. (Irreg.) [IV-WC] |
| PHIL    | 3723   | Contemporary Social and Political Philosophy  | Prerequisite: Six hours of philosophy or junior standing. A study of contemporary discussions of political legitimacy, political obligation, democracy, theories of justice and desert, and accounts of individual and group rights. Topics include issues such as political liberalism and its contemporary critiques, discourse-based political theory, theories of procedural and deliberative democracy, and cultural pluralism. (Irreg.) [IV-WC]                                   |
| PHIL    | 3733   | Religion in Political Theory                  | Prerequisite: six hours of Philosophy or junior standing. Survey of views on religion in political life held by important political theorists in the modern western tradition and consider how theoretical positions on the role of religion in political life are reflected in political institutions, such as the first amendment establishment clause. (Irreg.) [IV-WC]  |
| PHIL    | 3743   | Feminist Philosophy                           | Prerequisite: Six hours of philosophy or junior standing. A study of the major schools of feminist philosophy, as well as issues of perennial and contemporary interest in feminist philosophy. (Irreg.) [IV-WC]  |
| PHIL    | 3753   | Philosophy of Race                            | Prerequisite: junior standing or six hours of philosophy. Addresses philosophical questions about race. Social justice will be an important focus of the course. Additional specific issues related to race and racism will also be addressed; hopefully, a better understanding of the philosophical issues and a commitment to the eradication of racism and racial injustice will be reached. (Irreg.) [IV-WC]   |
| PHIL    | 3763   | Law and Society                               | Prerequisite: six hours of philosophy or junior standing. An introduction to the history and structure of the main controversies in modern law, with special attention to the United States legal system. Covered topics include natural law, legal realism, the law and economics movement, theories of responsibility and liability, feminist legal theory, and theories of text interpretation. (Irreg.) [IV-WC]   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| PHIL    | 3803   | Topics in Philosophy for Majors                     | Prerequisite: 6 hours of Philosophy and declared Philosophy major. May be repeated with change of content; maximum credit 6 hours. This is the majors-only version of a 3000-level course designated by the Philosophy Department to serve as a "target class" for PHIL 3811, the Writing Workshop in Philosophy. It meets concurrently with that designated course. Content will vary depending on the designated course, but will include intensified writing requirements. (F, Sp) |
| PHIL    | 3811   | Philosophy Writing Workshop                         | Prerequisite: co-requisite with 3813, 3833 or 3853. Intensive instruction on how to write papers in philosophy. Students will use the workshop to help them write the term paper for a designated target class, in which they must be concurrently enrolled. (F, Sp)  |
| PHIL    | 3813   | History of Ancient Philosophy for Majors            | Prerequisite: six hours of philosophy and Philosophy or Ethics and Religion major. A survey of Greek and Roman philosophy with concentration on selected readings in classical philosophy from Thales to St. Augustine. For majors in Philosophy or Ethics and Religion. No student may earn credit for both 3313 and 3813. (F, Sp)   |
| PHIL    | 3833   | History of Modern Philosophy for Majors             | Prerequisite: six hours of philosophy and Philosophy or Ethics and Religion major. A survey of modern European philosophy with concentration on selected readings from the Renaissance through Kant. For majors in Philosophy or Ethics and Religion. No student may earn credit for both 3333 and 3833. (F, Sp)  |
| PHIL    | 3843   | Chinese Philosophy for Majors                       | Prerequisite: six hours of Philosophy and declared Philosophy major. Survey and analysis of the major texts and schools of philosophy in China, from the ancient world to the contemporary era. This is the majors-only version of PHIL 3343, Chinese Philosophy; it meets concurrently with that course, but has intensified writing requirements. It can serve as a "target class" for PHIL 3811, the Writing Workshop in Philosophy. (Irreg.)                                      |
| PHIL    | 3853   | History of Ethics for Majors                        | Prerequisite: six hours of philosophy and Philosophy or Ethics and Religion major. A survey of the major figures in the history of moral philosophy with emphasis on their interrelations, influences on each other and effect on contemporary moral philosophy. For majors in Philosophy or Ethics and Religion. No student may earn credit for both 3253 and 3853. (Sp)   |
| PHIL    | 3900   | Special Topics                                      | 1 to 4 hours. May be repeated with change of topic, maximum credit nine hours. Topics in philosophy not accommodated by the existing curriculum will be taught from time to time. (Irreg.)  |
| PHIL    | 3960   | Honors Reading                                      | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor in keeping with the student's major program. Topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| PHIL    | 3980   | Honors Research                                     | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| PHIL    | 3990   | Independent Study                                   | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| PHIL    | 3999   | Upper Division Transfer Credit                      | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| PHIL    | 4023   | Survey of Analytic Aesthetics and Philosophy of Art | (Slashlisted with 5023) Prerequisite: eight hours of philosophy or permission of department. Survey of major philosophical topics in aesthetics and the philosophy of art. Topics include the ontology of art, interpretation, the value of artworks, the relationship between aesthetic and moral value, and aesthetic experience in everyday life. No student may earn credit for both 4023 and 5023. (Irreg.)  |
| PHIL    | 4133   | Symbolic Logic I                                    | An introduction to the symbolism and methods of modern deductive logic. (F)   |

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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| PHIL    | 4293   | Ethical Theory                            | (Slashlisted with 5293) Prerequisite: eight hours of philosophy including an ethics course or permission. A survey of theories of the nature and foundations of morality. Topics may include the analysis of moral language, the justification of moral beliefs, and the status of ethical theories. No student may earn credit for both 4293 and 5293. (Sp)  |
| PHIL    | 4343   | Early Chinese Philosophy                  | (Slashlisted with 5343, Crosslisted with IAS 4343) Prerequisite: eight hours of Philosophy or permission. Survey of pre-Qin Chinese philosophy, including the major texts and figures of Confucianism, Daoism, and other notable schools. No student may earn credit for both 4343 and 5343. (Irreg.)   |
| PHIL    | 4473   | Philosophy of Religion                    | (Slashlisted with 5473) Prerequisite: eight hours of philosophy or permission. Survey of topics in the philosophy of religion. Topics covered include the concept of God, the problem of religious knowledge, the nature of religious language, the problem of evil, and particular thinkers. No student may earn credit for both 4473 and 5473. (Irreg.)   |
| PHIL    | 4513   | Metaphysics                               | (Slashlisted with 5513) Prerequisite: eight hours of philosophy or permission. Survey of major philosophical views about the nature of reality. Topics covered may included the mind-body problem, causation, personal identity, free will and determinism, universals, and the existence of God. No student may earn credit for both 4513 and 5513. (Sp)   |
| PHIL    | 4523   | Epistemology                              | (Slashlisted with 5523) Prerequisite: eight hours of philosophy or permission. Survey on the evaluation of human reasoning and the nature and scope of human knowledge. Topics include skepticism, the nature of justification, the ethics of belief, and the problem of induction. No student may earn credit for both 4523 and 5523. (F)  |
| PHIL    | 4533   | Philosophy of Language                    | (Slashlisted with 5533) Prerequisite: eight hours of philosophy or permission. Survey of major philosophical views on the nature and workings of language. Topics covered include: meaning and truth, sense and reference, speech acts, and communication. No student may earn credit for both 4533 and 5533. (Irreg.)  |
| PHIL    | 4543   | Philosophy of Mind                        | (Slashlisted with 5543) Prerequisite: eight hours of philosophy or permission. Survey of major philosophical views on the nature of the mind. Topics covered may include: the nature and unity of consciousness, the mind-body problem, personal identity, the emotions, actions and intentions, self-knowledge, and other minds. No student may earn credit for both 4543 and 5543. (Irreg.)   |
| PHIL    | 4613   | Philosophy of Science                     | (Slashlisted with 5613) Prerequisite: eight hours of philosophy or permission. Survey of main issues in the philosophy of science. Topics will include the structure of scientific theories, theory testing, and the rationale of scientific methodologies. The rationality of scientific belief and the moral constraints on scientific research may also be discussed. No student may earn credit for both 4613 and 5613. (Irreg.)                                    |
| PHIL    | 4623   | Philosophy of The Social Sciences         | (Slashlisted with 5623) Prerequisite: nine hours of upper-division social sciences or permission. Survey of issues in the philosophy of the social sciences. Topics covered will include explanation in the social sciences, theory construction, theories and observation, evidence and theory of confirmation, theoretical constructs and operationism, verstehen and objectivity. No student may earn credit for both 4623 and 5623. (Irreg.)                        |
| PHIL    | 4713   | Survey of Social and Political Philosophy | (Slashlisted with 5713) Prerequisite: Eight hours of philosophy or permission. Survey of important theories in social and political philosophy. Beginning with ancient theories (Plato and Aristotle), to modern social contract theories and the foundations of liberalism (Hobbes, Locke, Rousseau, and Mill), and concludes with the debate between liberals and communitarians (Rawls and his critics). No student may earn credit for both 4713 and 5713. (Irreg.) |
| PHIL    | 4763   | Philosophy of Law                         | (Slashlisted with 5763) Prerequisite: eight hours of philosophy or permission. Survey of philosophical treatments of concepts and problems fundamental to the law, including (a) the origin, ground, status, justification and language of laws and systems of laws; (b) legal right and duties; and, (c) the nature and justification of legal sanctions. No student may earn credit for both 4763 and 5763. (Irreg.)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| PHIL    | 4893   | Senior Capstone in Philosophy                       | Prerequisite: graduating majors. Covering the major areas of philosophy taught in the undergraduate major, coordinated with the departmental objectives for undergraduate majors and for the purpose of assessing the level of learning among graduating seniors. (Sp) [V]  |
| PHIL    | 4900   | Special Topics                                      | 1 to 3 hours. Prerequisite: eight hours of philosophy. May be repeated with change of topic; maximum credit nine hours. Topics in philosophy not accommodated by the existing curriculum. (Irreg.)  |
| PHIL    | 4960   | Directed Readings                                   | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| PHIL    | 4970   | Special Topics/Seminar                              | 1 to 3 hours. Prerequisite: senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| PHIL    | 4990   | Independent Study                                   | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| PHIL    | 5023   | Survey of Analytic Aesthetics and Philosophy of Art | (Slashlisted with 4023) Prerequisite: graduate standing. Survey of major philosophical topics in aesthetics and the philosophy of art. Topics include the ontology of art, interpretation, the value of artworks, the relationship between aesthetic and moral value, and aesthetic experience in everyday life. No student may earn credit for both 4023 and 5023. (Irreg.)                        |
| PHIL    | 5143   | Symbolic Logic II                                   | Prerequisite: graduate standing. Further study of first order predicate logic: identity, axiomatic development. Various metatheorems; soundness, consistency and completeness. (Alt. Sp)  |
| PHIL    | 5293   | Ethical Theory                                      | (Slashlisted with 4293) Prerequisite: graduate standing. A survey of theories of the nature and foundations of morality. Topics may include the analysis of moral language, the justification of moral beliefs, and the status of ethical theories. No student may earn credit for both 4293 and 5293. (Sp)   |
| PHIL    | 5313   | Studies in Ancient Philosophy                       | Prerequisite: 3313. May be repeated with change of content; maximum credit 18 hours. Survey of philosophical writings of a major ancient Greek philosopher, typically Plato and Aristotle. Works covering different philosophical topics and written at different stages in the philosopher's development will be studied. Selection of figure will alternate each year the course is offered. (Sp) |
| PHIL    | 5333   | Studies in Modern Philosophy                        | May be repeated with change of content; maximum credit 18 hours. Survey of philosophical writings of major philosophers. Figures covered will alternate each year between the Rationalists (Descartes, Leibniz, and Spinoza) and the Empiricists (Locke, Berkeley, and Hume), though other combinations (e.g., Locke and Leibniz) may be offered. (F)   |
| PHIL    | 5343   | Early Chinese Philosophy                            | (Slashlisted with 4343, Crosslisted with IAS 5343) Prerequisite: eight hours of Philosophy or permission. Survey of pre-Qin Chinese philosophy, including the major texts and figures of Confucianism, Daoism, and other notable schools. No student may earn credit for both 4343 and 5343. (Irreg.)   |
| PHIL    | 5473   | Philosophy of Religion                              | (Slashlisted with 4473) Prerequisite: graduate standing. Survey of topics in the philosophy of religion. Topics covered include the concept of God, the problem of religious knowledge, the nature of religious language, the problem of evil, and particular thinkers. No student may earn credit for both 4473 and 5473. (Irreg.)   |



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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| PHIL    | 5513   | Metaphysics                               | (Slashlisted with 4513) Prerequisite: graduate standing. Survey of major philosophical views about the nature of reality. Topics covered may include the mind-body problem, causation, personal identity, free will and determinism, universals, and the existence of God. No student may earn credit for both 4513 and 5513. (Sp)  |
| PHIL    | 5523   | Epistemology                              | (Slashlisted with 4523) Prerequisite: graduate standing. Survey on the evaluation of human reasoning and the nature and scope of human knowledge. Topics include skepticism, the nature of justification, the ethics of belief, and the problem of induction. No student may earn credit for both 4523 and 5523. (F)  |
| PHIL    | 5533   | Philosophy of Language                    | (Slashlisted with 4533) Prerequisite: graduate standing. Survey of major philosophical views on the nature and workings of language. Topics covered include: meaning and truth, sense and reference, speech acts, and communication. No student may earn credit for both 4533 and 5533. (Irreg.)  |
| PHIL    | 5543   | Philosophy of Mind                        | (Slashlisted with 4543) Prerequisite: graduate standing. Survey of major philosophical views on the nature of the mind. Topics covered may include the nature and unity of consciousness, the mind-body problem, personal identity, the emotions, actions and intentions, self-knowledge, and other minds. No student may earn credit for both 4543 and 5543. (Irreg.)  |
| PHIL    | 5613   | Philosophy of Science                     | (Slashlisted with 4613) Prerequisite: graduate standing. Survey of main issues in the philosophy of science. Topics will include the structure of scientific theories, theory testing, and the rationale of scientific methodologies. The rationality of scientific belief and the moral constraints of scientific research may also be discussed. No student may earn credit for both 4613 and 5613. (Irreg.)  |
| PHIL    | 5623   | Philosophy of The Social Sciences         | (Slashlisted with 4623) Prerequisite: graduate standing. Survey of issues in the philosophy of the social sciences. Topics covered will include explanation in the social sciences, theory construction, theories and observation, evidence and theory of confirmation, theoretical constructs and operationism, verstehen and objectivity. No student may earn credit for both 4623 and 5623. (Irreg.)   |
| PHIL    | 5713   | Survey of Social and Political Philosophy | (Slashlisted with 4713) Prerequisite: Eight hours of philosophy or permission. Survey of important theories in social and political philosophy. Beginning with ancient theories (Plato and Aristotle), to modern social contract theories and the foundations of liberalism (Hobbes, Locke, Rousseau, and Mill), and concludes with the debate between liberals and communitarians (Rawls and his critics). No student may earn credit for both 4713 and 5713. (Irreg.) |
| PHIL    | 5763   | Philosophy of Law                         | (Slashlisted with 4763) Prerequisite: graduate standing. Survey of philosophical treatments of concepts and problems fundamental to the law, including (a) the origin, ground, status, justification and language of laws and systems of laws; (b) legal right and duties; and, (c) the nature and justification of legal sanctions. No student may earn credit for both 4763 and 5763. (Irreg.)  |
| PHIL    | 5833   | Gender, Values, and Education             | (Crosslisted with EDS 5833) Prerequisite: graduate standing or permission of instructor. May be repeated with change of topic; maximum credit six hours. Topics vary each semester, but are developed from philosophical studies in and about education, politics, ethics, aesthetics, law and religion that address the issues of gender and sexuality. Intensive oral and written theoretical inquiry. (Irreg.)   |
| PHIL    | 5960   | Directed Readings                         | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| PHIL    | 5970   | Special Topics/Seminar                    | 1 to 3 hours. Prerequisite: graduate standing. May be repeated with change of topic; maximum credit nine hours. Topics in philosophy not accommodated by the existing curriculum. (Irreg.)  |
| PHIL    | 5980   | Research for Master's Thesis              | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)  |

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| Subject | Number | Title                                       | Course Description  |
|---------|--------|---|---|
| PHIL    | 5990   | Independent Study                           | 1 to 3 hours. Prerequisite: permission of instructor and adviser. May be repeated with change of subject matter; maximum undergraduate credit eight hours; maximum graduate credit 12 hours. (F, Sp, Su)  |
| PHIL    | 5999   | Graduate Level Transfer Credit              | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| PHIL    | 6010   | Writing Educational Inquiry                 | (Crosslisted with EDS 6010) 1 to 3 hours. Prerequisite: graduate standing, enrollment in any graduate EDFN or philosophy course, and permission based on review of academic writing samples. May be repeated; maximum credit nine hours. Individual or group tutorial study of informal logic and rhetorical theory concerning academic writing as a social practice. Emphasis on contextually appropriate documentation practices, philosophical moves, and rhetorical devices; development of clarity and grace in written formulations of educational concepts and values. Address various scholarly and professional situations. Aimed toward public presentation or publication. (F, Sp) |
| PHIL    | 6023   | Seminar in Aesthetics and Philosophy of Art | Prerequisite: graduate standing. May be repeated with change of content; maximum credit 12 hours. Intensive seminar on a topic in aesthetics and the philosophy of art. (Irreg.)  |
| PHIL    | 6173   | Seminar in Logic                            | Prerequisite: 4133 or permission. May be repeated with change of subject matter; maximum credit 12 hours. (Irreg.)  |
| PHIL    | 6203   | Seminar in Ethics                           | May be repeated with change of subject matter; maximum credit 12 hours. (F, Sp)   |
| PHIL    | 6383   | Seminar in Chinese Philosophy               | Prerequisite; graduate standing. May be repeated with change of content; maximum credit 12 hours. Intensive seminar on a topic in Chinese philosophy. (Irreg.)  |
| PHIL    | 6393   | Seminar in the History of Philosophy        | May be repeated with change of subject matter; maximum credit 12 hours. (Irreg.)  |
| PHIL    | 6473   | Seminar In Philosophy Of Religion           | Seminar In Philosophy Of Religion. Prerequisite: 5473 Or Permission. May Be Repeated With Change Of Content; Maximum Credit 12 Hours. Intensive Seminar On A Topic In The Philosophy Of Religion. (Irreg.)  |
| PHIL    | 6513   | Seminar in Metaphysics                      | Prerequisite: 5513 or permission. May be repeated with change of content; maximum credit 12 hours. Intensive seminar on a topic in metaphysics. (Irreg.)  |
| PHIL    | 6523   | Seminar in Epistemology                     | Prerequisite: 5523 or permission. May be repeated with change of content; maximum credit 12 hours. Intensive seminar on a topic in epistemology. (Irreg.)   |
| PHIL    | 6533   | Seminar in Philosophy of Language           | Prerequisite: 5533 or permission. May be repeated with change of content; maximum credit 12 hours. Intensive seminar on a topic in the philosophy of language. (Irreg.)   |
| PHIL    | 6543   | Seminar in Philosophy of Mind               | Prerequisite: 5543 or permission. May be repeated with change of content; maximum credit 12 hours. Intensive seminar on a topic in the philosophy of mind. (Irreg.)   |
| PHIL    | 6593   | Seminar in Contemporary Philosophy          | May be repeated with change of subject matter; maximum credit 12 hours. (Irreg.)  |
| PHIL    | 6613   | Seminar in Philosophy of Science            | Prerequisite: 5613 or permission. May be repeated with change of content; maximum credit 12 hours. Intensive seminar on a topic in the philosophy of science. (Irreg.)  |
| PHIL    | 6763   | Seminar in Philosophy of Law                | Prerequisite: 5763 or permission. May be repeated with change of content; maximum credit 12 hours. Intensive seminar on a topic in the philosophy of law. (Irreg.)  |
| PHIL    | 6793   | Seminar in Social and Political Philosophy  | Prerequisite: 5763 or permission. May be repeated with change of content; maximum credit 12 hours. Intensive seminar on a topic in the philosophy of law. (Irreg.)  |
| PHIL    | 6960   | Directed Readings                           | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| PHIL    | 6970   | Special Topics/Seminar                      | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| PHIL    | 6980   | Research for Doctoral Dissertation          | Research for doctoral dissertation. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| PHIL    | 6990   | Independent Study                                | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| PHYS    | 1114   | General Physics for Non-Science Majors           | Prerequisite: high school algebra II. Not open to students who intend to do major work in mathematics or physical science. Not open to students with credit in 1205, 2414 or 2514. Concepts of force, energy, matter, atomic physics, electricity, light, presented as a part of a liberal education. (F, Sp, Su) [II-NL]   |
| PHYS    | 1205   | Introductory Physics I for Physics Majors        | Prerequisite: enrollment in Mathematics 1823 or 1914 or permission of instructor. To be taken by physics, astronomy and engineering physics majors during the first semester of their freshman year. Kinematics, dynamics, work and energy, many-particle systems, rigid body rotation, simple harmonic motion. Laboratory is an integral part of the course. Laboratory (F) [II-LAB]   |
| PHYS    | 1215   | Introductory Physics II for Physics Majors       | Prerequisite: 1205 or permission of instructor. Electricity and magnetism: static fields and forces, circuits, electromagnetic induction. Thermodynamics: the First and Second Laws, temperature, heat, work and entropy. Laboratory is an integral part of the course. Laboratory (Sp)   |
| PHYS    | 1311   | General Physics Lab I                            | Corequisite: 2414 or 2514. Experiments in basic law of mechanics and thermodynamics. (F, Sp, Su) [II-LAB]   |
| PHYS    | 1321   | General Physics Lab II                           | Corequisite: 2424 or 2524. Experiments in basic laws of electricity, magnetism, and optics. (F, Sp, Su) [II-LAB]  |
| PHYS    | 1453   | Musical Acoustics                                | An introduction to the science of sound and its propagation with special emphasis on the production of sound by musical instruments and the voice, psychological aspects of sound perception, and room acoustics. Topics are explored through lectures, demonstrations, and discussions. No previous musical experience or proficiency is required. Not for major credit. (F) [II-NL]   |
| PHYS    | 1999   | Lower Division Transfer Credit                   | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| PHYS    | 2203   | Introductory Physics III: Modern Physics         | Prerequisite: 1215 or 2524 (or concurrent enrollment), or permission of instructor. An introduction to and overview of key concepts in contemporary physics, with emphasis on the contrast between classical and modern ways of thinking about the physical universe. Includes an introduction to selected major subject areas, which might include light and optics, relativity, atoms and molecules, the solid state, nuclei, elementary particles, fundamental interactions, cosmology and/or chaos. Students will also explore selected topics in current physics research. (F) |
| PHYS    | 2303   | Electronics                                      | Prerequisite: 1215 or 2524 (or concurrent enrollment), or permission of instructor. An introduction to the characteristics of semiconductor electronic components and their use in the design and operation of practical analog and digital electronic circuits. The emphasis will be on gaining a working knowledge of basic circuits and preparation for understanding and building electronic circuits encountered by experimental research physicists. (F)  |
| PHYS    | 2414   | General Physics for Life Science Oriented Majors | Prerequisite: Mathematics 1523 or 1743. Not open to students with credit in 1205 or 2514. Kinematics and dynamics of particles and rigid bodies, gravitation, equilibrium, momentum, energy, static and flowing fluids, kinetic theory, heat and thermodynamics, vibrations, waves and sound. (F, Sp, Su) [II-NL]   |
| PHYS    | 2424   | General Physics for Life Science Oriented Majors | Prerequisite: 2414. Not open to students with credit in 1215 or 2524. Electric charge, electric field, electric potential, energy, DC and AC currents, magnetic fields, electromagnetic induction, geometrical optics, wave nature of light, optical instruments, early quantum theory, models of the atom, the nucleus, radioactivity, nuclear reactions and nuclear energy. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| PHYS    | 2514   | General Physics for Engineering and Science Majors | Prerequisite: Mathematics 1823 or Mathematics 1914 with grade of C or better. Not open to students with credit in 1205. Vectors, kinematics and dynamics of particles, work and energy systems of particles, rotational kinematics and dynamics, oscillations, gravitation, fluid mechanics, waves. (F, Sp, Su) [II-NL]   |
| PHYS    | 2524   | General Physics for Engineering and Science Majors | Prerequisite: PHYS 2514 and MATH 2423 or MATH 2924 with grade of C or better. Not open to students with credit in PHYS 1215. Temperature, heat, thermodynamics, electricity, magnetism, optics. (F, Sp, Su)   |
| PHYS    | 2970   | Selected Topics in Physics                         | 1 to 3 hours. Prerequisite: sophomore standing or permission of instructor. May be repeated; maximum credit six hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| PHYS    | 3043   | Physical Mechanics I                               | Prerequisite: 1205 or 2514, and Mathematics 3113 or 3413 (or concurrent enrollment); or permission of instructor. Differential equations based continuum mechanics: Newtonian particle mechanics, driven and damped oscillations, vibrations and waves, and their application to other linear systems, non-linear oscillations, introduction to Lagrange's equations. (Sp)  |
| PHYS    | 3053   | Physical Mechanics II                              | Prerequisite: 3043 or permission of instructor. Lagrangian and Hamiltonian dynamics. Non-inertial reference frames. Rigid body motion. Central forces and collisions. Special relativity. (F)   |
| PHYS    | 3183   | Electricity and Magnetism I                        | Prerequisite: 2203, Mathematics 3413 or concurrent enrollment; or permission of instructor. Electrostatics, dielectrics, continuity conditions, magnetic forces and fields, magnetic induction, magnetization, Maxwell's equations. (F)   |
| PHYS    | 3223   | Modern Physics for Engineers                       | Prerequisite: Mathematics 3113 or equivalent. Relativity, atomic structure, nuclear theory, wave mechanics, statistical physics, solid state physics. (F)   |
| PHYS    | 3302   | Advanced Lab I                                     | Prerequisite: 2303 or permission of instructor. Junior-level experiments in physics. (F, Sp)  |
| PHYS    | 3312   | Advanced Lab II                                    | Prerequisite: 3302 or permission of instructor. Junior-level experiments in physics. (F, Sp)  |
| PHYS    | 3440   | Mentored Research Experience                       | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| PHYS    | 3803   | Introduction to Quantum Mechanics I                | Prerequisite: PHYS 3043 and MATH 3413 or permission of instructor. Fundamental ideas of quantum physics. Postulates of quantum theory, wave functions, operators, the Schrodinger equation, one-dimensional systems. Mathematical tools of quantum mechanics. Theory of measurement. Stationary and nonstationary states. (Sp)  |
| PHYS    | 3960   | Honors Reading                                     | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor in keeping with the student's major program. Covers materials not usually presented in the regular courses. (F, Sp, Su)   |
| PHYS    | 3980   | Honors Research                                    | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| PHYS    | 3990   | Independent Study                                  | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| PHYS    | 3999   | Upper Division Transfer Credit                     | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                                       | Course Description   |
|---------|--------|---|--|
| PHYS    | 4153   | Statistical Physics and Thermodynamics      | Prerequisite: 3803. Statistical properties of physical systems. Entropy and temperature, the Boltzmann distribution, Fermi-Dirac and Bose-Einstein gases. Thermodynamic functions. Statistical interpretation of thermodynamics. (F)   |
| PHYS    | 4183   | Electricity and Magnetism II                | Prerequisite: 3183. Maxwell's equations, electromagnetic wave equations, propagation of electromagnetic waves, reflection and refraction, radiation. (Sp)  |
| PHYS    | 4213   | Nuclear and Particle Physics                | (Slashlisted with 5213) Prerequisite: 3803. Basic nuclear structure, nuclear models, radioactivity, nuclear reactions. Particle interactions and families, quark model, weak decays of quarks and leptons. No student may earn credit for both 4213 and 5213. (F)  |
| PHYS    | 4223   | Modern Optics                               | (Slashlisted with 5223) Prerequisite: junior standing. Geometric optics, physical optics, nonlinear optics, optical devices, interference, coherence theory, absorption and emission of light by matter and quantum optics. No student may earn credit for both 4223 and 5223. (Irreg.)  |
| PHYS    | 4243   | Solid State Physics                         | (Slashlisted with 5243) Prerequisite: 3803. Crystal structure, electrons in simple metals, electron band theory, semiconductors, superconductivity, phonons. No student may earn credit for both 4243 and 5243. (Sp)   |
| PHYS    | 4300   | Senior Research Project                     | 1 to 3 hours. Prerequisite: senior standing in major and permission of instructor. May be repeated once. Research project, experimental or theoretical, to be arranged with individual faculty, leading to a senior thesis. Group seminars to discuss projects and other topics of current interest in physics and astronomy. Total of four hours required for general education capstone. (F, Sp) [V] |
| PHYS    | 4803   | Introduction to Quantum Mechanics II        | Prerequisite: 3803 or permission of instructor. Quantum mechanics of three-dimensional systems. Angular momentum. Approximation methods: perturbation theory, variational methods. Time-dependent perturbations: transition rates, selection rules. Interaction of radiation with matter. Applications. Quantum mechanics of atoms and molecules. (F)  |
| PHYS    | 4813   | Atomic and Molecular Physics                | (Slashlisted with 5813) Prerequisite: 4803. Hydrogen atom: fine structure and external field effects. Many-electron atoms. Interaction with radiation. Molecular bonding. Spectroscopy of diatomic molecules. No student may earn credit for both 4813 and 5813. (Sp)  |
| PHYS    | 4960   | Directed Readings                           | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| PHYS    | 4970   | Seminar-Selected Topics in Physics          | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated with change of subject; maximum credit six hours. (Irreg.)   |
| PHYS    | 4990   | Independent Study                           | 1 to 3 hours. Prerequisite: three courses in general area to be studied, permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| PHYS    | 5001   | Introduction to Graduate Studies in Physics | Prerequisite: graduate standing. Introduction to research in general as well as specific research done within the department; familiarizes students with departmental procedures; improves their teaching of Physics; and conveys the expectations and demands of a career in Physics or Astronomy. (F)  |
| PHYS    | 5013   | Mathematical Methods in Physics             | Prerequisite: graduate standing. Orthogonal transformations and tensor analysis; partial differential equations and special functions: spherical harmonics, Bessel functions, SHO and hydrogen atom wave functions; theory of complex variables; integral definition of special functions. (F)   |
| PHYS    | 5153   | Classical Mechanics                         | Prerequisite: 3053 or equivalent. Hamilton's principle, Lagrange's equations, mechanics of particles and rigid bodies, Hamilton's equations, canonical transformations, Poisson brackets. (F)  |

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| Subject | Number | Title                                      | Course Description   |
|---------|--------|--|--|
| PHYS    | 5163   | Statistical Mechanics                      | Prerequisite: 4153 or equivalent. Ensembles and thermodynamics, fluctuations, monatomic crystals, ideal gases, phase equilibrium, chemical equilibrium in ideal gas mixtures, ideal gas in an electric field, Bose-Einstein and Fermi-Dirac statistics, blackbody radiation, electrons in metals. (Sp)   |
| PHYS    | 5213   | Nuclear and Particle Physics               | (Slashlisted with 4213) Prerequisite: 4803; graduate standing. Basic nuclear structure, nuclear models, radioactivity, nuclear reactions. Particle interactions and families, quark model, weak decays of quarks and leptons. No student may earn credit for both 4213 and 5213. (F)   |
| PHYS    | 5223   | Modern Optics                              | (Slashlisted with 4223) Prerequisite: junior standing. Geometric optics, physical optics, nonlinear optics, optical devices, interference, coherence theory, absorption and emission of light by matter and quantum optics. No student may earn credit for both 4223 and 5223. (Irreg.)  |
| PHYS    | 5243   | Solid State Physics                        | (Slashlisted with 4243) Prerequisite: 4803; graduate standing. Crystal structure, electrons in simple metals, electron band theory, semiconductors, superconductivity, phonons. No student may earn credit for both 4243 and 5243. (Sp)  |
| PHYS    | 5393   | Quantum Mechanics I                        | Prerequisite: 4803 or equivalent. Topics in nonrelativistic quantum mechanics including the Heisenberg and Schroedinger pictures, Dirac formalism, angular momentum, bound states of spherically symmetric potentials, time independent perturbation theory; potential scattering. (Sp)  |
| PHYS    | 5403   | Quantum Mechanics II                       | Prerequisite: 5393. Time-dependent perturbation theory, electromagnetic interactions, spin and angular momentum coupling, symmetry and statistics, density matrix, multiparticle systems. (F)  |
| PHYS    | 5573   | Electrodynamics I                          | Prerequisite: 4183 or equivalent. Topics covered include special relativity; 3+1 and 4-dimensional Maxwell theory; charged particle and electromagnetic field Lagrangians; conservation of energy, momentum and angular momentum; delta function sources and Green's function for Maxwell's theory. (F)  |
| PHYS    | 5583   | Electrodynamics II                         | Prerequisite: 5573. Topics include: applications of advanced and retarded Green's functions to time-dependent electric and magnetic dipoles, and acceleration point charges; synchrotron radiation; Bremsstrahlung; radiation damping and classical renormalization. (Sp)  |
| PHYS    | 5813   | Quantum Mechanics of Atoms                 | (Slashlisted with 4813) Prerequisite: 4803; graduate standing. Hydrogen atom: fine structure and external field effects. Many-electron atoms. Interaction with radiation. Molecular bonding. Spectroscopy of diatomic molecules. No student may earn credit for both 4813 and 5813. (Sp)   |
| PHYS    | 5910   | Problems in Natural Science                | 1 to 2 hours. Prerequisite: admission to candidacy for degree of Master of Natural Science. (F, Sp, Su)  |
| PHYS    | 5960   | Directed Readings                          | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |
| PHYS    | 5970   | Seminar--Selected Topics in Modern Physics | 1 to 3 hours. Prerequisite: permission. May be repeated with change of subject matter; maximum credit for master's degree six hours, for doctor's degree 12 hours. (F, Sp, Su)   |
| PHYS    | 5980   | Research for Master's Thesis               | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| PHYS    | 5990   | Special Studies                            | Prerequisite: 12 hours of physics, permission. May be repeated with change of subject matter; maximum credit for a master's degree four hours, for a doctor's degree ten hours. (F, Sp, Su)  |
| PHYS    | 5999   | Graduate Level Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| PHYS    | 6213   | Advanced Particle Physics                  | Prerequisite: 5213, 5403 or equivalents. The theory and phenomenology of the "standard model" of particle physics which encompasses the electro-weak and strong interactions. Topics will include: symmetries, groups and conservation laws; bound states, quarkonium; Feynman diagrams, QED; QCD; weak interactions; gauge theories. (Irreg.) |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| PHYS    | 6243   | Advanced Solid State Physics                       | Prerequisite: 4243, 5403, or equivalents. The physics of metals, semiconductors and insulators. Free electron theory, crystal structure and phonons, electron band theory, semiclassical model, applications to electronic and optical properties of solids, effects of magnetic fields. (Irreg.)   |
| PHYS    | 6283   | Advanced Atomic/Molecular Physics                  | Prerequisite: 5403, 5813, or equivalents. Calculation and evaluation of electronic wave functions for atoms and molecules via Hartree-Fock and configuration interaction methods; the Born-Oppenheimer approximation and ro-vibrational wave functions; molecular quantum states and group theory; fine and hyperfine structure. (Irreg.) |
| PHYS    | 6333   | General Relativity                                 | Prerequisite: 5013, 5583. The mathematical and physical basis for the relativistic theory of gravitation; the principle of equivalence; tensor analysis; Einstein's field equations; tests of general relativity; gravitational collapse; cosmology; toward a quantum theory of gravity. (Irreg.)   |
| PHYS    | 6433   | Quantum Field Theory                               | Prerequisite: 5403. Canonical quantization of scalar and spinor fields; perturbation theory and Feynman diagrams; renormalization; path integral formulation; renormalization group; gauge fields with selected applications to QED, electro-weak theory and QCD. (Irreg.)  |
| PHYS    | 6443   | Advanced Quantum Field Theory                      | Prerequisite: graduate standing and 6433. Path integral quantization; renormalization; renormalization group equations; gauge theories of strong and electroweak interactions. (F)  |
| PHYS    | 6810   | Seminar on Atomic And Molecular Collision Dynamics | 1 to 3 hours. Prerequisite: permission. May be repeated with change of subject matter; maximum credit nine hours. A research seminar devoted to the study of specialized topics in atomic and molecular collisions. Topics selected will reflect the interests of instructor and students. (Irreg.)                                       |
| PHYS    | 6821   | Seminar on Chemical Physics                        | Prerequisite: permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. A research seminar devoted to the study of specialized topics in chemical physics. Topics selected will reflect the interests of instructor and students. (Irreg.)  |
| PHYS    | 6831   | Seminar on Applied Physics                         | Prerequisite: permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. A research seminar devoted to the study of specialized topics in applied physics. Topics selected will reflect the interests of instructor and students. (Irreg.)   |
| PHYS    | 6841   | Seminar on Nuclear and Particle Physics            | Prerequisite: permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. A research seminar devoted to the study of specialized topics in nuclear and/or particle physics. Topics selected will reflect the interests of instructor and students. (Irreg.)                                       |
| PHYS    | 6851   | Seminar on Solid State Physics                     | Prerequisite: permission of instructor. May be repeated with change of subject matter; maximum credit nine hours. A research seminar devoted to the study of specialized topics in solid state physics. Topics selected will reflect the interests of instructor and students. (Irreg.)   |
| PHYS    | 6860   | Advanced Topics in Mathematical Methods in Physics | 1 to 3 hours. Prerequisite: 5013 or permission. May be repeated with change of content; maximum credit nine hours. Topics covered will be selected by instructor and announced prior to the term in which it will be offered. The course is intended to offer material currently used in theoretical physics. (Irreg.)                    |
| PHYS    | 6960   | Directed Readings                                  | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| PHYS    | 6970   | Special Topics/Seminar                             | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| PHYS    | 6980   | Research for Doctoral Dissertation                 | Research For Doctoral Dissertation. (F, Sp, Su)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| PHYS    | 6990   | Independent Study                                     | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| PIAN    | 1999   | Lower Division Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| PIAN    | 2000   | Freshman and/or Sophomore Secondary Piano             | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| PIAN    | 2020   | Piano for Music Majors: Freshman/Sophomore            | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 8 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)   |
| PIAN    | 3440   | Mentored Research Experience                          | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| PIAN    | 3999   | Upper Division Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| PIAN    | 4000   | Junior and/or Senior Secondary Piano                  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| PIAN    | 4020   | Piano for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: majors only; junior standing. May be repeated; maximum credit 14 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| PIAN    | 5000   | Master's-Level Secondary Piano                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| PIAN    | 5010   | Master's-Level Piano for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| PIAN    | 5020   | Master's-Level Piano for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| PIAN    | 5999   | Graduate Level Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| PIAN    | 6000   | Doctoral Secondary Piano                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| PIAN    | 6010   | Doctoral Piano for Non-Performance Music Majors       | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |



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| Subject | Number | Title                                 | Course Description  |
|---------|--------|---------------------------------------|---|
| PIAN    | 6020   | Doctoral Piano for Performance Majors | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| PORT    | 1115   | Beginning Portuguese                  | Develop the skills necessary to grasp fundamental principles of Portuguese and Luso-Brazilian culture, and to acquire basic proficiency in the four skills of language learning: listening, speaking, reading and writing. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F, Sp) [I-FL]   |
| PORT    | 1225   | Beginning Portuguese Continued        | Prerequisite: 1115. Give continuity to the skills acquired during the first semester of Portuguese in order to become more fluent in the spoken language as well as more proficient in writing. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F, Sp) [I-FL]  |
| PORT    | 1999   | Lower Division Transfer Credit        | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| PORT    | 2113   | Intermediate Portuguese               | Prerequisite: 1225. Develops reading skills and control of grammar while cultivating depth of oral and writing ability. Emphasis on expansion of vocabulary and strong reinforcement of grammatical structures. Reading and discussion of texts of literary and cultural interest. Oral and written assignments. (F, Sp)  |
| PORT    | 2223   | Intermediate Portuguese (Continued)   | Prerequisite: 2113. Refines reading skills and mastery of grammar. Emphasis on sophisticated vocabulary and understanding of grammatical structures. Literary and cultural texts discussed in oral and essay form. (F, Sp)  |
| PORT    | 2970   | Special Topics/Seminar                | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.   |
| PORT    | 3113   | Advanced Portuguese                   | Prerequisite: 2223. Develops further reading skills and control of grammar, cultivates speaking and writing ability, and exposes students to a wide range of topics covered daily by Brazilian newspapers and magazines. (F)  |
| PORT    | 3223   | Advanced Portuguese Continued         | Prerequisite: 3113. Continuation of 3113. Develops further reading skills and control of grammar while cultivating depth of oral and writing ability. Exposes the student to a wide range of topics covered daily by Brazilian newspapers and magazines. (Sp)   |
| PORT    | 3440   | Mentored Research Experience          | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| PORT    | 3960   | Honors Reading                        | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| PORT    | 3970   | Honors Seminar                        | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| PORT    | 3980   | Honors Research                       | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| PORT    | 3990   | Independent Study                     | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)  |
| PORT    | 3999   | Upper Division Transfer Credit        | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title                             | Course Description   |
|---------|--------|-----------------------------------|--|
| PORT    | 4960   | Directed Readings                 | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| PORT    | 4970   | Special Topics/Seminar            | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| PORT    | 4990   | Independent Study                 | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. (F, Sp)   |
| PORT    | 5999   | Graduate Level Transfer Credit    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| PSY     | 1113   | Elements of Psychology            | A survey of the scientific study of human behavior. Emphasis is placed upon scientific method, basic life processes, mechanisms of adaption, individual differences and group behavior. Students have the opportunity to be exposed to the research process either by serving as participants in research experiments or by conducting reviews of research topics. (F, Sp, Su) [III-SS]  |
| PSY     | 1999   | Lower Division Transfer Credit    | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| PSY     | 2003   | Understanding Statistics          | Cannot be substituted for 2113. Prerequisite: Math 0123 or satisfactory score on math placement test. An introductory applied statistics course which will focus on descriptive and inferential statistical methods. Emphasis will be placed on in-class activities and homework which help the student learn by experience. Topics include measures of central tendency and variability, z-scores, normal distribution, correlation, regression, sampling distributions, hypotheses testing, t-tests and chi-square tests. Laboratory (F, Sp, Su) [I-M] |
| PSY     | 2113   | Research Methods I: Statistics    | Prerequisite: 1113 and satisfactory score on the math placement test (equivalent to completion of Math 0123). An introduction to scientific method in psychological research. Topics include: philosophical issues; hypothesis formulation; experimental design; and data collection, organization and interpretation. Laboratory (F, Sp, Su)  |
| PSY     | 2403   | Introduction to Personality       | Prerequisite: PSY 1113 or permission of instructor. Introduces the classic theoretical perspectives in personality psychology and establishes a solid foundation for understanding personality dynamics. The emphasis is on personality theories representing (but not limited to) the psychodynamic, trait, cognitive, behavioral, and humanistic perspectives. (F, Sp, Su)   |
| PSY     | 2503   | Computing for Behavioral Sciences | Students will learn to identify the parts and functions of personal computers. Building on that basic knowledge, such topics as developing and publishing a web page, collecting data from participants through the web, and using the advanced features of Excel for statistical analysis will be covered. Programming languages will include HTML and JavaScript. (F, Sp, Su)  |
| PSY     | 2513   | Psychology of Personal Adjustment | Prerequisite: PSY 1113 or permission of instructor. An applied personality course that considers the role of personality and the influence of one's environment on adjustment. Emphasis is on science and application, with research topics including (but not limited to) happiness, stress, coping, communication, work, and relationships. Factors related to personal growth are examined theoretically and applied to real-life problems. (Irreg.)  |
| PSY     | 2603   | Lifespan Development              | Prerequisite: PSY 1113. Survey of the psychological changes across the life span; the changes in cognitive, social, emotional, and physiological development from conception to death will be included. (F, Sp, Su)  |
| PSY     | 2910   | Special Topics in Psychology      | 1 to 3 hours. Prerequisite: 1113 or permission. May be repeated once with change of topic; maximum credit six hours. Special topics in psychology requiring a minimal background in psychology. Topics typically will be of an applied nature. (F, Sp, Su)   |

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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| PSY     | 2970   | Special Topics  | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.  |
| PSY     | 3083   | Animal Behavior   | (Crosslisted with ZOO 3083) Prerequisite: Zoology 2013 or permission of instructor. Animal behavior from an evolutionary perspective. The effects of natural selections on mechanisms underlying behavior and on diversity of behavior among and within species. (F, Sp)   |
| PSY     | 3114   | Research Methods II: Applications and Experimental Design | Prerequisite: PSY 1113; PSY 2003 or PSY 2113. Examines how new discoveries are made in psychology through the scientific method. Primary goal is to prepare students to conduct an independent research project to address a theoretical question, analyze and interpret the data, and present the data to others in both written and oral form. Laboratory. (F, Sp, Su)   |
| PSY     | 3203   | Cognitive Psychology                                      | Prerequisite: PSY 1113. Surveys how people extract relevant information from their environment and store, retrieve and utilize such information at a later time. Topics will include memory storage and retrieval, attention, imagery, mnemonic devices and other cognitive processes. (F, Sp, Su)   |
| PSY     | 3440   | Mentored Research Experience                              | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)                                    |
| PSY     | 3613   | Dev Psych: Infancy-Adolescence                            | Prerequisites: PSY 1113 and PSY 2113 or permission of instructor. Provides an introduction to themes, theories, and scientific research on cognitive, social, and emotional development from infancy through adolescence. The goal is to explore fundamental psychological questions of how we become who we are, what factors cause children's development of behavior and mind, and what leads to the diversity of developmental outcomes. No student may earn credit for both PSY 2603 and PSY 3613. (Irreg.) |
| PSY     | 3703   | Social Psychology   | Prerequisite: PSY 1113; PSY 2003 or PSY 2113. The science of how people think and feel about, relate to, and influence one another. Topics include classic and contemporary research on stereotypes, persuasion, attitude change, emotions, the self-concept, aggression, impression formation, and altruism, among others. (F, Sp, Su)  |
| PSY     | 3753   | Introduction to Industrial Organizational Psychology      | Prerequisite: PSY 1113 and PSY 2003 or PSY 2113 or permission of instructor. Industrial Organizational psychology covers psychological theories and their practical applications to the workplace. The course covers issues of critical relevance to the well-being of individuals and organizational performance. Topics include, but are not limited to, motivation, selection, training, assessment, performance management, satisfaction, teams, and leadership. (F, Sp, Su)                                 |
| PSY     | 3803   | Physiological Psychology                                  | Prerequisite: PSY 1113 or equivalent and BIOL 1114 or equivalent. Provides an introduction to physiological and neurological foundations of behavior. Some emphasis will be placed on contemporary issues and theoretical models. (F, Sp)  |
| PSY     | 3960   | Honors Reading  | 1 to 3 hours. Prerequisite: admission to Honors Program, 2113. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| PSY     | 3980   | Honors Research   | 1 to 3 hours. Prerequisite: admission to Honors Program, 2113. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| PSY     | 3990   | Independent Study   | 1 to 3 hours. Prerequisite: one course in general area to be studied, 2113 or permission of instructor. May be repeated; maximum credit, six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| PSY     | 3999   | Upper Division Transfer Credit                | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| PSY     | 4023   | Psychological Test and Measurements           | Prerequisite: 1113, 2113, junior standing. An introduction to the measurement of human behavior. Special reference is given to tests of intelligence, achievement, personality and interest. (Irreg.)   |
| PSY     | 4113   | Capstone Survey of Major Fields in Psychology | Prerequisite: PSY 3114 or permission of instructor, senior standing. Lecture-based course focusing on major areas of psychology. Attempts to instill in the student an understanding of the integration and diversity of the field of psychology. Content and title vary with instructor. (F, Sp) [V]   |
| PSY     | 4143   | Capstone Practicum Experience                 | Prerequisite: 2403, 3114, 4453, senior standing and permission of instructor. Provides students with the experience of working in an arena involving the practice of psychology. Student is to develop a written description of the experience and the psychological principles applied. (F, Sp) [V]  |
| PSY     | 4243   | Decision Making and Problem Solving           | Prerequisite: PSY 2003 or PSY 2113, and PSY 3203. Review of issues in inductive thinking, deductive reasoning, inference generation, problem solving, insight, expertise, algorithms, and heuristics. The emphasis will be on current research investigations. (Irreg.)   |
| PSY     | 4253   | Selected Topics in Cognitive Science          | Prerequisite: PSY 1113, PSY 2113, PSY 3114; PSY 3203 or permission of instructor. May be repeated with change of content; maximum credit six hours. Seminar focusing on specific issues in cognitive science. Topics include memory representation and retrieval, symbol and referent processing, knowledge structure, expert and novice differences, imagery, etc. (Irreg.)  |
| PSY     | 4263   | Psychology and Law                            | Prerequisite: 3114. Examines some of the most important points of contact between the fields of psychology and the law, including eyewitness identification, the prison system, juries, and confessions and interrogations. (Irreg.)  |
| PSY     | 4313   | Motivation                                    | Prerequisite: PSY 2003 or PSY 2113. Primary motivational states and learned motivational states (e.g., fear, frustration, anxiety, etc.) will be considered as well as emotion and curiosity. Topics of current interest in both human and animal motivation will also be covered. (Irreg.)   |
| PSY     | 4403   | Advanced Personality                          | Prerequisite: PSY 1113, PSY 2403, and junior standing or permission of instructor. Advanced personality course focusing on modern and current theoretical and empirical research. Introduces the research methods personality psychologists use to make substantive contributions to the scientific understanding of human thoughts, feelings, and behaviors. Topics include (but are not limited to) field dependence, autonomy, sex/gender, subjective well-being, dominance, leadership, sensation-seeking, risk-taking, pain tolerance, sensation reducing/augmenting, and locus of control. (Irreg.) |
| PSY     | 4453   | Abnormal Psychology                           | Prerequisite: 1113, 2113, and 2403, or permission of instructor. An examination of the major clinical and research findings in the field of abnormal psychology. Topics include studies of conflict, anxiety, neurosis, character disorders, schizophrenia and psychotherapy. (F, Sp)   |
| PSY     | 4510   | Applications of Psychology Practicum          | 1 to 3 hours. Prerequisite: 2113, 12 hours of psychology, permission of instructor. May be repeated, undergraduates limited to two enrollments. Individualized field experiences in an area of interest in psychology. (F, Sp)  |
| PSY     | 4613   | Current Topics in Developmental Psychology    | Prerequisite: PSY 2603 or PSY 3613, PSY 2113 or permission of instructor. May be repeated with change of subject matter; maximum credit six hours. An advanced seminar dealing with contemporary issues in developmental psychology. Content will vary with the instructor. (Irreg.)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| PSY     | 4703   | Psychology of Leadership                       | Prerequisite: senior standing or permission of instructor. Provide students with an understanding of the psychological principles underlying leadership in government, industry, and society. Review psychological research on leadership and management, examining topics such as leadership skills, leading changes in organization, leader-follower relationships, and leadership tactics. Students will participate in various exercises to analyze leadership strategies and assess their potential strengths and weaknesses as leaders. (Sp) |
| PSY     | 4733   | Selected Topics in Social Psychology           | Prerequisite: junior standing or permission of instructor. May be repeated once with change of topic; maximum credit six hours. Content varies with the instructor. Deals with central topical areas of study in social psychology (i.e., attitudes and social cognition; person perception; groups and group dynamics; or theory construction). (Irreg.)  |
| PSY     | 4793   | Psychology of Groups                           | Prerequisite: 1113. Provides students with an understanding of the psychological principles underlying group behavior. Topics covered will include group formation and development, cohesion and norms, social influence, power, inter-group relations, stereotyping and prejudice, group decision making, diversity within groups, stigma in the workplace, social identity, leadership in groups, group performance, and staffing organizational groups. (Irreg.)  |
| PSY     | 4910   | Instructional Aides                            | 1 to 3 hours. Prerequisite: 1113, 2113, and junior standing (or honors students). May be repeated once. Enrollment limited to majors with grade point averages of at least 3.00 and acceptance of an application, or by invitation by faculty member. Designed for students contemplating graduate school to offer experience in all aspects of instruction. Individual assignments of special instructional tasks in psychology. Supervised instructional experience will be part of each enrollment. (F, Sp, Su)                                 |
| PSY     | 4913   | Bachelor Of Science Thesis                     | Prerequisite: 2113, 3114, admission to B.S. program in psychology and permission of B.S. adviser. B.S. candidates are required to generate an independent research project, under the direct supervision of their specific faculty sponsor and overseen by the B.S. adviser. This course will be used for this function and only this function. (F, Sp, Su)  |
| PSY     | 4920   | Current Topics in Basic and Applied Psychology | 1 to 3 hours. Prerequisite: 1113 and 2113, or 1113 and six hours of other social sciences; or permission of instructor. May be repeated with change of topic; maximum credit nine hours. Content and number of credit hours varies with instructor and section. Focus on current topics in psychology not covered in existing course offerings. Intended for purpose of offering high interest course topics during regular semester, summers and intersession. (F, Sp, Su)  |
| PSY     | 4940   | Seminar in Psychology                          | 1 to 3 hours. Prerequisite: 1113, 2113, junior standing, permission. May be repeated once with change of topic; maximum credit six hours. Advanced seminar dealing with contemporary issues and problems in psychology. Content varies with instructor. (F, Sp, Su)  |
| PSY     | 4960   | Directed Readings                              | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| PSY     | 4970   | Special Topics                                 | Special Topics. 1 to 3 hours. Prerequisite: Junior standing or permission of instructor. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)  |
| PSY     | 4990   | Independent Study                              | 1 to 3 hours. Prerequisite: 2113, three courses in general area to be studied, 3114, and permission of instructor. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| PSY     | 5003   | Psychological Statistics I                     | Prerequisite: graduate standing and undergraduate statistics course, or permission of instructor. Applied statistics with emphasis upon statistical problems in behavioral sciences research. Includes probability, descriptive statistics, estimations and test of hypotheses. Techniques covered in depth include t-test, one and two factor ANOVA methods, multiple comparison methods (e.g., Scheff, Tukey, Ryan, etc.), and the robustness of these techniques to violation of their assumptions.   |
| PSY     | 5013   | Psychological Statistics II                    | Prerequisite: 5003 or equivalent, or permission of instructor. The general linear model is covered as it applies to the analysis of variance including fixed, mixed, and random models, individual comparisons, analysis of covariance, and multiple regression. Also, some nonparametric techniques are discussed including chi-square and distribution free procedures.  |
| PSY     | 5103   | Physiological Psychology                       | Prerequisite: graduate standing or permission. Surveys the neuroanatomical, hormonal and neurochemical bases of food and water intake, sleep and dreaming, emotion, reward and punishment, learning and memory, mental disorders. (Irreg.)   |
| PSY     | 5203   | Survey in Cognitive Psychology                 | Prerequisite: graduate standing or permission. Survey of the field of cognitive psychology designed to provide a foundation for the study of human higher mental processes. Topics include: pattern recognition, attention, episodic memory, semantic memory, psycholinguistics, comprehension, reasoning, decision making and problem solving.  |
| PSY     | 5280   | Seminar in Cognitive Processes                 | 1 to 4 hours. Prerequisite: 5203 or permission of instructor. May be repeated with change of subject matter; maximum credit six hours. Considers special topics in cognitive psychology emphasizing recent research literature.  |
| PSY     | 5403   | Survey in Developmental Psychology             | Prerequisite: graduate standing in the department or permission of instructor. Survey of classic and contemporary research in developmental psychology. (Irreg.)   |
| PSY     | 5423   | Current Theories in Social Psychology          | Prerequisite: graduate standing and permission of instructor. An overview of current theory and research in social psychology, including such topics as motivated cognition, automatic and controlled processing, stereotyping, impression formation, attributions, the self-concept and self-regulation, relationships, emotions, attitudes, altruism, and aggression. (Irreg.)   |
| PSY     | 5433   | Classic Issues in Social Psychology            | Prerequisite: Graduate standing and permission of instructor. An overview of classic theories and studies from the first 100 years of social psychology. Topics include attitudes and persuasion, group processes, attraction, social influence, conformity, helping, aggression, dissonance, emotions, and attribution. (Irreg.)  |
| PSY     | 5703   | Survey of Industrial/Organizational Psychology | Prerequisite: graduate standing. An overview of the theory and practices used in industrial/organizational psychology. Focus on the general principles involved in applying psychological theory in the work place, considering applications at the individual, group, and organizational level. Also considers the major methodological techniques used to support those applications. (F)  |
| PSY     | 5713   | Training and Development                       | Prerequisite: 5703. Design and development of training courses as well as practical considerations in the delivery of training in organizational settings. (Sp)  |
| PSY     | 5723   | Selection and Assessment in Organizations      | Prerequisite: 5703. Covers a variety of substantive topics including; the choice and design of personnel selection tools, validation of employment tests, legal issues regarding personnel assessment and selection, assessment of intelligence, experience, personality and integrity, the use of common assessment methods such as situational judgment tests, interviews, biodata, and assessment centers, frame-of-reference training, theoretical and empirical literature regarding assessment center technology, and development and administration of an assessment center. (Irreg.) |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| PSY     | 5733   | Techniques in Industrial and Organizational Psychology      | Prerequisite: 5703. Provides an overview of how to develop and apply several methodologies and techniques that I/O psychologists commonly use to address organizational needs. During this course we will explore topics such as basic consulting skills, job analysis, individual assessment and selection, biodata, performance appraisal, and organizational surveys. Some basic familiarity with these areas is assumed. This class focuses on how to develop and implement these types of applications in organizational settings. (Irreg.) |
| PSY     | 5783   | General Seminar in Industrial and Organizational Psychology | Prerequisite: 5703. May be repeated with change of content; maximum credit nine hours. Examine in-depth one or more topics that provide a basis for current work in industrial and organizational psychology. May include topics such as leadership, motivation, performance management, job satisfaction, and individual differences. (F)   |
| PSY     | 5901   | Foundations of Psychological Science I                      | Prerequisite: admission to graduate psychology program. Overview of current research in psychological science. Discussion of ethics, professional development, the pedagogical arts, methodology and grantsmanship. Participants complete a first year research project including a grant proposal, presentation at a professional meeting and presentation at departmental speaker series.  |
| PSY     | 5911   | Foundations of Psychological Science II                     | Prerequisite: 5901. Continuation of 5901. Advanced topics in professional development, research planning, funding and communication.   |
| PSY     | 5960   | Directed Readings in Psychology                             | 1 to 4 hours. Prerequisite: graduate standing, permission of instructor, adviser and dean. Maximum credit nine hours. Supervised reading of selected topics in psychology by agreement of instructor and student. (F, Sp, Su)  |
| PSY     | 5970   | Pre-Master's Research in Psychology                         | Prerequisite: graduate standing; pre-master's status; permission of instructor. May be repeated; maximum credit nine hours. Supervised research in area agreed upon by student and instructor. Students conducting research for the master's thesis should enroll in 5980. (F, Sp, Su)   |
| PSY     | 5980   | Research for Master's Thesis                                | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| PSY     | 5990   | Independent Study   | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| PSY     | 5999   | Graduate Level Transfer Credit                              | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| PSY     | 6013   | Factor Analysis and Structural Equation Models              | Prerequisite: 5003, 5013 or equivalent. Several exploratory factor analysis models are discussed including principle factors, maximum likelihood, and alpha-factors analysis. Factor-analytic-like models such as components analysis and image analysis are also covered. Offers an overview of the application of structural equations in the social sciences. (Irreg.)  |
| PSY     | 6023   | Statistical Models of Tests Scores                          | Prerequisite: 5003, 5013 or equivalent. Topics include classical test theory, item-sampling theories, latent ability test theory, item analysis and test validation. (Irreg.)  |
| PSY     | 6063   | Seminar in Quantitative Psychology                          | Prerequisite: 5013 or permission of instructor. May be repeated with change of topic; maximum credit 15 hours. The topic or topics to be covered depend upon the faculty member or members in charge of the seminar at the time it is offered.   |
| PSY     | 6073   | Experimental Design for Psychology                          | Prerequisite: 5003, 5013, or permission of instructor. Classical experimental design applied to research problems in the behavioral sciences; completely randomized, randomized blocks, factorial, Latin square, fractional factorial and repeated measures designs, confounding, and related topics are discussed. (F)  |
| PSY     | 6133   | Seminar in Biopsychology                                    | Prerequisite: 5103, 6103, 6163 or permission. May be repeated with change of topic; maximum credit nine hours. Special topic areas in biopsychology will be considered in detail. (Irreg.)   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| PSY     | 6213   | Attention and Memory   | Prerequisite: 5203 or permission. Detailed examination of current data and theory in attentional and automatic processes, short- and long-term memory, implicit memory, and the effect of knowledge on memory.  |
| PSY     | 6223   | Quantitative Models in Cognition                             | Prerequisite: 5203 or permission. Survey of quantitative models in cognition, with an emphasis on memory and reaction time. Techniques for model testing and development will be taught and supported by exercises.   |
| PSY     | 6280   | Advanced Seminar in Cognitive Processes                      | 1 to 4 hours. Prerequisite: 5203 or permission. May be repeated with change of subject matter; maximum credit 12 hours. Special topics in human learning and memory or in memory and cognitive processes will be considered in detail, emphasizing recent research literature and development of research proposals. (Irreg.)   |
| PSY     | 6413   | Stereotyping and Prejudice                                   | Prerequisite: Graduate standing and permission of instructor. Classic and contemporary approaches in social psychology to the nature of prejudice and its motivational substrates, as well as the formation, content, use, and consequences of stereotypes. (Irreg.)  |
| PSY     | 6423   | Seminar in Social Psychology                                 | Prerequisite: graduate standing and permission of instructor. May be repeated with change of topic; maximum credit nine hours. Intensive study of major problem areas in social psychology, including intrapersonal processes, group dynamics, the self, and research methods. Course topic will vary. (Irreg.)   |
| PSY     | 6433   | Seminar in Theories of Personality                           | Prerequisite: graduate standing in Psychology or permission of instructor. May be repeated with change of topic; maximum credit 12 hours. Intensive exploration of both traditional and modern theories of personality. Examples from several major categories of personality theory are examined through intensive primary readings, writing, and discussion. (Irreg.)   |
| PSY     | 6453   | Seminar in Interpersonal Relationships                       | Prerequisite: Graduate standing and permission of instructor. Covers classic and contemporary theories and findings in the social psychological literature on interpersonal relationships, with a focus on the biological, motivations, social and personality factors that contribute to attraction, closeness, satisfaction, and stability in dyadic relationships. (Irreg.)  |
| PSY     | 6643   | Seminar in Developmental Psychology                          | Prerequisite: graduate standing or permission of instructor. May be repeated with change of topic; maximum credit 12 hours. Involves in-depth study of theory and research in major areas of developmental psychology, e.g., social cognition, peer relations, emotions, temperament and personality, morality, aggression, theory of mind. (Irreg.)  |
| PSY     | 6703   | Advanced Seminar in Industrial and Organizational Psychology | Prerequisite: 5703. May be repeated with change of content; maximum credit nine hours. Focus in-depth on one or more topics examining the area with respect to new theoretical developments and major research findings. Topics may include active, emergent research areas likely to lead to changes in theoretical and professional practice including motivation, team effectiveness, work and family issues, changes in job design, etc. (Sp) |
| PSY     | 6713   | Leadership Theories, Research, and Practice                  | Prerequisite: 5703. This graduate seminar examines the theoretical and empirical research as well as case studies on a variety of topics in the field of leadership, leadership dyads, outstanding forms of leadership (transformational, charismatic, pragmatic), politics, leading innovation and change, assessing leadership effectiveness, gender and leadership, and cross-cultural leadership. (Irreg.)                                    |
| PSY     | 6903   | Seminar in Contemporary Problems                             | Prerequisite: five graduate courses including 5003 or permission of instructor. May be repeated with change of topic; maximum credit eighteen hours. Content dependent upon faculty member in charge of the seminar at the time it is offered. Intensive consideration of major contemporary issues in psychology. (F, Sp, Su)  |
| PSY     | 6910   | Readings in Psychology                                       | 1 to 4 hours. Prerequisite: advanced graduate standing (post-master's). May be repeated; maximum graduate credit nine hours. Supervised reading for advanced students. Topics chosen by agreement of instructor and student.  |
| PSY     | 6920   | Research in Learning, Motivation and Comparative Psychology  | 1 to 6 hours. Prerequisite: by permission of instructor only. May be repeated; maximum graduate credit 18 hours. Supervised individual laboratory research on major projects in an area of mutual interest with a faculty member. Upon advice of the instructor involved, enrollment for work on minor research projects in the above areas may alternatively be in 4990. (F, Sp, Su)   |



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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| PSY     | 6923   | History of Psychology  | Prerequisite: graduate standing. Introduction to origin of modern psychology within science. Origins are examined from the ancient Greeks through philosophy, physiology, and astronomy. Special emphasis placed on the historical trends and the people involved.   |
| PSY     | 6930   | Res-Cognitive Process, Sensation-Perception, Physiological Psy | 1 to 6 hours. Prerequisite: by permission of instructor only. May be repeated; maximum graduate credit eighteen hours. Supervised laboratory research on major projects in an area of mutual interest with a faculty member. Upon advice of the instructor involved, enrollment for work on minor research projects in the above areas may alternatively be in 4990. (F, Sp, Su)   |
| PSY     | 6933   | Seminar in Human Learning and Motivation                       | Prerequisite: permission of instructor. Special topics in human learning, motivation, and memory are considered in detail. Emphasis is placed on recent research literature and development of research proposals.   |
| PSY     | 6940   | Research in Personality: Social and Developmental Psychology   | 1 to 6 hours. Prerequisite: by permission of instructor only. May be repeated; maximum graduate credit 18 hours. Supervised individual laboratory research on major projects in an area of mutual interest with a faculty member. Upon advice of the instructor involved, enrollment for work on minor research projects in the above areas may alternatively be in 4990. (F, Sp, Su)  |
| PSY     | 6960   | Research in Industrial and Organizational Psychology           | 1 to 6 hours. Prerequisite: 5703 and permission of instructor. May be repeated; maximum credit twelve hours. Provide guided research experiences preparatory for master's and doctoral degrees. Topics selected in consultation with faculty member may include leadership, management ethics, and motivation. Exposure to key aspects of the research process including literature reviews, study design, data analysis, report preparation, proposal writing, paper presentation, and article writing. (F, Sp, Su) |
| PSY     | 6970   | Post-Master's Research in Psychology                           | Prerequisite: master's degree and permission of instructor. May be repeated; maximum credit 12 hours. Supervised research for advanced graduate students on major projects of mutual interest with a faculty member. (F, Sp, Su)   |
| PSY     | 6980   | Research for Doctoral Dissertation                             | (F, Sp, Su)  |
| PSY     | 6990   | Independent Study  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| RCPL    | 1999   | Lower Division Transfer Credit                                 | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| RCPL    | 3440   | Mentored Research Experience                                   | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| RCPL    | 3999   | Upper Division Transfer Credit                                 | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| RCPL    | 4003   | The Global City and Planning Issues                            | (Crosslisted with GEOG 4003; Slashlisted with 5003) Prerequisite: English 1213 and junior standing. An introduction to the concept of globalization and its effects on cities, and the city planning issues related to those effects. Characteristics, theories, and strategies of city development are reviewed. Cities are observed from several perspectives: natural and built environment, governance, society, economics, and history. No student may earn credit for both 4003 and 5003. (Sp)                 |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| RCPL    | 4043   | Chinese Architecture, Landscape Architecture and Cities | (Slashlisted with 5043) Prerequisite: Junior or Senior standing. Introduces traditional and modern architecture, landscape architecture, and urban form in China. Intensive lecture and an instructor-guided field trip to Beijing, Shanghai, Xian, Suzhou, and Hangzhou. No student may earn credit for both 4043 and 5043. (Irreg.)  |
| RCPL    | 4213   | Principles and Practice of Urban Planning               | (Slashlisted with 5213) Prerequisite: Junior standing. The field of urban and regional planning is a multi-dimensional discipline that seeks, by its actions, to promote the public purpose. What falls within the embrace of the public purpose varies by and within each jurisdiction. This survey course is about how the planning process, and specifically urban planners, help identify and cultivate that purpose across special interests. A student may not earn credit for both 4213 and 5213. (F)   |
| RCPL    | 4253   | Transportation and the City                             | Prerequisite: Junior standing. This course introduces students to the various modes of transportation: freight, auto, rail, mass transit, bicycle, pedestrian, among others. Students will explore the barriers to the success of these systems and examine best practices about how such deficiencies can be improved to increase urban vitality. (Sp)  |
| RCPL    | 4463   | Geographic Information Systems for Land Use Planning    | (Slashlisted with 5463) Prerequisite: junior standing. This introductory course is concerned with theories, models, and techniques for geographical information system (GIs) and its associated spatial data management, spatial analysis, and quantitative modeling within a GIS environment for effective socio-economic decision-making for problems in the field of regional and city planning. The course introduces to students the regional and city planning applications of micro computer-based mapping and geographic information systems (GIs). Students may not earn credit for both 4463 and 5463. (F) |
| RCPL    | 4863   | Environmental Assessment Methodologies                  | (Slashlisted with 5863; Crosslisted with CEES 4863) Prerequisite: Environmental Science 3603 or graduate standing. Develop knowledge of various environmental assessment methodologies or "tools," including assessments of socio-economic, physical/chemical and biological impacts at the pre-project, operational and post-project phases on human and non-human components of the environment. No student may earn credit for both 4863 and 5863. (Sp)   |
| RCPL    | 4960   | Directed Readings                                       | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| RCPL    | 4970   | Special Topics/Seminar                                  | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| RCPL    | 4990   | Independent Study                                       | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| RCPL    | 5003   | The Global City and Planning Issues                     | (Crosslisted with GEOG 5003; Slashlisted with 4003) Prerequisite: graduate standing. An introduction to the concept of globalization and its effects on cities, and the city planning issues related to those effects. Characteristics, theories, and strategies of city development are reviewed. Cities are observed from several perspectives: natural and built environment, governance, society, economics, and history. No student may earn credit for both 4003 and 5003. (Sp)  |
| RCPL    | 5013   | History and Theory of Urban Planning                    | (Crosslisted with P SC and SOC 5013) Prerequisite: open to seniors in social science departments, civil engineering and architecture, and to graduate students in regional and city planning. An introductory course on the history and theory of contemporary planning, focusing on the physical, social, institutional and economic structure and dynamics of human settlements, and on the role and responsibilities of the professional planner. (F)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| RCPL    | 5033   | Sociology of Housing                                    | (Crosslisted with SOC 5033) Prerequisite: 12 hours of sociology and graduate standing; open to graduate students in regional and city planning. A study of major developments in housing in the U.S. since 1860, including housing reform agitation, sociological problems, ecological patterns of housing areas, minimum standards for healthful housing, government intervention and its current role, and problems of providing adequate housing for different social groups. (F)  |
| RCPL    | 5043   | Chinese Architecture, Landscape Architecture and Cities | (Slashlisted with 4043) Prerequisite: Graduate standing. Introduces traditional and modern architecture, landscape architecture, and urban form in China. Intensive lecture and an instructor-guided field trip to Beijing, Shanghai, Xian, Suzhou, and Hangzhou. No student may earn credit for both 4043 and 5043. (Irreg.)   |
| RCPL    | 5053   | Planning Management                                     | Prerequisite: 5525. Planning management draws on the skills and experiences in previous courses, internships, and/or planning studio to prepare students for the day-to-day life of a professional planner. Topics covered include planners' roles in a democratic society, citizen participation, planning ethics, communication and presentation skills, project management, proposal and grant writing, and systems management. (Sp)   |
| RCPL    | 5113   | Urban Planning Research Methods                         | Prerequisite: graduate standing or permission of instructor. Introduces the basic research and statistical methods used by urban planners and related professions. The course emphasizes application of statistical methods to urban planning problems. (F)   |
| RCPL    | 5173   | Urban and Regional Analysis                             | (Crosslisted with ECON 5173) Prerequisite: 5113 or equivalent. A lecture-seminar-problem-oriented course designed to acquaint the student with the scientific techniques used to analyze urban and regional social, economic, political and environmental problems. Oriented to reflect requirements for studies leading to the preparation of goals, policies and plans for urban and regional scale development. (Sp)   |
| RCPL    | 5203   | Urban Land Use Controls                                 | (Crosslisted with P SC and SOC 5203) Prerequisite: open to seniors in social sciences, architecture and civil engineering, and to graduate students in regional and city planning. A study of the historical development of property systems; of zoning law, ordinance preparation, and administrative procedures; of subdivision regulations and other codes used in the regulation and control of land use. (Sp)  |
| RCPL    | 5213   | Principles and Practice of Urban Planning               | (Slashlisted with 4213, Crosslisted with GEOG 5213) Prerequisite: open to seniors in social science departments, architecture and civil engineering, and to graduate students in regional and city planning. Examines the physical, social, economic, and public interest determinants of land use; the economic, population, and land use studies required to provide the basis for planning; space and location requirements and design characteristics for residential, commercial, industrial, and public uses of land; and the study of urban traffic as a function of land use in terms of structure and systems of movement. A student may not earn credit for both 4213 and 5213. (F) |
| RCPL    | 5353   | State and Local Public Finance and Budgeting Systems    | (Crosslisted with P SC 5353) Prerequisite: graduate standing or permission. An overview of the process and methods for local capital improvement programs and capital budget preparation, and an examination of the relationships between local development policies and fiscal decision making, including revenue potential. (Irreg.)  |
| RCPL    | 5453   | Public Mass Transportation Systems                      | (Crosslisted with CEES 5453) Prerequisite: 3884 or permission of instructor. Service characteristics of the principal modes of public mass transportation with emphasis on urban transit (fixed-route bus, light rail, subways, commuter rail, paratransit, taxi); legislation and regulations; institutional structures; financing; need and demand studies; planning strategies; management; operations and record keeping; case studies of leading systems. (Irreg.)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| RCPL    | 5463   | Geographic Information Systems for Land Use Planning     | (Slashlisted with 4463) Prerequisite: graduate standing or permission of instructor. This introductory course is concerned with theories, models, and techniques for geographical information system (GIS) and its associated spatial data management, spatial analysis, and quantitative modeling within a GIS environment for effective socio-economic decision-making for problems in the field of regional and city planning. The course introduces to students the regional and city planning applications of micro computer-based mapping and geographic information systems (GIS). Students may not earn credit for both 4463 and 5463. (F)  |
| RCPL    | 5483   | Urban and Regional Transportation Planning               | (Crosslisted with CEES 5483) Prerequisite: graduate standing or permission. Characteristics of urban and regional passenger and freight demand; travel demand forecasting methodologies; long- and short-range planning strategies; role of governments; characteristics of major modes of transport; decision-making strategies; case studies. (Sp)  |
| RCPL    | 5493   | Transportation and Land Development                      | (Crosslisted with CEES 5493) Prerequisite: graduate standing or permission. Study of interactions between land development activity and the transportation network. Application of planning and design techniques to manage the impacts of development upon the transportation system.  |
| RCPL    | 5513   | Subdivision and Planned Unit Development Planning        | Prerequisite: graduate standing. Theories, concepts, and methods used to plan and assess the subdivision of land based on typical legal code requirements. Topics include legal requirements, human settlement issues, economic aspects, environmental analysis, infrastructure systems, land use, and city planning requirements of preliminary and final plats. (Sp)  |
| RCPL    | 5522   | Comprehensive RCPL Project: Reporting and Implementation | Prerequisite: Graduate standing. This is the second course in a two-course sequence that is intended to fulfill the 5-credit studio requirement in Masters of Planning curriculum and Studio V in the MLA curriculum. This second course focuses the data analysis and presentation of recommendations to a community. This will involve quantitative or qualitative analysis of gathered data, the development of recommendations and the preparation of professional deliverables to a client. Laboratory (F, Sp, Su)   |
| RCPL    | 5523   | Comprehensive RCPL Project: Research and Plan Making     | Prerequisite: Graduate standing. This is the first course in a two-course sequence that is intended to fulfill the 5-credit studio requirement in Masters of Planning curriculum and Studio V in the MLA curriculum. This first course focuses the data collection for community projects as well as community engagement aspects of professional planning practice. These elements are often the most time consuming elements of professional practice and usually precede actually "plan making". These will included engaging in quantitative or qualitative data collection as well as facilitating opportunities for citizen participation in planning for their communities. Laboratory (F, Sp, Su) |
| RCPL    | 5525   | Comprehensive Regional And City Planning Project         | Comprehensive Regional And City Planning Project. Prerequisite: 5513 Or 5515. Theories, Concepts, And Methods Used To Develop And Implement A Comprehensive Regional Or City Plan. Topics Include The Methods To Assess, Analyze, Plan, And Implement The Elements Of A Comprehensive Plan Such As Citizen Participation, Human Settlement Issues, Demographics And Economics, Environmental Factors, Infrastructure Systems, Transportation Systems, Land Use, Community Facilities, And Typical Legally Mandated City Planning Processes. Laboratory (F)  |
| RCPL    | 5653   | Urban Design Seminar                                     | (Crosslisted with ARCH 5653) Prerequisite: permission of instructor. May be repeated with change of content; maximum credit six hours. Advanced seminar in urban design problems and issues through an in-depth and on-site investigation and evaluation of significant national and international urban development projects. Topics covered will be announced by instructor in the term prior to course offerings. (F, Sp)  |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| RCPL    | 5713   | Urban Economic Development Planning            | Prerequisite: graduate standing or permission of instructor. An introductory course on planning for economic development in the United States at the local, substate and state level. Topics include organizing the economic development planning process, identifying appropriate development strategies, the role of different community components, business attraction and retention, infrastructure issues, industrial parks, financing, training, and programmatic assistance currently available. (Sp)  |
| RCPL    | 5723   | Community Development and Revitalization       | Prerequisite: graduate standing or permission. An overview of community development, revitalization and preservation programs, their historical context, principles and procedures, current approaches and function in the planning process. Topics also include housing, public/private cooperation, financing methods, historic issues, legal context and case studies. Laboratory (F, Sp)   |
| RCPL    | 5733   | Real Estate Development in Urban Planning      | Prerequisite: graduate standing or permission. A survey of the real estate development process that introduces the urban planner and other professions to the concepts and terminology of essential topics, beginning with site selection and including financing, zoning, forms of ownership, market feasibility, information resources, working with related professions, marketing and transferring ownership of property.  |
| RCPL    | 5813   | Environmental Planning Methods                 | Prerequisite: graduate standing or permission. An introduction to the use of environment factors in the urban planning process. Current methodologies for minimizing detrimental environmental impacts are introduced and applied to case study examples. Alternative approaches are compared and contrasted.  |
| RCPL    | 5823   | Rural and Regional Planning                    | Prerequisite: graduate standing or permission of instructor. Examines regional planning and the methods it utilizes. Explores issues of land use competition, federal and state land utilization policies, and other matters pertaining to rural regional environmental planning process. (Sp)   |
| RCPL    | 5853   | World Economic Development                     | (Crosslisted with ECON 5853) Prerequisite: graduate standing. The economics of the developing nations; a review and analysis of common problems and issues. (Irreg.)   |
| RCPL    | 5893   | Historic Preservation Planning                 | Prerequisite: Graduate standing. Through this course, students will: understand and be able to articulate the social and economic values associated with preservation; Gain exposure to and understanding of local, state and federal guidelines for delineation and regulation of historic districts and buildings; Develop case studies in economic feasibility and adaptive reuse, reconstruction and rehabilitation; Understand the role of the State Historic Preservation Office; Understand design-based and economic development based community and district revitalization strategies. (F) |
| RCPL    | 5960   | Directed Readings                              | 1 to 6 hours. Prerequisite: enrollment in regional and city planning. May be repeated; maximum credit six hours. Designed to permit the individual student to read extensively in one or more phases of urban or regional planning. (F, Sp)  |
| RCPL    | 5970   | Special Topics/Seminar                         | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| RCPL    | 5980   | Research for Master's Thesis                   | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| RCPL    | 5990   | Special Studies in Urban and Regional Planning | 2 to 6 hours. Prerequisite: enrollment in regional and city planning. May be repeated with change of subject matter; maximum credit 15 hours. A research problems course designed for the specific needs of students desiring intensive study in a specialized phase of urban or regional planning. Studies are provided in urban and regional analysis, community organization and action programs, and similar areas of concern. Laboratory (F, Sp, Su)  |
| RCPL    | 5999   | Graduate Level Transfer Credit                 | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| RCPL    | 6520   | Field Studies                                       | 1 to 6 hours. Prerequisite: 5213, 5613, enrollment in regional and city planning or permission of staff. Provides the individual student with practical experience in working on a professional staff on a specific planning project. The design of the project and the staff situation under which the student will work is carefully controlled to provide opportunity for significant and meaningful experience. (F, Sp, Su)       |
| RCPL    | 6643   | Urban Design Theory                                 | (Crosslisted with L A 6643 and ARCH 6643) Prerequisite: graduate standing. A survey of theory relevant to the urban design process, including social and behavioral concepts, visual and aesthetic theory, spatial and geographic factors of urban form. (Sp)   |
| RCPL    | 6960   | Directed Readings                                   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| RCPL    | 6970   | Special Topics/Seminar                              | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| RCPL    | 6990   | Independent Study                                   | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| RELS    | 1113   | Introduction to Religious Studies                   | Examines inner workings and external practices of religion, including various definitions of religion, and how religion functions in the world through ritual, myth, and symbol. Analysis of varieties of religious experience, human destiny and the use of sacred texts among the world's religions. (F, Sp, Su) [IV-WC]  |
| RELS    | 1999   | Lower Division Transfer Credit                      | This is not a course offered at the University of Oklahoma.<br>It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| RELS    | 2003   | Special Topics in Introduction to Religious Studies | May be repeated with change of content; maximum credit six hours. Various topics in introduction to religious studies including comparative studies and theories in the study of religion. (Irreg.)   |
| RELS    | 2133   | Introduction to Christianity                        | Explores Christian beliefs and practices from ancient origins to the present day. Examines key texts and observes how and why certain thinkers and events were crucial to the development of the Christian religious tradition, and how ideas and practices were contested (internally and externally) and adapted according to cultural context. (Sp)  |
| RELS    | 2303   | Islamic Religious Tradition                         | An exploration of the historical development of the world's second largest religious tradition. Investigation of the major tenets of Islam, the Qur'an, the life of Muhammad, ritual and worship, development of Islamic law and the spread of Islamic civilization and ideas. (Irreg.) [IV-NW]   |
| RELS    | 2403   | Introduction to Comparative Religion                | A general study of the world's most representative religious traditions, including Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. A comparative consideration of the differences and similarities among the religions. (Irreg.) [IV-NW]  |
| RELS    | 2413   | Religion, Culture, and the Meaning of Life          | Develops the terms and concepts to engage critically powerful sources of meaning-making. Key images, stories, religious and philosophical texts, primarily from Christianity and Judaism, will inform the study of the way traditions interpret and configure important assumptions to meet the needs of their own times, as personal and social crisis demand new ways of understanding suffering and human purpose. (F, Sp) [IV-WC] |
| RELS    | 2703   | Introduction to Buddhism                            | An introductory study of Buddhism, including sacred text and concepts; Examines the four noble truths, the noble eight-fold path; the four immeasurables, and the three traditions of Buddhism; Theravada, Mahayana, and Vajrayana Buddhism. Examines the development of Buddhism from its Asian origins to its adaptation to western culture. (Irreg.) [IV-NW]   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| RELS    | 2713   | Introduction to Hinduism                                   | Study of the tradition of Hinduism. Examines the historical development of the tradition as well as the thoughts of modern philosophers. Examines Aryan and early Indian culture, epics, scriptures, and philosophies that have developed. Explores fundamental premises and guiding principles and organic process of change. Generally inquires into the historical development of the Hindu religious tradition. (Irreg.) [IV-NW] |
| RELS    | 2900   | Special Topics in Religious Studies                        | May be repeated with a change of content; Maximum credit six hours. Special topics in religious studies not accommodated by the current curriculum. (Irreg.)   |
| RELS    | 2903   | Introductory Topics in Judaic Religious Tradition          | May be repeated with a change of content; Maximum credit six hours. An introductory course in the religious traditions of Judaism. Includes historical context of the tradition, basic teachings and different approaches to their interpretations. Examines organic process of religious and/or philosophical change. (Irreg.)  |
| RELS    | 2913   | Introductory Topics in Christian Religious Tradition       | May be repeated with a change of content; Maximum credit six hours. An introductory course in the religious tradition of Christianity. Includes historical context of the tradition, basic teachings, and different approaches to their interpretations. Examines organic process of religious and/or philosophical change. (Irreg.)   |
| RELS    | 2923   | Introductory Topics in Islamic Religious Tradition         | May be repeated with a change of content; maximum credit six hours. An introductory course in the religious tradition of Islam. Includes historical context of the tradition, basic teachings and different approaches to their interpretations. Examines organic process of religious and/or philosophical change. (Irreg.)   |
| RELS    | 2933   | Introductory Topics in Eastern Religious Traditions        | May be repeated with a change of content; maximum credit six hours. An introductory course in a religious tradition such as Buddhism, Hinduism, Shinto, Taoism, Confucianism or other Eastern tradition. Includes historical context of the traditions, basic teaching and different approaches to their interpretation. Examines organic process of religious and/or philosophical change. (Irreg.)                                 |
| RELS    | 2943   | Introductory Topics in Indigenous Religious Traditions     | May be repeated with a change on content; maximum credit six hours. An introductory course in an indigenous or folk religious tradition. Includes historical context of the tradition, basic teachings and different approaches to their interpretation examines organic process of religious and/or philosophical change. (Irreg.)  |
| RELS    | 2960   | Directed Readings  | 1 to 3 hours. Prerequisite: permission of instructor. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major. Topics will cover materials not usually presented in the regular course offerings. (F, Sp, Su)   |
| RELS    | 2970   | Special Topics   | 1 to 3 hours. May be repeated; Maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects.  |
| RELS    | 3013   | Special Topics in Religious Texts                          | Prerequisite: junior standing or permission of instructor. May be repeated with change of text; maximum credit nine hours. An examination of religious texts, and may include the Koran, Jewish scriptures, Christian scriptures, Bhagavad Gita, Vedas, etc. (Irreg.)  |
| RELS    | 3023   | Special Topics in Religious Traditions                     | Prerequisite: junior standing or permission of instructor. May be repeated with a change of content; maximum credit nine hours. An examination of religious traditions, and may include traditions such as Buddhism, Hinduism, Islam, Judaism, Christianity, native traditions or other religious traditions. (Irreg.)   |
| RELS    | 3033   | Special Topics in Religion, Literature & the Arts          | Prerequisite: junior standing or permission of instructor. May be repeated with a change of content; maximum credit nine hours. An examination of the relationship of religion, literature, and the arts, and may include study of various religious expressions through art, music, or literature; or the influence of religious traditions upon the art, music, or writing of a culture or society. (Irreg.)                       |
| RELS    | 3043   | Special Topics in Religion, Social Organization & Politics | Prerequisite: junior standing or permission of instructor. May be repeated with a change of content; maximum credit nine hours. An examination of issues and topics in religion, social organization and politics. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| RELS    | 3053   | Special Topics in Religion and History         | Prerequisite: junior standing or permission of instructor. May be repeated with a change of content; maximum credit nine hours. An examination of religious phenomena throughout history, appearance and development of religious traditions, or special issues or topics in religion and history. (Irreg.)   |
| RELS    | 3063   | Special Topics in Religion and Philosophy      | Prerequisite: junior standing or permission of instructor. May be repeated with a change of content; maximum credit nine hours. An examination of issues and topics in religion and philosophy. (Irreg.)  |
| RELS    | 3153   | Jesus of Nazareth                              | Prerequisite: junior standing or permission of instructor. Examines varied portrayals of Jesus of Nazareth in literature, scholarship, and film, ranging from ancient gospels to contemporary scholarly and cinematic portrayals. Primary texts include canonical and non-canonical gospels from antiquity, modern scholarly reconstructions of the historical Jesus, and contemporary Jesus films. (Irreg.)  |
| RELS    | 3163   | New Testament/Early Christian Literature       | Prerequisite: junior standing or permission of instructor. Examines the history and literature of the earliest Christian communities, from the lifetime of Jesus through the legalization of Christianity under the Emperor Constantine. Special emphasis on understanding the historical context of early Christian writings, especially the letters of Paul and a range of canonical and apocryphal gospels. (Irreg.)   |
| RELS    | 3173   | The Bible in the 21st Century                  | Prerequisite: junior standing. Investigates how people from various parts of the contemporary world understand the meaning and significance of the Bible. Questions addressed include: How do people make this ancient book applicable to contemporary living, and what are the possibilities and pitfalls of such an endeavor? In what ways does a person from Oklahoma read the Bible differently from someone in Africa or Asia? What kinds of competing methods of interpretation are used in the contemporary academic study of the Bible? What are the range of opinions about the role of the Bible in public life, particularly here in America? (Irreg.) |
| RELS    | 3183   | Lost Scriptures and the Formation of the Bible | Prerequisite: Junior standing or permission of instructor. How did the Bible become the Bible? Survey of Jewish and Christian literary activity c. 300 BCE-c. 200 CE, especially texts whose inclusion in the Bible was contested or denied, such as Tobit; the books of the Maccabees; apocalypses; Dead Sea Scroll biblical interpretations, and non-canonical gospels. Historical questions surrounding how and when particular texts in antiquity were ascribed authority. (Irreg.)(IV-WC]  |
| RELS    | 3193   | Biblical Literature                            | Prerequisite: junior standing or permission of instructor. Examines Biblical texts to observe the Bible as the scriptural background of both Judaism and Christianity; modern scholarship and current debates surrounding the composition, themes, content, and dating of Biblical texts; historical and geographic circumstances surrounding the composition of biblical texts; the Bible as cultural inscription, the various ways the Bible is read today, and its impact on modern culture. (Irreg.)  |
| RELS    | 3213   | Religion and Violence                          | Prerequisite: junior standing or permission of instructor. Examines the causes, characteristics, and consequences of religious violence around the world, and investigates religion's unique relationship to violence as the only institution other than the state that can legitimate violent action. Treats the particular ways in which religion frames political violence in terms of a struggle between the sacred and the profane, good and evil. Focuses on theories from sources such as sacred texts, social/psychological explanations, and global processes. (Irreg.)  |
| RELS    | 3223   | Religion and Nationalism in India              | Prerequisite: junior standing or permission of instructor. A study of how the major religions of India (Hinduism, Buddhism, Islam, Zoroastrianism, and Sikhism) change under various political regimes; a case study of how these religions transformed under British colonial rule and in nationalist and post-independence India, hardened religious boundaries, and the partition of India into two nation-states, and one (Pakistan) divided again (into Pakistan and Bangladesh). (Irreg.)(IV-NW]  |



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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| RELS    | 3303   | Conceptions of the Afterlife                         | Prerequisite: junior standing or permission of instructor. An examination of the variety of answers given to the question, "what happens after death?" Particular attention is given to the views of Jews, Christians, Muslims, Hindus, and Buddhists and the ways these views related to life in this world. Conducted in a seminar format. Students will also explore ways the afterlife is presented in popular movies. (Irreg.) [IV-NW]  |
| RELS    | 3313   | World Religions in America                           | Prerequisite: junior standing or permission of instructor. The United States of America is arguably the world's most religiously diverse nation at the beginning of the 21st century. The framers of the Constitution could not have imagined the scope of religious diversity in the United States today when they wrote the famous sixteen words of the First Amendment: "Congress shall make no law respecting an establishment of religion or prohibiting the free exercise thereof..." This course explores the history of and contemporary challenges and opportunities presented by the presence of and freedom for adherents of the world's religions in America. Through readings, class lectures and discussion, guest lectures, and access to superb electronic resources, students will become conversant with multiple factors that have shaped the American experience and are as current as the headlines in today's news. (Irreg.) |
| RELS    | 3413   | Approaches to the Study of Religion                  | Prerequisite: junior standing or permission of instructor. Examines ways religion may be studied in order to better understand it. The course will include theory and the methodologies of the social sciences and humanities. (Irreg.)  |
| RELS    | 3423   | Gender, Sex, and the Body in the Christian Tradition | Prerequisite: junior standing or permission of instructor. An overview of some topics where issues of gender and sexuality intersect with a particular religious tradition. Topics have to do with gender, sexuality, and religion, including purity and power, celibacy and virginity, marriage, reproductive rights, gender fluidity, and religious leadership and ordination. (F)   |
| RELS    | 3440   | Mentored Research Experience                         | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| RELS    | 3533   | The Qur'an   | Prerequisite: Junior standing or permission of instructor. Intensive study of the Qur'an, its major themes, and literary forms, with attention to a range of classical and contemporary discourses about the Qur'an, emphasizing the great variety of ways in which Muslims and non-Muslims have analyzed and interpreted the Qur'an. (Irreg.) [IV-NW]   |
| RELS    | 3543   | Islamic Law  | Prerequisite: Junior standing or permission of instructor. A close reading and discussion of primary texts (scriptural, classical, and modern) and accounts of court cases, focused on one aspect of Islamic law such as equity, violence, authority, or gender. (Irreg.) [IV-NW]  |
| RELS    | 3563   | Islamic Theology                                     | Prerequisite: junior standing or permission of instructor. A close reading and discussion of primary texts (the Qur'an creeds, classical theological arguments, and modern writings) on major theological problems such as salvation, God, revelation, and religious pluralism. (Irreg.) [IV-NW]   |
| RELS    | 3573   | Jesus in the World's Religions                       | Prerequisite: junior standing or permission of instructor. This seminar examines some of the great diversity of ways in which Jesus has been understood and imagined by adherents of five religious traditions (Christianity, Judaism, Islam, Hinduism, and Buddhism). Rather than asking who Jesus actually was, we will focus on how he has been represented, and why. (Irreg.)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| RELS    | 3583   | Comparative Sacred Texts                            | Prerequisite: junior standing or permission of instructor. This seminar examines a selection of passages from texts that are sacred to five religious traditions (Judaism, Christianity, Islam, Hinduism, and Buddhism), as well as selections from later commentaries that interpret those sacred texts. The chosen texts relate to the origin of the world, the human condition, and salvation from that condition - especially as achieved through sacrifice. As we carefully and collectively build our mental models of how each text and each commentary envisions the human condition and the way to salvation from it, we will test the usefulness of comparison between different traditions as a tool for understanding scriptures, commentaries, and religions. We will also try to develop some general theories about how scriptures function, and how they are used and interpreted, within the religious communities that hold them sacred. (Irreg.) |
| RELS    | 3623   | Discovering the Apostle Paul: His Life and Thoughts | Prerequisite: junior standing or permission of the instructor. Explores who Paul claimed to be within his own Jewish and then Greco-Roman first-century context. Explores the letter-writing medium, his view of law, the role of women, resurrection and afterlife, and his goals for the church. (Irreg.)   |
| RELS    | 3633   | Religious Leaders for Social Justice                | Prerequisite: junior standing or permission of instructor. Examines social and political leaders taking a stand against injustice by both speaking and acting against it. They are called religious in that they derive part of their inspiration and motivation from their faith tradition. Surveys the writing of activists from among various faith traditions for life experiences and personal attributes that give rise to their ability to speak out and lead. (Irreg.)  |
| RELS    | 3643   | Special Topics in Religious Studies: Travel Abroad  | Prerequisite: RELS major or minor, junior standing, permission of instructor and satisfaction of criteria established by OU Education Abroad office (including overall GPA of 2.5). May be repeated with change of content/location; maximum credit six hours. An examination of themes, shifts, events or major sites of various religions. (Irreg.)   |
| RELS    | 3663   | Roman Religion                                      | Prerequisite: junior standing or permission of instructor. The course examines religious practices and beliefs in the Roman world from the founding of the Roman Republic to Late Antiquity through a survey of literary and archaeological evidence. (Irreg.)  |
| RELS    | 3683   | Christian Heresies                                  | Prerequisite: junior standing. Investigates the relationship between religious orthodoxy and heresy, and how the clamor for the former only generated more of the latter. We will examine what became orthodox and why and how, and what heresies emerged, persisted or re-emerged, and under what conditions. We will examine how cultural, socio-economic, ethnic, and political/power relationships impinged upon the definition and evolution of authority, orthodoxy, and heresy. The goals of this course include the tracing of the recurrence of ancient heretical ideas into the modern period, and the consequences of the orthodox/heterodox dialectic across Christian history. (Irreg.)  |
| RELS    | 3693   | Greek Religion                                      | Prerequisite: junior standing or permission of instructor. Examines the religious rituals, beliefs, and sacred sites of the ancient Greeks. Considers such topics as the relationship between myths and ritual, sacred time and space, concepts of the afterlife, and the role of religion in the family and city-state. (Irreg.)   |
| RELS    | 3723   | Buddhist Meditation Traditions                      | Prerequisite: junior standing or permission of instructor. Explores in detail systems and techniques of meditation within different traditions of Buddhism. Meditation is understood as necessary to fulfilling the highest goals of Buddhism. Yet different traditions within Buddhism have had different understandings of what meditation entails and how it relates to other aspects of the complex of the Buddhist tradition as a whole. Course will examine different conceptions of meditation and how these different conceptions affect the understanding of the Buddhist life. Also considers from the perspective of the philosophy of religion, the issue of the validity of religious experience in meditation as a source of gnosis and self-transformation that crosses religious and sectarian boundaries. (Irreg.) [IV-NWC]  |

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| Subject | Number | Title                                     | Course Description  |
|---------|--------|---|---|
| RELS    | 3733   | Tibetan Buddhism                          | Prerequisite: junior standing or permission of instructor. A survey of Tibetan Buddhism, sometimes referred to as "Vajrayana" or "Tantric Buddhism," considered in relation to the socio-cultural history of late Medieval India. Themes include monastic institutions, reincarnate lama traditions, death and dying, and contemporary political issues. A major theme will be the "image of Tibet"--the mythologization of Tibet, the Tibetan people, and their culture in foreign imagination. (Irreg.)     |
| RELS    | 3743   | Daoism                                    | Prerequisite: junior standing or permission of instructor. Examines history, practices, and worldviews of the Daoist tradition as it developed and took shape over Chinese history. The history of Daoism, the social and cultural forces that shaped its development, and the views, practices, and goals of specific Daoist schools. A study of the formation of Daoist identity and community, material culture, construction of sacred space, and self-cultivation techniques. (Irreg.)                   |
| RELS    | 3753   | Zen Buddhism                              | Prerequisite: junior standing or permission of instructor. The development and growth of Chan Buddhism (China), Zen Buddhism (Japan); and the introduction and representation of Zen in the United States, through critical, post-modern historiography. This approach highlights the way Chan/Zen Buddhists have defined and redefined themselves through the construction and reconstruction of their history, and the representation of the Zen tradition by scholars, apologists, and adherents. (Irreg.) |
| RELS    | 3843   | Archaeology of the Lands of the Bible     | Prerequisite: junior standing. Examines the lands, cultures, and people associated with the Hebrew Bible and the New Testament through a chronological survey of archaeological evidence and investigates the relationship between archaeology and biblical texts. The course also investigates archaeological evidence for Jewish and Christian practices in late Roman Palestine as well as archaeological and architectural evidence for early Islamic Jerusalem. (Sp)                                     |
| RELS    | 3900   | Special Topics                            | 1 to 4 hours. Prerequisite: junior standing or permission of instructor. May be repeated with change of topic; maximum credit nine hours. Topics in Religious Studies not accommodated by the existing curriculum. (Irreg.)   |
| RELS    | 3903   | Topics in Judaic Religious Tradition      | Prerequisite: junior standing or permission of instructor. May be repeated with a change of content; maximum credit six hours. An upper division course in the religious tradition of Judaism. Includes historical context of the tradition, basic teachings and different approaches to their interpretations. Examines organic process of religious and/or philosophical change. (Irreg.)   |
| RELS    | 3913   | Topics in Christian Religious Tradition   | Prerequisite: junior standing or permission of instructor. May be repeated with change of content; maximum credit six hours. An upper division course in the religious tradition of Christianity. Includes historical context of the tradition, basic teachings and different approaches to their interpretations. Examines organic process of religious and/or philosophical change. (Irreg.)  |
| RELS    | 3923   | Topics in Islamic Religious Tradition     | Prerequisite: junior standing or permission of instructor. May be repeated with change of content; maximum credit six hours. An upper division course in the religious tradition of Islam. Includes historical context of the tradition, basic teachings and different approaches to their interpretations. Examines organic process of religious and/or philosophical change. (Irreg.)   |
| RELS    | 3933   | Topics in Eastern Religious Traditions    | Prerequisite: junior standing or permission of instructor. May be repeated with a change of content; Maximum credit six hours. An upper division course in a religious tradition such as Buddhism, Hinduism, Shinto, Taoism, Confucianism or other eastern tradition. Includes historical context of the tradition, basic teachings and different approaches to their interpretation. Examines organic process of religious and/or philosophical change. (Irreg.)   |
| RELS    | 3943   | Topics in Indigenous Religious Traditions | Prerequisite: junior standing or permission of instructor. May be repeated with a change of content; maximum credit six hours. An upper division course in an indigenous or folk religion. Includes historical context of the tradition, basic teachings and different approaches to their interpretation. Examines organic process of religious and/or philosophical change. (Irreg.)  |

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| Subject | Number | Title                            | Course Description   |
|---------|--------|----------------------------------|--|
| RELS    | 3960   | Honors Reading                   | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Topics will cover materials not usually presented in the regular course offerings. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| RELS    | 3970   | Honors Seminar                   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| RELS    | 3980   | Honors Research                  | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. Topics will cover materials not usually presented in the regular offerings. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| RELS    | 3990   | Independent Study                | 1 to 3 hours. Prerequisite: 1113, Anthropology 1823, Philosophy 1203 or 2403; junior standing, and permission of instructor. May be repeated; maximum credit six hours. Through a written contract, independent study may be arranged for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or field projects. (F, Sp, Su)   |
| RELS    | 3999   | Upper Division Transfer Credit   | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| RELS    | 4323   | Capstone                         | Prerequisite: Major in Religious Studies and permission of instructor. Capstone provides the opportunity to integrate knowledge about the major and apply it to a project culminating in a presentation and senior paper. The project will develop a selected problem, issue, or controversy in religious studies. (F, Sp) [V]   |
| RELS    | 4640   | Field Study in Religious Studies | (Slashlisted with 5640) 1 to 6 hours. Prerequisite: junior standing and permission of instructor or RELS program. May be repeated with change of content/location; maximum credit 12 hours. Students participate in excavation and field study of material culture. Course combines lectures, lab, discussion, and/or research. The subject matter depends upon the specific summer session. No student may earn credit for both 4640 and 5640 for the same content/location. (Su) |
| RELS    | 4960   | Directed Readings                | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| RELS    | 4970   | Special Topics/Seminar           | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| RELS    | 4990   | Independent Study                | 1 to 3 hours. Prerequisite: 1113, Anthropology 1823, Philosophy 1203 or 2403; senior standing, and permission of instructor. May be repeated; maximum credit six hours. Through a written contract, independent study may be arranged for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or field projects. (F, Sp, Su)   |
| RELS    | 5640   | Field Study in Religious Studies | (Slashlisted with 4640) 1 to 6 hours. Prerequisite: graduate standing, permission of instructor or RELS program. May be repeated with a change of content/location; maximum credit twelve hours. Students will participate in excavation and field study of material, social, and visual culture. Combines lectures, lab, discussion, and/or research. The subject matter depends upon the specific summer session. No student may earn credit for both 4640 and 5640. (Su)        |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| RELS    | 5960   | Independent Study In Religious Studies       | 1 to 3 hours. Prerequisite: graduate standing and/or permission of instructor. May be repeated with change of content; maximum credit nine hours, maximum of six hours with one professor/instructor. Independent study/directed reading arranged between the professor and student on a special topic in religious studies, to give students the opportunity to complete intensive readings in field of study under direct guidance of the student's advisory committee. (F, Sp, Su) |
| RELS    | 5970   | Special Topics/Seminar                       | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| RELS    | 5990   | Independent Study                            | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| RELS    | 5999   | Graduate Level Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| RELS    | 6960   | Advanced Readings in Religious Studies       | 1 To 3 Hours. Prerequisite: permission of instructor; student must be at PhD level. May be repeated with change of content; maximum credit nine hours. Advanced independent study/directed reading, arranged between the professor and student on a special topics in religious studies. Designed to give students the opportunity to complete intensive readings in field of study under direct guidance of his/her advisory committee. (F, Sp, Su)                                  |
| RELS    | 6970   | Special Topics/Seminar                       | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| RELS    | 6990   | Independent Study                            | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| RPHD    | 1999   | Lower Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| RPHD    | 3999   | Upper Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| RPHD    | 5999   | Graduate Level Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| RPHD    | 6022   | Graduate Recital-Doctor of Philosophy Degree | Prerequisite: concurrent enrollment in 6010, permission of adviser and instructor. May be repeated for credit with the approval of the student's advisory committee. May not be elected during first enrollment. Preparation and performance of a public recital. (F, Sp, Su)   |
| RUSS    | 1115   | Beginning Russian                            | An elementary course in understanding, speaking, reading and writing Russian. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F, Sp, Su) [I-FL]  |
| RUSS    | 1225   | Beginning Russian (Continued)                | Prerequisite: 1115. An elementary course in understanding, speaking, reading and writing Russian. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F, Sp) [I-FL]  |
| RUSS    | 1999   | Lower Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| RUSS    | 2113   | Intermediate Russian                         | Prerequisite: 1225. Training in reading, writing, speaking, and understanding contemporary Russian. Emphasis on expansion of vocabulary and strong reinforcement of grammatical structures. (F, Sp)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| RUSS    | 2223   | Intermediate Russian (Continued)                            | Prerequisite: 2113. Continued training in reading, writing, speaking, and understanding contemporary Russian. Emphasis on expansion of vocabulary and strong reinforcement of grammatical structures. (F, Sp)   |
| RUSS    | 2970   | Special Topics/Seminar                                      | 1 to 3 hours. May be repeated; maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)  |
| RUSS    | 3023   | Beginning Business Russian                                  | Prerequisite: twenty hours of Russian. Intended to enable Russian students to read, write, and translate business Russian. Readings in this course will consist of translating contracts, agreements, and other areas of commercial correspondence. (Irreg.)  |
| RUSS    | 3073   | Russian Conversation  | Prerequisite: RUSS 2113. Training in reading, writing, and understanding contemporary Russian. Emphasis on expansion of vocabulary and strong reinforcement of grammatical structures. (F, Sp)  |
| RUSS    | 3123   | Advanced Business Russian                                   | Prerequisite: twenty hours of Russian, 3023. Enables Russian reading and translation of more advanced Russian business texts. Readings will consist of translating business orders, contracts, agreements and other areas of commercial correspondence. (Correspondence)  |
| RUSS    | 3313   | Russian Phonetics   | Prerequisite: 2113. A detailed study of the sounds of Russian and the inculcation of proper speech habits. (Irreg.)   |
| RUSS    | 3323   | Advanced Russian Reading and Composition                    | Prerequisite: 2223. A systematic grammar review with a view toward improving the student's control of written Russian. (F)  |
| RUSS    | 3423   | Advanced Russian Reading and Composition (Continued)        | Prerequisite: 3323. A systematic grammar review with a view toward improving the student's control of written Russian. (Sp)   |
| RUSS    | 3440   | Mentored Research Experience                                | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| RUSS    | 3523   | Interpreting the Russian Media                              | Prerequisite: 2223. Focus on developing higher-level receptive and productive language skills through an exposure to authentic texts from Russian print media and television news reports. Students will focus on vocabulary-building, recognizing and employing journalistic conventions, reading between the lines, understanding nuance and enhancing their awareness of cultural references. (Irreg.)   |
| RUSS    | 3960   | Honors Reading  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)  |
| RUSS    | 3980   | Honors Research   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp)  |
| RUSS    | 3990   | Independent Study   | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp)   |
| RUSS    | 3999   | Upper Division Transfer Credit                              | This is not a course offered at the University of Oklahoma.<br>It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| RUSS    | 4173   | Topics in Nineteenth-Century Russian Literature and Culture | Prerequisite: 3423. May be repeated once with change of content; maximum credit six hours. A course for advanced students of the Russian language. All reading assignments and lectures will be in Russian. (F)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| RUSS    | 4183   | Topics in 20th and Post-20th Century Russian Literature and Culture | Prerequisite: 3423. May be repeated once with change of content; maximum credit six hours. A course for advanced students of the Russian language. All reading assignments and lectures will be in Russian. (Sp) [V]  |
| RUSS    | 4613   | Advanced Russian Conversation                                       | Prerequisite: 3073, 3323. Conversation on topics in Soviet history, government, literature and sociology with emphasis on the particular terminology of each of these fields. (Sp)  |
| RUSS    | 4960   | Directed Readings   | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| RUSS    | 4970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special Topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| RUSS    | 4990   | Independent Study   | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp)                      |
| RUSS    | 5910   | Problems in Research  | 2 to 4 hours. May be repeated with change of content; maximum credit nine hours. An individual course of intensive research with the area and problem to be determined by the student and directing instructor. (F, Sp)   |
| RUSS    | 5960   | Directed Readings   | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| RUSS    | 5970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| RUSS    | 5990   | Independent Study   | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| RUSS    | 5999   | Graduate Level Transfer Credit                                      | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| S WK    | 1999   | Lower Division Transfer Credit                                      | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| S WK    | 2113   | Introduction to Social Work   | Prerequisite: sophomore or junior standing. Defines the profession of social work and describes its historical development. Provides foundation knowledge in social work values, professional ethics, and the history of social welfare and social services policy in the United States. (F, Sp)  |
| S WK    | 2223   | Statistics for Social Work  | Prerequisite: DMAT 0123, MATH 0123, or satisfactory score on math placement exam. Introduction to statistics and data analysis in social work and the helping professions. Covers descriptive statistics (univariate and bivariate), inferential statistics (estimation and significance tests) and data interpretation (causality and generalizability). (F, Sp, Su) [I-M] |
| S WK    | 2970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: Permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| S WK    | 3003   | Interviewing Skills for Generalist Practice       | Prerequisite: majors only. Introduction to basic interviewing and communication skills utilized in culturally sensitive, generalist social work practice. Emphasis on the development of self-awareness and skill development and on providing both didactic and experiential learning. (F)   |
| S WK    | 3103   | Generalist Practice with Individuals and Families | Prerequisite: majors only. First of three generalist social work practice courses explicates a generalist perspective that focuses on the knowledge, values, skills, and techniques appropriate for engagement, assessment, intervention and evaluation with individuals and families. (F)  |
| S WK    | 3113   | Generalist Practice with Families and Groups      | Prerequisite: S WK 3103. The second of three generalist social work practice courses; explicates a generalist perspective that focuses on the knowledge, values, skills and techniques appropriate for engagement, assessment, intervention, and evaluation with families and small groups. (Sp)  |
| S WK    | 3233   | Human Behavior: Individuals and Families          | Prerequisite: majors only. Within a social systems framework and bio-psycho-social perspective, students learn empirically based theories which deal with life-span development and family dynamics. This course provides a theoretical foundation for micro-level generalist practice. (F)   |
| S WK    | 3243   | Human Behavior: Organizations and Communities     | Prerequisite: S WK 3233. Building on the theoretical content in S WK 3233, students learn theories related to organization and community dynamics and behavior. Special attention is given to establishing theoretical foundations for the assessment of mezzo- and macro-level systems. (Sp)   |
| S WK    | 3313   | Social Welfare Policy: Analysis and Practice      | Prerequisite: majors only. An undergraduate level historical and descriptive review of federal and state social welfare programming, introduction to social welfare policy analysis, and the role of the social work profession in affecting change in social welfare policy. (Sp)  |
| S WK    | 3323   | Human Diversity and Social Justice                | Prerequisite: majors only. Provides undergraduate students with social work knowledge of human diversity from a social justice perspective. Knowledge of diverse groups' norms/values, differential power, societal oppression, and transactions between and within social groups are emphasized. (F)   |
| S WK    | 3440   | Mentored Research Experience                      | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| S WK    | 3960   | Honors Reading                                    | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in regular coursework. (F, Sp, Su)   |
| S WK    | 3980   | Honors Research                                   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)  |
| S WK    | 3990   | Independent Study                                 | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| S WK    | 3999   | Upper Division Transfer Credit                    | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| S WK    | 4083   | Undergraduate Social Work Research Methods I      | Prerequisite: senior standing and S WK 2223 or equivalent. Introduction to the design and implementation of quantitative and qualitative research methods appropriate to social work practice evaluation and program evaluation. (F)  |
| S WK    | 4093   | Undergraduate Social Work Research Methods II     | Prerequisite: S WK 4083. Introduction to applied data analysis methods appropriate to research in social work practice evaluation and human services program evaluation. (Sp)   |



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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| S WK    | 4103   | Generalist Practice with Organizations and Communities | Prerequisite: S WK 3113; corequisite: S WK 4311, S WK 4315. Third of three methods courses in the social work practice sequence using a generalist model focuses on knowledge, values and skills requisite for social work practice with various client systems. Course emphasizes development of knowledge and skills specific for assessment and intervention with organizations and communities. (Sp)         |
| S WK    | 4163   | Child Abuse and Neglect                                | (Slashlisted with 5163) Prerequisite: upper-division standing or permission of instructor. Introduction to the field of child abuse and neglect. Examines the history of the field, different forms of abuse and neglect, causative factors, abuse and neglect dynamics, treatment approaches, the social services system, and prevention strategies. No student may earn credit for both 4163 and 5163. (Irreg) |
| S WK    | 4170   | Special Topics in Social Work and Social Welfare       | (Slashlisted with 5170) 2 to 3 hours. Prerequisite: upper-division standing or permission of director. May be repeated with change of content; maximum credit nine hours. Focus is on issues significant to social work or social welfare. No student may earn credit for both 4170 and 5170 on the same topic. (Irreg.)   |
| S WK    | 4183   | Child Welfare and Sexually Abusive Families            | (Slashlisted with 5183) Prerequisite: upper division standing or permission of instructor. Focus on child sexual abuse as a special content area of social work practice within child welfare services. Emphasis will be placed upon intervention. No student may earn credit for both 4183 and 5183. (Irreg.)   |
| S WK    | 4311   | Practicum Seminar I                                    | Prerequisite: senior standing, majors only; corequisite: 4315. Integration of knowledge, values, and skills derived in social work courses with practicum situations. (F, Sp, Su)  |
| S WK    | 4315   | Practicum I  | Prerequisite: majors only, senior standing; corequisite: S WK 4311. A structured, educationally directed experience in social work practice, provided under the supervision of a qualified social worker as practicum instructor. (F, Sp, Su)  |
| S WK    | 4325   | Practicum II   | Prerequisite: S WK 4315; corequisite: S WK 4331. A continuation of the educational experience in S WK 4315. In combination with Practicum Seminar II (4331), this course comprises the General Education capstone experience in social work. (F, Sp, Su) [V]   |
| S WK    | 4331   | Practicum Seminar II                                   | Prerequisite: S WK 4311; corequisite: S WK 4325. A continuation of the educational experience in S WK 4311. In combination with S WK 4325, this course comprises the general education capstone experience in Social Work. Focus is on the integration of theories, principles, and skills for evaluating generalist practice competency. (F, Sp, Su)  |
| S WK    | 4333   | Alcohol and Drug Abuse                                 | Alcohol And Drug Abuse. Prerequisite: Junior Standing Or Above. Survey Of The Theoretical And Research Writings On The Etiology, Dynamics And Social Work Treatment Of Substance Abuse (Alcohol And Drugs) In Contemporary American Society. Considerable Emphasis On Social Work Practice (Casework And Group Work) With Substance Abusers. (F)   |
| S WK    | 4960   | Directed Readings                                      | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| S WK    | 4970   | Special Topics/Seminar                                 | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| S WK    | 4990   | Independent Study                                      | 1 to 3 hours. Prerequisite: three courses in general area to be covered; permission of instructor and undergraduate program coordinator. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field practicum projects. (F, Sp, Su)                      |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| S WK    | 5013   | Advanced Standing Seminar  | Prerequisite: admission to advanced standing status. A seminar course designed to enhance the preparation of advanced standing students for master's level study in Social Work. Foundation content in human behavior, practice, policy, research, and diversity and ethics are overviewed. Individualized student professional development is emphasized. (Su)  |
| S WK    | 5083   | Social Work Research Methods I                                       | Prerequisite: graduate standing in social work and an introductory course in statistics. Introduction to the design and implementation of quantitative and qualitative research methods appropriate to social work practice evaluation and program evaluation. (F)   |
| S WK    | 5093   | Social Work Research Methods II                                      | Prerequisite: graduate standing in Social Work and S WK 5083. Introduction to applied data analysis methods appropriate to research in social work practice evaluation and human services program evaluation. (Sp)   |
| S WK    | 5103   | Generalist Practice with Individuals, Families, and Treatment Groups | Prerequisite: graduate standing in Social Work. One of two generalist social work practice courses; explicates a generalist perspective that focuses on the knowledge, values, skills, and techniques appropriate for engagement, assessment, intervention and evaluation with individuals, families, and treatment groups. (F, Sp)  |
| S WK    | 5113   | Generalist Practice with Groups, Organizations, and Communities      | Prerequisite: graduate standing in Social Work. Second of two required foundation-year method courses in the generalist social work practice. Continuation of the exploration of the generalist perspective focusing on the knowledge, values, skills, and techniques appropriate to assessment and interventions with groups, organizations, and communities. (F, Sp)   |
| S WK    | 5123   | Genomics in Social Work Practice                                     | Prerequisite: graduate standing in social work or permission of instructor. Examines current knowledge of the contributions of genetic and environmental factors as determinants of health and behavior and the impact of genetically influenced diseases on individuals and their family. Genomics and policy implications for public health and ethical consideration will be explored. (Irreg.)   |
| S WK    | 5133   | Social Work and Health Care  | Prerequisite: graduate standing or permission of instructor. Designed to expose graduate level social work students to a broad range of theories, models and practices related to the provision of social work in a variety of micro-, mezzo- and macro-practice settings within the healthcare arena. The current models of social work direct practice as part of an interdisciplinary team are examined. Public and community health models of services and intervention supporting macro change efforts to improve health are explored. Information from current expanding knowledge regarding determinants of health and behavior are introduced, as well as the ongoing public policy discussions regarding access to care and quality of care. (Irreg.) |
| S WK    | 5153   | Seminar on Community Health  | Prerequisite: graduate standing in social work or permission of instructor. This is an intensive course that immerses students within the OU-Tulsa School of Community Medicine Summer Institute. A variety of experiential learning methods are combined into an interdisciplinary setting. Full participation in the Summer Institute is required in addition to specific assignments relevant to social work. (Irreg.)  |
| S WK    | 5163   | Child Abuse and Neglect  | (Slashlisted with 4163) Prerequisite: graduate standing or permission of instructor. Introduction to the field of child abuse and neglect. Examines the history of the field, different forms of abuse and neglect, causative factors, abuse and neglect dynamics, treatment approaches, the social services system, and prevention strategies. No student may earn credit for both 4163 and 5163. (Irreg.)  |
| S WK    | 5170   | Special Topics in Social Work and Social Welfare                     | (Slashlisted with 4170) 2 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated with change of content; maximum credit 12 hours. Focus is on issues significant to social work or social welfare. No student may earn credit for both 4170 and 5170 on the same topic. (Irreg.)   |
| S WK    | 5173   | Social Gerontology   | Prerequisite: Graduate standing or permission of instructor. This course overviews the sociological aspects of aging. It examines the institutions of society that affect the older population and that are affected by them. (Irreg.)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| S WK    | 5183   | Child Welfare and Sexually Abusive Families                 | (Slashlisted with 4183) Prerequisite: graduate standing or permission of instructor. Focus on child sexual abuse as a special content area of social work practice within child welfare services. Emphasis will be placed upon intervention. No student may earn credit for both 4183 and 5183. (Irreg.)  |
| S WK    | 5193   | Social Work Practice in Aging                               | Prerequisite: Graduate standing or permission of instructor. Practice issues in the care, treatment and delivery of social and health care services to elders. (Irreg.)   |
| S WK    | 5203   | Social Work and the Law                                     | Prerequisite: graduate standing or permission of instructor. Examines law and the legal system. Special attention is given to legal issues impacting social service programs, clients, and the profession of social work. (Irreg.)  |
| S WK    | 5213   | Infant Mental Health  | Prerequisite: graduate standing in social work or permission of instructor. This course provides an overview of clinical and policy information necessary to effectively assess, and provide treatment for children ages 1 - 5 years and their families. (Irreg.)   |
| S WK    | 5223   | Ethiopian Social Welfare Issues                             | Prerequisite: graduate standing or permission of instructor. Provides students with knowledge of social welfare issues in Ethiopia and specifically the local, national and international responses for education and human service institutions. This content is presented within the historical, social, cultural, economic and political context of Africa in general, and Ethiopia specifically. (Irreg.)   |
| S WK    | 5233   | Human Behavior: Individuals, Families, and Treatment Groups | Prerequisite: graduate standing in Social Work. Within a social systems framework and biopsychosocial perspective, students learn empirically based theories which deal with life-span development and family behavior. This course provides a theoretical foundation for micro and mezzo- level generalist practice. (F)   |
| S WK    | 5243   | Human Behavior II: Groups, Organizations and Communities    | Prerequisite: graduate standing in Social Work and S WK 5233. Building on the theoretical content in S WK 5233, students learn theories related to group, organization, and community dynamics and behavior. Special attention is given to establishing theoretical foundations for the assessment of mezzo and macro level systems. (Sp)   |
| S WK    | 5253   | Alcohol and Other Drugs                                     | Prerequisite: graduate standing in Social Work or permission of instructor. Integrated focus on the action of drugs and the consequences of AOD use, abuse, and addiction. Historical and current policies as well as issues are also examined. Attention is given to diverse populations, research findings and theoretical perspectives. (Irreg.)   |
| S WK    | 5263   | Biopsychosocial Aspects of Health and Behavior              | Prerequisite: graduate standing or permission of instructor. The primary focus of this course is on enhancing knowledge and understanding of biological determinants of health and behavior as they interact with the environmental dimensions of health and behavior. These issues will be discussed in relation to the individual, and family, as well as ethical and policy and program implications. (Irreg.)   |
| S WK    | 5273   | School Social Work  | Prerequisite: graduate standing in social work or permission of instructor. Designed to help prepare students for social work practice in school settings. It covers a range of practice and policy issues along with the multiplicity of school social worker roles and responsibilities. Currently offered as an internet course. (Irreg.)  |
| S WK    | 5283   | Tribal-U.S. Child/Family Welfare Policy and Practice        | Prerequisite: graduate standing. Examines and critically analyzes the policies, regulations, and organizational change issues that aim to improve the lives of children, youth, and families from tribal and United States backgrounds. The contexts, forces, and ideologies that produce the often-changing goals and methods of agencies serving children and their families at a tribal, state, and national levels will be examined. Emphasis will be placed on current opportunities and dilemmas facing Indian child welfare programs and public and private child welfare agencies. Using social and behavioral science research and information related to diversity and social justice, critical frameworks for assessing and analyzing child welfare policies, service systems, and organizational structures will be developed. It is highly recommended that S WK 5293: Social Work with American Indians be taken prior to this course. (Irreg.) |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| S WK    | 5293   | Direct Practice with Diverse Students, Disabilities, & Transition | Prerequisite: S WK 5103 or EDSP 5093 or permission of instructor; Social Work or Educational Psychology graduate students only. An overview of the theory and skills needed to work with diverse students including students with disabilities as they prepare to transition from school to adult life. Focuses on the knowledge, values, skills, and techniques appropriate for engagement, assessment, intervention and evaluation with diverse students preparing for transition. (Su)   |
| S WK    | 5303   | American Indian Behavioral Health                                 | Prerequisite: graduate standing. Provides the knowledge, skills, and self-awareness necessary for culturally relevant behavioral health services to tribal populations located in the United States. Knowledge will encompass traditional tribal conceptualizations of mental health and the impact of colonization. Indigenous and Western theories will frame the development of skills for mental health and substance abuse assessment, interventions, and prevention with individuals, families, and communities with a particular focus on tribal youth. It is highly recommended that S WK 5293: Social Work with American Indians be taken prior to this course. (Irreg.) |
| S WK    | 5313   | Social Welfare Policy Practice and Analysis                       | Prerequisite: graduate standing in Social Work. A graduate-level historical and descriptive review of federal and state social welfare programming, introduction to social welfare policy analysis, and the role of the social work profession in affecting change in social welfare policy. (F, Sp)  |
| S WK    | 5333   | Human Diversity and Societal Oppression                           | Prerequisite: graduate standing in Social Work. Provides graduate students with social work knowledge of human diversity from a social justice perspective. Knowledge of diverse groups' norms/values, differential power, societal oppression, and transactions between and within social groups is emphasized. (F)  |
| S WK    | 5343   | Social Work with American Indians                                 | Prerequisite: graduate standing in Social Work, Native American Studies or junior/senior undergraduate standing in Social Work or Native American Studies. An introduction to issues influencing social work among American Indians. Knowledge of tribal culture, historical and contemporary oppression, sovereign status, and current service contexts will be framed against the strengths and empowerment perspectives. The skills and values unique to social work with American Indians will be developed to form the essential foundation for effective practice across the individual, family, clan, community, and tribal nation. (Irreg.)                               |
| S WK    | 5353   | International Child Welfare                                       | Prerequisite: graduate standing. Comparative study of child welfare policies and practices in Israel and the United States through study abroad. Content areas include international and comparative frameworks in policy and practice analyses, child welfare practices in the United States and Israel, governmental and not-for-profit sectors for the protection of children and their families, cross-cultural learning exchanges with social work students and social workers in Israel and the United States. (Su)   |
| S WK    | 5363   | Health & Social Work  | Prerequisite: graduate standing or special permission for undergrads. Designed to develop practice-based knowledge of social work in health care settings, medical terminology, health care provisions, interdisciplinary teams, and insurance issues; the effects of illness and disease on the patient and families, the importance of patient rights and the intersection of culture, gender, age, class, and sexual orientation, on the interactions between the patient, healthcare system and professionals. (Irreg.)   |
| S WK    | 5413   | Social Work Practicum I   | Prerequisite: graduate standing in Social Work; 5103 or concurrent enrollment; permission of practicum coordinator. Professionally supervised foundation year practicum placement in an area social service agency. (F, Sp, Su)   |
| S WK    | 5423   | Social Work Practicum II  | Prerequisite: graduate standing in Social Work; S WK 5113 or concurrent enrollment; S WK 5413 or concurrent enrollment. A professionally supervised practicum placement in an area social service agency; continuation of S WK 5413. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| S WK    | 5490   | Research Investigations in Social Work            | 1 to 6 hours. Prerequisite: graduate standing and permission of instructor, advisor, and graduate program coordinator. May be repeated; maximum credit 12 hours. Initiation and completion of an individual or group research project dealing with some aspect of social work. Students are expected to demonstrate knowledge of the scientific method as applied to social work. Emphasis will be on student's capacity to elaborate implications of research findings for social work theory and practice. (F, Sp, Su)  |
| S WK    | 5503   | Advanced Direct Practice with Populations at Risk | Prerequisite: graduate standing in Social Work; concentration in Direct Practice; S WK 5013 or S WK 5313; or permission of instructor. Critical analysis of traditional and emerging social work practice approaches as well as advanced interviewing and assessment skills and techniques. Specific attention on the application of practice models in complex situations, particularly those involving populations at risk and diverse clients, behaviors, strengths, needs and values. (F)   |
| S WK    | 5553   | Human Services Administration                     | Prerequisite: graduate standing in Social Work; concentration in Administration and Community Practice; S WK 5013 or S WK 5313; or permission of instructor. First in a sequence of two advanced practice seminars in the school's administration and community practice concentration. Course content is based on a social systems model. Primary attention is given to the roles of administrator and planner in social work/social welfare settings. (F)   |
| S WK    | 5603   | Supervision and Consultation                      | Prerequisite: second-year graduate standing in Social Work or S WK 5013, concentration in administration and community practice, concurrent enrollment in S WK 5820, or permission of instructor. Addresses the development of skills in supervision and consultation of social work practice in agency context, and "supervision" and consultation tasks within a social systems context and supervisions challenges in a multicultural society. (F)   |
| S WK    | 5613   | Advanced Group Work                               | Prerequisite: graduate standing in Social Work; concentration in Direct Practice; S WK 5013 or S WK 5313; or permission of instructor. Advanced social group work practice using a social systems perspective to enhance well-being in the group context. (F, Sp)   |
| S WK    | 5623   | Advanced Social Work Practice with Families       | Prerequisite: graduate standing in Social Work; concentration in Direct Practice; S WK 5013 or S WK 5313; or permission of instructor. Provides an integrated learning experience in the theory and practice of social work with families. An overview of theories of family functioning and contemporary approaches to family-oriented practice which provides a systemic base for understanding and utilizing the helping process with special attention given to the design and implementation of practice evaluation. (F)   |
| S WK    | 5633   | Resource Development                              | Prerequisite: graduate standing in Social Work; concentration in Administration and Community Practice; S WK 5013 or S WK 5313; or permission of instructor. Enables students to obtain skills in planning and program implementation through development of funding proposals. (F)   |
| S WK    | 5713   | Adult Psychopathology                             | Prerequisite: graduate standing or permission of instructor. The study of adult psychopathology based on the current diagnostic and statistical manual of mental disorders. Several diagnostic categories will be addressed from a biopsychosocial perspective, emphasizing the theoretical foundation for these mental illnesses. (Irreg.)   |
| S WK    | 5733   | Mental Health Assessment and Diagnosis            | Prerequisite: graduate standing in social work or permission of instructor. Designed to assist the student in understanding and using the prevailing psychiatric taxonomic system, the diagnostic and statistical manual of mental disorders (DSM-IV-TR). Prepares students to function in clinical settings where familiarity with the DSM-IV-TR criteria and the multi-axial diagnostic framework is fundamental knowledge. Additionally, students will examine the benefits and risks of this psychiatric taxonomy in relationship to diversity, culture, prevention, treatment, and recovery from a mental illness. Therapeutic interventions including psychopharmacological strategies will be critically examined. Currently offered as an internet course. (Irreg.) |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| S WK    | 5753   | Child and Adolescent Psychopathology: Assessment and Treatment | Prerequisite: graduate standing in social work or permission of instructor. Provides an overview of clinical information necessary to effectively assess, diagnose and provide social work treatment for children and adolescents in need of mental health services. Currently offered as an internet course. (Irreg.)   |
| S WK    | 5763   | Community Organizing and Development                           | Prerequisite: graduate standing in Social Work; concentration in Administration and Community Practice; S WK 5013 or S WK 5313; or permission of instructor. Within this framework, several concepts, theories and approaches to practice are examined. Special attention is given to social problem identification, assessment, funding advocacy and related matters. (Sp)  |
| S WK    | 5816   | Practicum III - Direct Practice                                | Prerequisite: graduate standing in Social Work; concentration in Direct Practice; S WK 5503 and S WK 5613 OR S WK 5623; permission of Field Education Coordinator. Students must resolve any grades of Incomplete prior to enrollment. May be repeated; maximum credit 12 hours. Direct Practice Concentration-focused candidacy year professionally supervised practicum placement in an area social service agency. Part I of II. (F, Sp)  |
| S WK    | 5826   | Practicum IV - Direct Practice                                 | Prerequisite: graduate standing in Social Work; concentration in Direct Practice; S WK 5503 and S WK 5613 OR S WK 5623; permission of Field Education Coordinator; successful completion or good standing enrollment in S WK 5816. May be repeated; maximum credit 12 hours. Direct Practice Concentration-focused candidacy year professionally-supervised practicum placement in an area social service agency. Part II of II. (Sp, Su)  |
| S WK    | 5836   | Practicum III - Administration & Community Practice            | Prerequisite: graduate standing in Social Work; permission of Field Education Coordinator; S WK 5553 or concurrent enrollment; S WK 5633 or concurrent enrollment. May be repeated; maximum credit 12 hours. Administration and Community Practice concentration- focused candidacy year professionally supervised practicum placement in an area social service agency. Part I of II. (F)   |
| S WK    | 5846   | Practicum IV - Administration & Community Practice             | Prerequisite: graduate standing in Social Work; permission of Field Education Coordinator; successful completion of SWK 5836; S WK 5763 or concurrent enrollment, S WK 5983 or concurrent enrollment. Students must resolve any grades of Incomplete prior to enrollment. May be repeated; maximum credit 12 hours. Administration & Community Practice Concentration-focused candidacy year professionally supervised practicum placement in an area social service agency. Part II of II. (Sp) |
| S WK    | 5960   | Directed Readings  | 1 to 4 hours. Prerequisite: graduate standing in Social Work and permission of the department. Directed readings and/or literature reviews under the direction of a faculty member. May be repeated; maximum credit six hours. (F, Sp, Su)   |
| S WK    | 5970   | Special Topics/Seminar   | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| S WK    | 5973   | Advanced Integrative Seminar for Direct Social Work Practice   | Prerequisite: graduate standing in Social Work and S WK 5503. Seminar enables students to integrate learning experiences in direct practice through case-based learning. (Sp)  |
| S WK    | 5980   | Research for Master's Thesis                                   | Prerequisite: permission of instructor. Research for Master's thesis. Variable enrollment, two to six hours; maximum credit applicable toward degree: six hours. (F, Sp, Su)   |
| S WK    | 5983   | Program Monitoring and Evaluation                              | Prerequisite: graduate standing in Social Work and S WK 5553. Seminar enables students to integrate learning experiences in the administration and community practice concentration through monitoring and evaluation. (Sp)  |
| S WK    | 5990   | Independent Study  | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| S WK    | 5999   | Graduate Level Transfer Credit                                 | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| SAX     | 1999   | Lower Division Transfer Credit                            | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| SAX     | 2000   | Freshman and/or Sophomore Secondary Saxophone             | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| SAX     | 2020   | Saxophone for Music Majors: Freshman/Sophomore            | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| SAX     | 3440   | Mentored Research Experience                              | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| SAX     | 3999   | Upper Division Transfer Credit                            | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| SAX     | 4000   | Junior and/or Senior Secondary Saxophone                  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| SAX     | 4020   | Saxophone for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| SAX     | 5000   | Master's-Level Secondary Saxophone                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| SAX     | 5010   | Master's-Level Saxophone for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| SAX     | 5020   | Master's-Level Saxophone for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| SAX     | 5999   | Graduate Level Transfer Credit                            | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| SAX     | 6000   | Doctoral Secondary Saxophone                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| SAX     | 6010   | Doctoral Saxophone for Non-Performance Music Majors       | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| SAX     | 6020   | Doctoral Saxophone for Performance Majors                 | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |

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| Subject | Number | Title                               | Course Description   |
|---------|--------|-------------------------------------|--|
| SCM     | 1999   | Lower Division Transfer Credit      | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| SCM     | 3223   | Logistics Management                | (Crosslisted with MKT 3223) Prerequisite: Student must be approved for degree candidacy by Price College, Marketing 3013 or concurrent enrollment. The physical supply and distribution function in business management, including channel selection, transportation, facility location and materials management; concentrates on the analytical and managerial methods necessary for the development and control of an integrated logistics system. (F, Sp)   |
| SCM     | 3323   | Purchasing and Buyer Behavior       | (Crosslisted with MKT 3323) Prerequisite: Marketing 3013 and declared Marketing or Supply Chain Management major. Consumer and organizational buying processes are examined. Individual and organizational decision-making frameworks, information technology, and the external environment are studied in the context of forming marketing strategies and tactics. Topics include make or buy decision making; supplier development and outsourcing; supplier evaluation, selection, and management; buyer-seller relationships; purchasing capital goods and services; international and electronic commerce; information processing; social and economic influences; preference formation and change; and image creation and positioning. (F, Sp) |
| SCM     | 3440   | Mentored Research Experience        | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| SCM     | 3523   | Production/Operations Management    | Prerequisite: Student must be approved for degree candidacy by Price College. A study of the principles and practices related to production and operations management including product decisions, process planning, project planning, work measurement, plant location, facilities layout, scheduling and associated analytical techniques. (F, Sp)   |
| SCM     | 3960   | Honors Reading                      | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp, Su)   |
| SCM     | 3970   | Honors Seminar                      | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)  |
| SCM     | 3980   | Honors Research                     | 1 to 3 hours. Prerequisite: Admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp, Su)   |
| SCM     | 3990   | Independent Study                   | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)  |
| SCM     | 3999   | Upper Division Transfer Credit      | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| SCM     | 4003   | Transportation and Global Logistics | Prerequisite: Student must be approved for degree candidacy by Price College, all 3000-level Business core courses, MKT 3323 or SCM 3323 and SCM 3523. The concept of the global marketplace or global economy has taken on new meaning for all enterprises. This course will examine the contemporary issues and strategies in global transportation management and policy. Emphasis will be placed on evaluation of the impacts of transportation policies, new technologies, and strategic carrier and shipper management practices on the transportation industry in a more competitively economic and geopolitical environment. (F, Sp)   |



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| Subject | Number | Title                                     | Course Description   |
|---------|--------|---|--|
| SCM     | 4013   | Operations Planning and Control           | Prerequisite: 3523 or permission of instructor; student must be approved for degree candidacy by Price College; all 3000-level Core courses. Second operations management course for supply chain majors. Includes the typical operations planning and control. Addresses the design of OPC systems, typical tasks performed by the OPC system, key components of the OPC system, and product and process issues that affect the OPC system. Topic areas include demand management, sales and operations planning, inventory management, master production scheduling, material requirements planning, distribution requirements planning, capacity planning, production activity control, and ERP. (Sp)   |
| SCM     | 4323   | Supply Chain Management                   | Prerequisite: 3223 and declared Supply Chain Management major. Supply chain operating practices and principles (i.e., the fundamentals of materials and logistics management). Studies and analyzes the dynamic nature of supply chain management for products and services and addresses the impact of the global economy on the management process. The course also develops a solid grounding in the theory of supply chain design, which includes strategies for customer service, quality, logistics, inventory management, and integrated supply chain management. Includes forecasting, postponement, sourcing (in particular, global sourcing), network design, and virtual integration (web-centric) and illustrates these concepts through cases. (Sp) |
| SCM     | 4710   | Special Topics in Supply Chain Management | Prerequisite: Student must be approved for degree candidacy by Price College, all 3000-level Business core courses. May be repeated with change of subject matter; maximum credit six hours with 18 hour major and three hours with 15 hour major. (Irreg.)  |
| SCM     | 4960   | Directed Readings                         | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)  |
| SCM     | 4970   | Special Topics/Seminar                    | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| SCM     | 4990   | Independent Study                         | 1 to 3 hours. Prerequisite: Senior standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| SCM     | 5502   | Supply Chain Management                   | Prerequisite: graduate standing; departmental permission. Study and analysis of supply chain management for products/services and the dynamic interaction of companies within an integrated supply chain. Topics include: factor guiding companies supply chain development/management; technology as a supply chain tool; positioning of a company in terms of its role as a valuable member of the supply chain; and performance measures used across the supply chain. (F)  |
| SCM     | 5522   | Production/Operations Management          | Prerequisite: graduate standing, departmental permission, and Mathematics 1743 or equivalent. Examines selected topic areas in operations management and widely recognized approaches to dealing with them. The problem areas include process and capacity design, location selection, forecasting, statistical quality control, process layout, project-management, and material requirements planning. The course involves the application of mathematical modeling as well as understanding the fundamental concepts and terminology associated with the production of goods/services. (Irreg.)   |
| SCM     | 5960   | Directed Readings                         | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)   |

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| Subject | Number | Title                                      | Course Description   |
|---------|--------|--|--|
| SCM     | 5970   | Special Topics/Seminar                     | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| SCM     | 5990   | Independent Study                          | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| SCM     | 5999   | Graduate Level Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| SOC     | 1003   | Introduction to Women's and Gender Studies | (Crosslisted with WGS 1003) Examines women's issues and movements in the United States and globally, with a focus on the pervasive role of gender in people's lives and on the ways it is used to create privilege for some and oppress others. Through readings, films, class discussions, and guest speakers, this course is designed to challenge traditional, normative notions about gender and sexuality, which are inextricably entwined. Also explores ways other markers of difference, such as disability, race, and religion, intersect with gender identity and sexual identity. (F, Sp, Su) [IV-WC] |
| SOC     | 1113   | Introduction to Sociology                  | The fundamental concepts of sociology; foundations of group life; social change, processes, and problems. (F, Sp, Su) [III-SS]   |
| SOC     | 1523   | Social Problems                            | Analysis of major social problems of contemporary U.S. and policy debates concerning them. Examination of social science theory and research that are relevant to understanding these problems. Development of social institutions in which social problems occur. (F, Sp, Su) [IV-WC]   |
| SOC     | 1999   | Lower Division Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| SOC     | 2523   | Global Social Problems                     | Provides an overview of pressing global social problems with attention to developing insights into the conceptual analyses of meaningful solutions from a sociological perspective. Readings discuss the relationships among various levels of the social system, so that social roots of pressing issues are recognized and used as a tool to suggest alternative approaches to address them. (Irreg.) [III-SS]   |
| SOC     | 2970   | Special Topics                             | 1 to 3 hours. May be repeated; maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)   |
| SOC     | 3123   | Social Statistics                          | (Crosslisted with P SC 3123) Prerequisite: SOC 1113 and any General Education Math EXCEPT Philosophy 1113 or Philosophy 3113. Descriptive and inferential statistics as they are used in sociology to analyze survey and macro-level data. Problems of research design and interpretation of analysis in sociological theory are major topics. A grade of C or better in this course is a prerequisite for Sociology capstone courses. (F, Sp, Su)   |
| SOC     | 3133   | Methods of Social Research                 | Prerequisite: SOC 1113 and any General Education Math EXCEPT Philosophy 1113 or Philosophy 3113 or permission of instructor. Basic elements of the scientific method as applied to the study of human group life. Examines the problem of conceptualization, the formulation of hypotheses, designs of proof, the interdependence of theory and fact and the techniques and procedures for assembling and ordering of data. A grade of C or better in this course is a prerequisite for Sociology capstone courses. (F, Sp, Su)  |
| SOC     | 3353   | Race, Class and Gender                     | (Crosslisted with WGS 3353) Prerequisite: junior standing or permission of instructor. Explores the intersections of race, ethnicity, class, gender and sexuality. Focus is on how systems of power and oppression reinforce each other, how they intersect in shaping social structure and individual experiences, and how the systems of oppression are mutually reinforcing. Theories and practice of intersectionality, how gender, race, class and other categories of identity are constructed and reproduced in social, political and economic structures, and experienced in every day life. (F, Sp)     |

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| Subject | Number | Title                             | Course Description  |
|---------|--------|-----------------------------------|---|
| SOC     | 3363   | Sociological Theory               | Prerequisite: SOC 1113 and majors only. Consideration of classical sociologists including Durkheim, Weber, and Marx. Attention is devoted to the application of classical theories to current research issues. (F, Sp)  |
| SOC     | 3440   | Mentored Research Experience      | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| SOC     | 3523   | Criminology                       | Prerequisite: 1113 or sophomore standing. A study of the nature and causes of various forms of deviant and illegal behavior, especially serious personal injury and property crimes (e.g., homicide, burglary). While some consideration is given to biological and psychological explanations, the primary focus is on sociological theories that attempt to explain crime, criminality, and victimization in modern societies. (F, Sp)                                      |
| SOC     | 3533   | The System of Criminal Justice    | Prerequisite: 1113 or permission of instructor. An analysis of the sociological literature on the American system of criminal justice, viewed as a system of social control. Emphasis is on the functional significance of the system in relation to the various interests represented in the law. Attention given to special problems in each of the major components of the system: law enforcement, the administration of justice and corrections. (F, Sp)                 |
| SOC     | 3543   | Sociology of Deviance             | Prerequisite: 1113 or permission of instructor. The sociological study of deviant behavior with emphasis on so-called victimless crimes (e.g., drug use) and on normative violations that are not necessarily illegal (e.g., mental illness). Focus is on sociological theories and processes by which behaviors are defined as deviant, and how these definitions affect the individual. (F, Sp)   |
| SOC     | 3553   | Sociology of Law                  | Prerequisite: 1113 or permission of instructor. Provides a sociological understanding of the interrelationship between law and society. Covers the origins of law, types of legal systems, theories of punishment, and examines law as an independent variable (i.e., as a mechanism for social change) and as a dependent variable (i.e., how laws are created or changed by social pressure). (F, Sp)   |
| SOC     | 3603   | Sociology of Education            | Prerequisite: 1113. Examines a variety of historical and contemporary educational issues. Major themes include the function of education in society, racial/ethnic segregation in public schools, the relationship between education and social mobility, and school reform (Irreg.)  |
| SOC     | 3623   | Racial and Ethnic Minority Groups | Prerequisite: SOC 1113 or permission of instructor. Intergroup conflict resulting from the efforts of subordinate groups. Consideration of theories of prejudice and discrimination as devices of control over racial, religious, ethnic and other minority groups. (Irreg.)  |
| SOC     | 3643   | Population and Society            | Prerequisite: SOC 1113 or permission of instructor. Introduction to population study. Analysis of human mortality, fertility and migration. Evaluation of demographic theories with emphasis on social and cultural factors. (Irreg.)   |
| SOC     | 3653   | Race and Religion                 | Prerequisite: SOC 1113 or permission of instructor. Focuses on how race and ethnic issues influence, and are influenced by, religion within the United States. Looks at historical and theoretical examinations of religion and race/ethnic relations and empirical evidence of the ways religion can influence racial issues such as racism, discrimination and stratification. (Irreg.)   |
| SOC     | 3683   | Wealth, Power, and Prestige       | Prerequisite: 1113 or sophomore standing or above. Examines the systems in which the central elements of class stratification--wealth, power, and prestige--are created and distributed and addresses the issue of "who gets how much and why?". Topics include a review of the theories and evidence in current stratification studies and an assessment of the racial, ethnic, and religious correlates of inequality. (F, Sp)  |

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| Subject | Number | Title                              | Course Description  |
|---------|--------|------------------------------------|---|
| SOC     | 3713   | Medical Sociology                  | Prerequisite: 1113 or permission of instructor. A study of cultural and class factors in health and morbidity. Focus is on the social organization of medical services, including discussion of the hospital as a social institution. The role of medical and paramedical personnel and the interaction of the medical system with other social institutions such as government, church, education, and family. (Irreg)   |
| SOC     | 3723   | Sociology of Family                | Prerequisite: 1113 or sophomore standing or above. The sociological study of the family as an institution; the origin and development of the family; the interrelationships of the family and the larger society; the environmental conditions which seem to favor the development and continuance of the major family forms; the rise of the modern democratic family; characteristic patterns of change in the contemporary family. (F, Sp)   |
| SOC     | 3733   | Sociology of Gender                | Prerequisite: 1113 or permission of instructor. Sociological analysis of the reinforcement of gender roles by the major institutions of society. Examine the effects on gender roles of education, mass media, economics, public policy, law, religion, and society. (Irreg)  |
| SOC     | 3753   | Sociology of Africa                | Prerequisite: 1113 or permission of instructor. A systematic consideration of Africa. Topics include issues of cultural uniqueness and national character, population dynamics, family structures and values, and economic and political institutions. Emphasis is placed on a global perspective and encourages cross-national contrasts. (Irreg) [IV-NW]  |
| SOC     | 3763   | Sociology of Ireland               | Prerequisite: SOC 1113 and ENGL 1213 or EXPO 1213. May be repeated once with change of location; maximum credit 6 hours. Focuses on Irish identities. Focus will be on national identity including ethnicity, religion, and politics. Covers identity issues related to social class, gender, sports and local identity (such as Corkonians identification as "The Rebels"). This course may count as Sociology elective credit. The course will be held either in Ireland as a four-week Summer course, primarily in Cork, or as a regular semester course in Norman. (Irreg.)                 |
| SOC     | 3773   | Sociology of Religion              | Prerequisites: SOC 1113 or sophomore standing. Using the perspectives and methods of social science, and particularly sociology, the common social dimensions of all religions including moral definitions; micro-level processes of membership, conversion and socialization; the life-cycle of religious institutions; and religion's relationship to health, science, and important institutions like the American family, economy, and politics will be examined. (F, Sp, Su)   |
| SOC     | 3783   | Sports, Competition, & Society     | Prerequisite: SOC 1113 or sophomore standing. This course adopts a sociological approach to understanding sports, athletic performance, and competition. Specific components include an examination of individual athletes, competitive groups, and how sports mirrors society in allocating roles, offering rewards and punishments, transmitting values, and confronting deviance. The course also draws attention to how sports evolve over time from technological advances. (Irreg.)   |
| SOC     | 3803   | Inequality in A Global Perspective | Prerequisite: SOC 1113 or sophomore standing or above. Examines the causes and consequences of socioeconomic inequality in contemporary societies (including the United States) by using theories and research evidence from the vantage point of international political economy. Topics include the nature, structure, and hierarchy of the global economy; the link between international and national distributions of wealth and power; and the racial, ethnic, and religious correlates of social inequality. (Irreg.)  |
| SOC     | 3813   | Individual and Society             | Prerequisite: 1113 or permission of instructor. Introduction to social psychological theories and findings. Covers socialization, identity development, emotions, social interaction, deviant behavior, and small group behavior. (Irreg.)  |
| SOC     | 3823   | Work, School, and Play             | Prerequisite: SOC 1113 or sophomore standing or above. The study of organizations that structure our everyday lives at work, school, and play. Examples span the broad range of formal groups of which students are members, including internships, volunteer/paid work, fraternities/sororities, academic clubs, religious/charitable affiliations, and sports/recreation leagues. Emphasis will be placed on drawing comparisons across organizational types in terms of their structure, function, and dynamics, including rewards/punishments, power/conflict, and change/inertia. (Irreg.) |

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| Subject | Number | Title                                  | Course Description  |
|---------|--------|--|---|
| SOC     | 3843   | Sociology of Aging                     | Prerequisite: 1113 or permission of instructor. Comprehensive description of the dimensions of aging. The point of departure is the notion that to talk meaningfully about one aspect of aging requires consideration of its other dimensions. (Irreg)  |
| SOC     | 3853   | Sociology of the Body                  | Prerequisite: SOC 1113. Examines various forms of body modification from a sociological perspective. We will begin by learning the more popular sociological theories on the body, particularly the docile/disciplined and the carnivalesque/grotesque body. The next section of the course will focus on body modification conceptualized as "body art" with a particular focus on tattooing and piercing, but also covering scarification and other (permanent) forms of body art. The third section will focus on normalization surgeries or surgeries of the "disabled". The final section of the course will focus on cosmetic (as opposed to plastic) surgery as a method of modification. As we move from one section to the next, students should consider the legitimacy or limitations of the above categorization scheme. (Sp) |
| SOC     | 3873   | World Religions and Society            | Prerequisite: sophomore standing. The course examines the major world religions, how they develop historically and in the context of other social institutions. Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, Islam, and Native Traditions will be considered. Students will study how religious institutions are influenced by, and have an influence on, societies and the people in them. (F, Sp)   |
| SOC     | 3890   | Special Topics For Non-Majors          | Special Topics For Non-Majors. 1 To 3 Hours. Prerequisite: 1113 Or Permission Of Instructor. May Be Repeated With Change Of Content; Maximum Credit Six Hours. This Course Cannot Be Used To Satisfy The Major Requirements In Sociology. (F, Sp, Su)   |
| SOC     | 3893   | Environment, Ecology and Society       | Prerequisite: SOC 1113 or permission of instructor. Examines relationships between environmental factors and human social arrangements. The class will be organized around these and a number of related topics, which will help to shape the readings, lectures, and discussions. (Irreg.)   |
| SOC     | 3900   | Special Topics in Sociology            | 1 to 3 hours. Prerequisite: 1113 or permission of instructor. May be repeated with change of content; maximum credit six hours. Cover topics not currently offered in regularly scheduled courses. (Irreg)  |
| SOC     | 3903   | Gangs and Violence                     | Prerequisite: 1113 and 3523. The course provides an overview of the gang problem in the United States, both historically and as presently defined. Will examine different theories about gangs and gang membership and will examine different types of gangs. (Irreg.)  |
| SOC     | 3913   | The Death Penalty in the United States | Prerequisite: 1113 and 3523. Provides an overview of capital punishment in the United States, and Oklahoma in particular, from a sociological perspective. History of capital punishment in the United States specific cases related to the death penalty, and arguments for and against the use of capital punishment. (Irreg.)  |
| SOC     | 3923   | Alcohol, Drugs and Society             | Prerequisite: 1113 and 3523. Explores sociological explanations of alcohol and drug use with a special emphasis on current issues in the United States. (Irreg.)  |
| SOC     | 3953   | Juvenile Justice                       | Prerequisite: 1113 or permission of instructor. Course examines criminal measurement of juvenile crime, theories of delinquency, legal rights of juveniles and the juvenile justice system. (Irreg.)  |
| SOC     | 3960   | Honors Reading                         | 1 to 3 hours. Prerequisite: 1113 and permission of instructor and admission to Honors Program. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (Irreg)  |
| SOC     | 3963   | Sexual Deviance and Society            | Prerequisite: 1113 and 3523. A critical examination of the sociology of deviant sexual behaviors. Investigations of deviance, criminology and gender through the study of sexual behavior, sex crimes, and victimology. (Irreg.)  |
| SOC     | 3973   | Sociology of Violence                  | Prerequisite: SOC 1113 and SOC 3523. An examination of the causes, correlates and consequences of various forms of violent crime. An emphasis on the social nature of violence, social institutions related to violence and the social costs of violence. (F, Sp)   |
| SOC     | 3980   | Honors Research                        | 1 to 3 hours. Prerequisite: 1113 or permission of instructor and admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted Honors candidate to work at a special project in the student's field. (Irreg)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| SOC     | 3983   | Women, Girls and Crime                         | (Crosslisted with WGS 3983) Prerequisite: SOC 1113 and SOC 3523, or permission of instructor. In-depth examination of crime and the justice system as it relates to girls and women. The focus will be on girls and women as victims, girls and women as offenders, and criminal justice responses to girls and women. (F, Sp)  |
| SOC     | 3990   | Independent Study                              | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| SOC     | 3993   | Sociology of Gender and Sexuality in the Media | Prerequisite: junior standing. The sociological constructions of gender and sexuality will be examined through the context of several forms of American media including advertising, television, and film. Explores how manifestations of "normative" behaviors are reproduced and maintained through media representations of gender and sexuality. Using a sociological perspective, advertising, television, and film as they relate to societal shifts in attitudes toward gender and sexuality from the 1980s to present day will be critically examined. Designed to "push the limits" and encourage students to question their conceptualizations of gender and sexuality using a critical sociological lens. (Irreg.)   |
| SOC     | 3999   | Upper Division Transfer Credit                 | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| SOC     | 4163   | Advanced Social Statistics                     | Prerequisite: 1113, 3123 (B or better), 3133 (B or better); or permission of instructor. Statistical inference, applied multiple regression and multivariate analysis will be covered. Computer applications using statistical packages and sociological data will be included. No prior computer background is assumed. (Irreg.)   |
| SOC     | 4603   | Internship in Sociology                        | Prerequisite: SOC 1113, SOC 3123, SOC 3133, and at least two of the following: SOC 3523, SOC 3533, SOC 3543, SOC 3553, SOC 3623, SOC 3683, SOC 3723, SOC 3733. Work experience in the field of sociology under the supervision of a faculty member. While the instructor will assist in finding internship opportunities, the ultimate responsibility is with the student. Internships may be served in any setting related to the field of sociology. Student will be required to develop a paper linking the work experience to scholarly research in sociology. (F, Sp, Su)  |
| SOC     | 4843   | Capstone in Criminology                        | Prerequisite: SOC 1113, SOC 3123 (C or better), SOC 3133 (C or better), and at least two of the following: SOC 3523, SOC 3533, SOC 3543, SOC 3553, and permission of instructor. As a key component of this course, students will actively participate in an in-depth analysis and discussion of a current research topic or topics in the sociological study of criminology (crime and delinquency, deviance, sociology of law, criminal justice). Students will be expected to use material they have learned in Sociology 3123 and 3133, as well as material in 3000-level substantive courses, and will be required to demonstrate in written assignments their ability to understand and critique current quantitative research. Other topics in the course will be at the discretion of the instructor but within the University guidelines for Capstone courses. (F, Sp) [V] |
| SOC     | 4943   | Capstone in General Sociology                  | Prerequisite: SOC 1113, SOC 3123 (C or better), SOC 3133 (C or better), and at least two of the following: SOC 3363, SOC 3523, SOC 3623, SOC 3643, SOC 3683, SOC 3713, SOC 3723, SOC 3733, SOC 3753, and permission of instructor. As a component of this course, students will actively participate in an in-depth analysis and discussion of a current research topic or topics in sociology. Students will be expected to use material they have learned in Sociology 3123 and 3133, as well as material in substantive courses, and will be required to demonstrate their ability to understand and critique research. (F, Sp) [V]  |
| SOC     | 4960   | Directed Readings                              | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |

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| Subject | Number | Title                                   | Course Description  |
|---------|--------|---|---|
| SOC     | 4970   | Special Topics/Seminar                  | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| SOC     | 4990   | Independent Study                       | 1 to 3 hours. Prerequisite: Fifteen hours of Sociology (including 1113, 3123, 3133) and permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| SOC     | 5013   | History and Theory of Urban Planning    | (Crosslisted with P SC and RCPL 5013) Prerequisite: open to seniors in social science departments, civil engineering and architecture, and to graduate students in regional and city planning. An introductory course on the history and theory of contemporary planning, focusing on the physical, social, institutional and economic structure and dynamics of human settlements, and on the role and responsibilities of the professional planner. (F) |
| SOC     | 5033   | Sociology of Housing                    | (Crosslisted with RCPL 5033) A study of major developments in housing in the U.S. since 1860, including housing reform agitation, sociological problems, ecological patterns of housing areas, minimum standards for healthful housing, government intervention and its current role, and problems of providing adequate housing for different social groups. (F)   |
| SOC     | 5203   | Urban Land Use Controls                 | (Crosslisted with P SC and RCPL 5203) Prerequisite: open to seniors in social sciences, civil engineering and architecture, and to graduate students in regional and city planning. Provides a study of the historical development of property systems; of zoning law, ordinance preparation, and administrative procedures; of subdivision regulations and other codes used in the regulation and control of land use. (Sp)                              |
| SOC     | 5283   | Fundamentals of Sociological Statistics | Prerequisite: SOC 3123 and SOC 3133, or graduate standing in Sociology, or permission of instructor. Advanced statistical concepts and analysis; analysis of variance and covariance; multiple regression analysis; use of computers for statistical analysis. (Irreg.)   |
| SOC     | 5293   | Advanced Methods of Social Research     | Prerequisite: SOC 3123 and SOC 3133, or graduate standing in Sociology, or permission of instructor. Advanced research methodology; heavy focus of attention will be on concept measurement, index formation and survey research. (Irreg.)  |
| SOC     | 5313   | Qualitative Research Methods            | Prerequisite: graduate standing. Survey of different qualitative methodological strategies used in the social sciences to collect, code, and analyze information. (Sp)  |
| SOC     | 5323   | Advanced Qualitative Research           | (Crosslisted with COMM 5323) Prerequisite: 5313. Designed to immerse students in the actual experience of conducting qualitative research in the field, emphasis on participatory observation, ethnographic research, and textual analysis. (F)   |
| SOC     | 5333   | Seminar in the Criminal Justice System  | Prerequisite: graduate standing in Sociology or permission of instructor. A critical examination of the American system of criminal justice. Attention will be given to the unique problems of the system and to each of its component parts. Special emphasis will be placed on the role of extralegal factors in discretionary decision-making by the principal actors within the system. (Irreg.)  |
| SOC     | 5383   | Social Stratification                   | Prerequisite: graduate standing in Sociology or permission of instructor. In-depth treatment of sociological theories, methods and research in the area of stratification and inequality. (Irreg.)  |
| SOC     | 5483   | Advanced Regression Analysis            | Prerequisite: SOC 5283 and graduate standing in Sociology or permission of instructor. A graduate-level introduction to linear regression analysis. Focuses on theory and empirical applications including topics such as model specification, estimation, interpretation, inferences, and assumptions diagnostics. (Irreg.)  |
| SOC     | 5523   | Criminology                             | Prerequisite: graduate standing in Sociology or permission of instructor. Examines the patterns and correlates of crime at the individual, situational, and aggregate levels. Also includes examination of the history of criminological thought as well as contemporary explanations of crime, with an emphasis on critical evaluation of these explanations. (Irreg.)   |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| SOC     | 5543   | Deviance and Social Control                          | Prerequisite: graduate standing in Sociology or permission of instructor. A critical examination of the literature on deviance and social control with special emphasis on the scope of the field. The frame of reference for the examination will consist of one or more of the major theoretical perspectives in sociology: the functional, the conflict and the symbolic interactionist. (Irreg.)   |
| SOC     | 5623   | Race and Ethnicity                                   | Prerequisite: graduate standing in Sociology or permission of instructor. Review of concepts and terminology of social differentiation, and in-depth study of the theories of prejudice and discrimination, power and dominance, and patterns of inter-group relations. Includes a history and analysis of race and ethnicity in the United States and other selected countries. (Irreg.)  |
| SOC     | 5703   | Sociology of Education                               | (Crosslisted with EDS 5703) Prerequisite: eight hours of education or permission. Social structure in the community wherein the schools must operate, and the nature of human relations within the school; social processes and patterns involved in our educational system relative to other aspects of our society; effect of the school on the behavior and personality of its participants. Lectures, class discussions, audiovisual materials and outside readings, both scientific and literary, portraying the American social scene. (F) |
| SOC     | 5723   | Sociology of the Family                              | Prerequisite: graduate standing in Sociology or permission of the instructor. Analysis of the family as a social institution, focusing on the problems created by changes in the family. The family is examined in historical, cross cultural and demographic perspectives. Applications include consideration of alternative arrangements, including discussion of the probable future of family arrangements in Western society. (Irreg.)  |
| SOC     | 5733   | Sociology of Gender                                  | Prerequisite: graduate standing in Sociology or permission of instructor. Theoretical and empirical approaches to the study of gender within several substantive areas of sociology such as family, work, race and ethnicity, and social class. (Irreg.)   |
| SOC     | 5790   | Special Sociological Issues                          | 2 to 3 hours. Prerequisite: graduate standing in Sociology and permission of instructor. May be repeated with change of content; maximum credit 12 hours. Intensive survey of the literature in a selected area of sociology under the direction of a member of the staff. Instructors rotate each semester. (Irreg.)  |
| SOC     | 5823   | Social Demography                                    | Prerequisite: graduate standing in Sociology or permission of instructor. Introduction to the four variables that comprise the subject matter of demography: fertility, mortality, migration, and age structure. Sources of demographic data for the study of these variables are examined and basic demographic statistics are covered. (Irreg.)  |
| SOC     | 5831   | Teaching Seminar                                     | Prerequisite: graduate standing in Sociology. Preparation for teaching sociology. Taken prior to assignment of sole responsibility for teaching a course in sociology. (Irreg.)  |
| SOC     | 5832   | Professionalization Seminar                          | Prerequisite: graduate standing in Sociology. Prepares students for careers in academia. Comprised of units covering research and service. (Irreg.)  |
| SOC     | 5833   | Social Psychology                                    | Prerequisite: graduate standing in Sociology or permission of instructor. Examines issues regarding research in social psychology and personality psychology. Addresses the history of social psychology research issues, some class controversies, and new research directions in the field. Specific topics include social cognition attitudes, attribution, the self, groups, expectation states, collective behavior, the life course. (Irreg.)  |
| SOC     | 5873   | Advanced Perspectives in World Religions and Society | Prerequisite: graduate standing. The course considers theoretical perspectives on religion. In connection with that, it examines the major world religions, including how they developed historically and in the context of other social institutions. The course examines how religious institutions are influenced by, and have an influence on, societies and the people in them, considering the contemporary world in its comparative and historical context. (Irreg.)  |
| SOC     | 5893   | Seminar in Environment and Society                   | Prerequisite: graduate standing. Explores the human interface with the natural environment through the sociological perspective, particularly in the late industrial era. How social development, population and technology impact the environment will be studied. Considering ways to think about the complex array of environmental issues as society moves into the Third Millennium will conclude the course. (Irreg.)  |



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| Subject | Number | Title   | Course Description   |
|---------|--------|---|--|
| SOC     | 5933   | Sociological Theory                               | Prerequisite: graduate standing in Sociology or permission of instructor. Intensive analysis of the original writings of classical sociologists including Durkheim, Weber and Marx. Attention is devoted to the application of classical theories to current research issues. (Irreg.)   |
| SOC     | 5943   | Inequality in a Global Perspective                | Prerequisite: graduate standing in Sociology or permission of instructor. Provides an in-depth review and analysis of the sociological concepts and theories used to study how wealth (and its correlates, power and prestige) are created and distributed. Special emphasis is placed upon how these processes occur within a global system. (Irreg.)   |
| SOC     | 5960   | Directed Readings in Sociology                    | Prerequisite: Graduate standing, twelve hours of upper-division sociology. No more than six hours may be counted toward the M.A. degree. No more than twelve hours may be counted toward the Ph.D. degree. Intensive survey of literature in a selected area of sociology under the direction of a sociology faculty member. (F, Sp, Su)   |
| SOC     | 5963   | Social Change, Cultures and Development in Africa | Prerequisite: graduate standing in Sociology or permission of instructor. Focuses on social change and cultures of Africa. Considers how the discipline of Sociology can explain African social issues, social change, and economic development. Consider Africa's integration into the global political economy and read the leading books published in this area in order to understand how culture, society, and structural position come together to shape life chances on the African continent. (Irreg.) |
| SOC     | 5970   | Special Topics/Seminar                            | 1 to 3 hours. Prerequisite: graduate standing in Sociology or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| SOC     | 5980   | Research for Master's Thesis                      | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)   |
| SOC     | 5990   | Independent Study                                 | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| SOC     | 5999   | Graduate Level Transfer Credit                    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| SOC     | 6233   | Advanced Sociological Statistics                  | Prerequisite: SOC 5283, SOC 5293, SOC 5483, and graduate standing in Sociology or permission of the instructor. Specialized treatment of theoretical and applied topics in research methodology for advanced students. Primary focus is placed upon survey research. (Irreg.)  |
| SOC     | 6243   | Advanced Quantitative Analysis                    | Prerequisite: SOC 5283, SOC 5293, SOC 6233, and graduate standing in Sociology, or permission of instructor. Instruction and extensive hands-on experience in categorical data analysis, structural equation modeling, repeated measure analysis of variance, longitudinal analysis, and confirmatory factor analysis. (Irreg.)  |
| SOC     | 6343   | Special Topics in Criminology                     | Prerequisite: graduate standing in Sociology or permission of instructor. May be repeated; maximum credit 12 hours. Covers in depth one significant topic in the area of criminology such as, but not limited to, deterrence, longitudinal research, ecology of crime, drugs and alcohol, societal reaction theory, macro-normative theory, micro-normative theory, penology, mental illness, victimology, and violence. (Irreg.)  |
| SOC     | 6353   | Special Topics in Demography                      | Prerequisite: graduate standing in Sociology or permission of instructor. May be repeated; maximum credit 12 hours. Covers in depth a topic in the area of demography such as, but not limited to, migration, mortality, fertility, population composition, and segregation. (Irreg.)  |
| SOC     | 6363   | Special Topics in Social Differentiation          | Prerequisite: graduate standing in Sociology or permission of instructor. May be repeated with change of content; maximum credit 12 hours. Covers in depth one significant area of social differentiation such as, but not limited to, racial prejudice/discrimination, status attainment, poverty and welfare, work and occupations, community power and social elites. (Irreg.)  |

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| Subject | Number | Title                                | Course Description   |
|---------|--------|--------------------------------------|--|
| SOC     | 6373   | Special Topics in the Family         | Prerequisite: graduate standing in Sociology or permission of instructor. May be repeated; maximum credit 12 hours. Considers, but is not limited to, such topics as family violence, divorce and remarriage, family and work and methodological issues in family research. (Irreg.)   |
| SOC     | 6503   | Women and Crime                      | Prerequisite: graduate standing in Sociology or instructor permission. Provides an in-depth examination of women and crime, primarily in the United States, from a sociological perspective, focusing on theoretical explanations, women as offenders, women as victims of crime, and societal responses to female crime. (Irreg.)   |
| SOC     | 6513   | The Death Penalty                    | Prerequisite: graduate standing in Sociology or instructor permission. Provides an overview of capital punishment in the United States, and specifically in Oklahoma, from a sociological perspective. Covers the history of capital punishment, specific cases related to the death penalty, and the arguments in favor of and opposed to the use of capital punishment. (Irreg.)   |
| SOC     | 6753   | Historical and Comparative Sociology | Prerequisite: graduate standing in Sociology or permission of instructor. Examines how religious, educational, economic, and political institutions influence peoples lives from a historical and comparative perspective. Examines general principles and conditions for how societies evolve over time. (Irreg.)   |
| SOC     | 6833   | Seminar in Mortality                 | Prerequisite: graduate standing in Sociology or permission of instructor. Introduction to the study of human mortality from the perspective of social demography. Examines how different aspects of social stratification and different variables in the social environment are associated with risks of mortality by age and cause of death. Also, examines the implications for health promotion and public policy. (Irreg.)                                       |
| SOC     | 6843   | Seminar in Fertility                 | Prerequisite: graduate standing in Sociology or permission of instructor. Focuses on fertility and its impact on society. Examines the contribution of family planning programs and economic development to fertility change. Examines fertility behavior within gender roles and social norms. (Irreg.)   |
| SOC     | 6853   | Seminar in Migration and Immigration | Prerequisite: graduate standing in Sociology or permission of instructor. Examines migration and immigration with a special focus on recent immigration to the United States. Examines migration and immigration from three perspectives: why do people migrate, how do migrants adapt to the receiving society, and the impact migrants have on the receiving society. (Irreg.)   |
| SOC     | 6903   | Issues in Sociological Theory        | Prerequisite: SOC 5933 and graduate standing in Sociology or permission of instructor. M.A. students may enroll only once; Ph.D. students may repeat the course once with a change of topic; maximum credit six hours. Examines a particular sociological theory in detail at a level appropriate for students who have completed SOC 5933. Topics will vary and may include conflict theory, functionalism, symbolic interactionism, exchange theory, etc. (Irreg.) |
| SOC     | 6960   | Directed Readings                    | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)   |
| SOC     | 6970   | Special Topics/Seminar               | 1 to 3 hours. Prerequisite: graduate standing in Sociology or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| SOC     | 6980   | Research for Doctoral Dissertation   | Research For Doctoral Dissertation. (F, Sp, Su)  |
| SOC     | 6990   | Special Studies in Sociology         | 1 to 4 hours. Prerequisite: eighteen hours of sociology and permission of instructor. Individual research in a selected field; a problem is analyzed under the direction of a member of the staff. (F, Sp)   |

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| Subject | Number | Title                                      | Course Description   |
|---------|--------|--|--|
| SPAN    | 1013   | Spanish for Reading Proficiency            | Prerequisite: graduate standing. Designed for graduate students whose major area of study may include primary and secondary sources in Spanish. Students learn the basic grammar necessary to read Spanish academic prose. In addition, includes learning the skills to be able to skim and determine the importance of a given text and to understand its main ideas. Improves reading proficiency in Spanish. Does not count for major credit in the Department of Modern Languages, Literatures, and Linguistics. (F)   |
| SPAN    | 1023   | Spanish for Reading Proficiency, Continued | Prerequisite: graduate standing and SPAN 1013. This course is a continuation of SPAN 1013. The goal of the course is to provide a reading knowledge of the Spanish language. Students will learn grammatical structures, vocabulary, and idiomatic expressions. By the end of the course, students will be able to read Spanish academic prose with the help of a dictionary. This course is taught in English and translation work done is from the target language, Spanish into English. The focus of this course is reading and translating, activities will include grammatical explanation, review of homework, and group translation of sentences and passages. This course does not count for major credit in the Department of Modern Languages, Literatures, and Linguistics. (Sp) |
| SPAN    | 1115   | Beginning Spanish                          | An elementary course in understanding, speaking, reading and writing Spanish. Laboratory. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F, Sp, Su) [I-FL]   |
| SPAN    | 1225   | Beginning Spanish (Continued)              | Prerequisite: 1115. An elementary course in understanding, speaking, reading and writing Spanish. Laboratory. This course does not count for major credit in the Department of Modern Languages, Literatures and Linguistics. (F, Sp, Su) [I-FL]   |
| SPAN    | 1999   | Lower Division Transfer Credit             | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| SPAN    | 2113   | Intermediate Spanish                       | Prerequisite: 1225 or equivalent. Develops reading skills and control of grammar while cultivating depth of oral and writing ability. Emphasis on expansion of vocabulary and strong reinforcement of grammatical structures. Reading and discussion of texts of literary and cultural interest. Oral and written assignments. (F, Sp, Su).  |
| SPAN    | 2223   | Intermediate Spanish Continued             | Prerequisite: 2113. Refines reading skill and mastery of grammar. Emphasis on sophisticated vocabulary and understanding of grammatical structures. Literary and cultural texts discussed in oral and essay form. (F, Sp, Su)  |
| SPAN    | 2603   | Spanish for Social Work Majors             | Prerequisite: social work major and SPAN 1225 or equivalent. Designed to prepare students for an intermediate proficiency in Spanish. An expansion of vocabulary and grammatical structure used in practice settings commonly experienced by social workers is emphasized. This course may not count for credit for any major other than social work. (F, Sp)  |
| SPAN    | 2970   | Special Topics/Seminar                     | 1 to 3 hours. May be repeated; maximum credit nine hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)   |
| SPAN    | 3073   | Grammar in Conversational Communication    | Prerequisite: SPAN 2223. Aim is to improve students' conversational skills through an active use of the Spanish language. By using a contextualized content-based approach, focuses on seven core communicative functions and engages in meaningful communicative practices through listening and speaking activities related to cinema and other forms of cultural production. (F, Sp)  |
| SPAN    | 3423   | Grammar in Written Communication           | Prerequisite: SPAN 2223. Further develops communicative abilities as well as increasing students' knowledge and ability to produce a variety of forms of cultural production in the Spanish language. Writing as a process that includes brainstorming, organization, outline, drafts and revisions will be learned. Familiarity with authentic texts written in different styles will be developed. (F, Sp)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| SPAN    | 3440   | Mentored Research Experience                    | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| SPAN    | 3723   | Business Spanish                                | Prerequisite: SPAN 3073. Designed to develop an understanding of the business cultures of Latin America and Spain. Methods for communicating with Spanish-speaking companies or customers will be learned. In addition, linguistic and intercultural skills that will enable students to perform different commercial transactions, as well as attend a trade fair to meet potential customers, will be learned. This course includes a service learning component. (F, Sp)   |
| SPAN    | 3733   | Medical Spanish                                 | Prerequisite: SPAN 3073. Develops new critical perspectives on health care for the Hispanic community in the United States. Develops medical language skills and cultural competency for health care situations in order to allow for more effective communication with Spanish-speaking patients and their families. Introduces essential medical vocabulary, practical reference information, and medical notes written from a cross-cultural perspective. (F, Sp)          |
| SPAN    | 3743   | Legal Spanish                                   | Prerequisite: SPAN 3073. Provides an overview of the Spanish language in the legal context. Spanish legal terminology and conversational topics in areas such as civil rights, employment law, family law, immigration law, and human rights will be studied. Legal texts and arguments in order to discuss their implications for the Spanish community in the United States will be examined. (F, Sp)   |
| SPAN    | 3753   | Spanish for Social Work                         | Prerequisite: SPAN 3073. Addresses students' needs in the area of social work. Spanish terminology and conversational topics related to social services will be examined. Includes an exploration of current policy issues and emerging social needs affecting Spanish-speaking families in Oklahoma, as well as resources available to this group, and gaps in services. (F, Sp)   |
| SPAN    | 3763   | Spanish for Journalism                          | Prerequisite: SPAN 3073. An introduction to the exciting world of journalism in Spanish. Explores the ingredients of news and news gathering as well as how to tell stories in Spanish across media platforms (print, radio, television, etc.). How to cover a variety of people, places, things, events, and issues associated with the Hispanic community in the United States will be learned. (F, Sp)   |
| SPAN    | 3853   | Introduction to Hispanic Literature and Culture | Prerequisite: SPAN 2223. Initiates students into the literatures and cultures of the Hispanic world, both in Spain and Latin America. Teaches how to analyze literature by literary genres and movements. Emphasis on all four language skills (hearing, speaking, reading, and writing) and culture. (F, Sp)   |
| SPAN    | 3960   | Honors Reading                                  | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the instructor in keeping with the student's major program. The topics will cover materials not usually presented in the regular courses. (F, Sp)  |
| SPAN    | 3980   | Honors Research                                 | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Provides an opportunity for the gifted Honors candidate to work at a special project in the student's field. (F, Sp)  |
| SPAN    | 3990   | Independent Study                               | 1 to 3 hours. Prerequisite: one course in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)   |
| SPAN    | 3999   | Upper Division Transfer Credit                  | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                                    | Course Description   |
|---------|--------|--|--|
| SPAN    | 4083   | Literature and Culture of Spain          | Prerequisite: SPAN 3853. May be repeated with change of content; maximum credit nine hours. Introduces the literature and culture of Spain. It covers canonical texts from the Early to the Early Modern Period. It also emphasizes culture throughout its rich history. Like all other courses in Spanish, it emphasizes as well all four language skills (hearing, speaking, reading, and writing) and culture. (F, Sp)  |
| SPAN    | 4093   | Survey of Spanish-American Literature I  | Prerequisite: 3853. A study of representative works from the colonial period to 1888. (F)  |
| SPAN    | 4103   | Survey of Spanish-American Literature II | Prerequisite: 3853. A study of representative works from 1888 to the present. (Sp)   |
| SPAN    | 4113   | Literature and Culture of Latin America  | Prerequisite: SPAN 3853. May be repeated with change of content; maximum credit nine hours. Introduces the literature and culture of Latin America. Covers canonical texts from the Early (Colonial) to the Early Modern (Postmodern) Period. Also emphasizes culture throughout its varied history. Like all other courses in Spanish, it stresses as well all four language skills (hearing, speaking, reading, and writing) and culture. (F, Sp)  |
| SPAN    | 4143   | Transatlantic Literature and Culture     | Prerequisites: SPAN 3853. May be repeated with change of content; maxim credit nine hours. Introduces the literature and culture of Spain and Spanish America. Covers canonical texts from the Early, the Early Modern, and the Modern (Postmodern) Period. Also emphasizes culture throughout the ages in its ample history. Like all other courses in Spanish, it stresses as well all four language skills (hearing, speaking, reading, and writing) and culture. (F, Sp)   |
| SPAN    | 4153   | Survey of Spanish Literature to 1700     | Prerequisite: 3853. A study of representative works from the beginning to the Neo-Classic period. (F)  |
| SPAN    | 4163   | Survey of Spanish Literature (Continued) | Prerequisite: 3853. A study of representative works from 1700 to the present. (Sp)   |
| SPAN    | 4173   | Regional Literature and Cultures         | Prerequisite: SPAN 3853. May be repeated with change of content; maximum credit nine hours. Introduces the literature and cultures of specific regions in Spain or Spanish America. Covers canonical texts from the Early to the Early Modern Period. May focus on a specific literary genre, or several, theme, or movement. Like all other courses in Spanish, it emphasizes as well all four language skills (hearing, speaking, reading, and writing) and culture. (F, Sp)   |
| SPAN    | 4183   | Senior Capstone                          | Prerequisite: 3853, Spanish major and senior standing. Synthesis of Hispanic contributions to world literature and culture. (F, Sp) [V]  |
| SPAN    | 4313   | Spanish Civilization                     | Prerequisite: 3423, History 2613 or 2623. Spanish cultural heritage from the beginnings to the present day. (Sp)   |
| SPAN    | 4323   | Latin American Civilization and Culture  | Prerequisite: 3423, and History 2613 or 2623. Latin American cultural heritage from the beginnings to the present day. (F)   |
| SPAN    | 4503   | Hispanic Cinema Studies                  | Prerequisite: SPAN 3423. May be repeated with change of content; maximum credit nine hours. Introduces film culture of the Hispanic world. Covers classical and contemporary films from the five main areas producing film (Spain, Mexico, Brazil, Cuba, and Argentina) as well as from other Hispanic regions. (F, Sp)  |
| SPAN    | 4713   | History of the Spanish Language          | (Slashlisted with 5713) Prerequisite: SPAN 3853. As an introduction to historical Spanish Linguistics, the basic patterns of the evolution of Modern Spanish from Vulgar Latin, as shown in several major literary texts will be learned. Provides an understanding of how the Modern Spanish sound system evolved from the Vulgar Latin of the Iberian Peninsula. Emphasizes as well all four language skills (hearing, speaking, reading, and writing) and culture. No student may earn credit for both 4713 and 5713. (F, Sp) |
| SPAN    | 4773   | Topics in Spanish Linguistics            | Prerequisites: SPAN 3073 and SPAN 3423. May be repeated with change of content; maximum credit nine hours. Introduces the role of meaning in the structure, function, and use of the language and focuses on the core aspects of the representation of meaning in Spanish. Examines how Spanish speakers combine basic linguistic units into larger linguistic expressions that allow them to represent the complex aspects of reality and thought in this language. (F, Sp)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| SPAN    | 4913   | The Structure of the Spanish Language                         | Prerequisite: SPAN 3073 and SPAN 3423. Aims to improve students' formal knowledge of the Spanish language. Principal articulatory properties of the Spanish sounds, Spanish morphology such as word formation and word categories, and Spanish syntax and semantics will be examined. Topics related to social issues and Spanish variation, and in particular, to its situation in the United States will be explored. (F, Sp)   |
| SPAN    | 4923   | Teaching of Spanish in the United States                      | (Slashlisted with 5923) Prerequisite: SPAN 3073 and SPAN 3423. A theoretical and practical introduction to teaching of Spanish in the United States. The theoretical component of the course incorporates major contemporary notions about Second Language Acquisition (SLA) and Second Language Teaching (SLT). The practical component of the course focuses on professional development as an instructor, roles of instructor and student, and day-to-day classroom activities. No student may earn credit for both 4923 and 5923. (F, Sp) |
| SPAN    | 4960   | Directed Readings   | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| SPAN    | 4970   | Special Topics/Seminar  | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| SPAN    | 4990   | Independent Study   | 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)  |
| SPAN    | 5113   | Traditional Novel in Spanish America: Romanticism to Vanguard | Prerequisite: graduate standing or permission of instructor. Beginning with the earliest forms of long prose, the course treats the Romantic novel, the Naturalistic novel, the Novel of the Land, and the Indianist novel. Representative texts of each mode will provide a thorough grounding in the characteristics of the different forms of prose. (Irreg.)  |
| SPAN    | 5203   | Prose Fiction of Cervantes-The Quijote                        | Prerequisite: graduate standing or permission of instructor. Style, structure, content, and fundamental criticism of Cervantes' masterpiece. (Irreg.)   |
| SPAN    | 5213   | The New Novel in Spanish America                              | Prerequisite: graduate standing or permission of instructor. Beginning with Vanguard fiction of the post-Modernists, the course treats the explosion of experimental, prize-winning novels as they developed in Spanish America through the sixties. Representative texts will deal with the wide variety of long fiction during the seminal years that saw political revolution echoed in literary revolution. (Irreg.)  |
| SPAN    | 5333   | Studies in Medieval Literature                                | Prerequisite: graduate standing or permission of instructor. May be repeated once with change of content; maximum credit six hours. A study of the representative works and genres of the Middle Ages. (Irreg.)   |
| SPAN    | 5353   | Studies in Renaissance and Baroque Drama                      | Prerequisite: graduate standing or permission of instructor. May be repeated once with change of content; maximum credit six hours. The theatre of the Spanish siglo de oro. Works by Lope de Vega, Ruiz de Alarcón, Tirson de Molina, Calderón de la Barca, and others. Comedia theory and special topics such as kingship, honor, God. (Irreg.)   |
| SPAN    | 5413   | The Spanish-American Novel of the Post-Boom                   | Prerequisite: graduate standing or permission of instructor. Beginning with novels that are reactions to the new novel, often by the same novelists, the course treats the different forms that have characterized the novel in Spanish America since the seventies. The novelists portray ordinary characters whose quiet desperation and existential suffering is portrayed different from the new novel. (Irreg.)  |
| SPAN    | 5423   | The Spanish-American Essay                                    | The main currents of Spanish-American thought as they appear in the essay, from Simon Bolivar to the present. (Irreg.)  |

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| Subject | Number | Title                                     | Course Description   |
|---------|--------|---|--|
| SPAN    | 5433   | Spanish-American Drama                    | Prerequisite: graduate standing or permission of instructor. The study of the canonical works tracing the development of Spanish-American drama from colonial times to the present. (Irreg.)   |
| SPAN    | 5443   | Post-Modernista Poetry in Spanish America | A survey of Spanish-American poetry after World War I. (Irreg.)  |
| SPAN    | 5453   | The Spanish-American Short Story          | The development of the genre from colonial times to the present. (Irreg.)  |
| SPAN    | 5513   | Colonial Literature: The Encounter        | Prerequisite: graduate standing or permission of instructor. The objective of this course is to familiarize students with early colonial Latin American discourse and its cultural/literary/historic context. Beginning with the letters of Christopher Columbus, the course includes early chronicles and histories. (Irreg.)   |
| SPAN    | 5523   | Colonial Literature: The Criollos         | Prerequisite: graduate standing or permission of instructor. This course familiarizes students with colonial Latin American discourse and its cultural/literary/historic context. The course primarily focuses on writers raised in colonial Spanish America approximately 100 years after the encounter. (Irreg.)   |
| SPAN    | 5603   | Studies in Renaissance and Baroque Prose  | Prerequisite: graduate standing or permission of instructor. May be repeated once with change of topic; maximum credit six hours. The study of representative narrative from the Spanish Golden Age, including the Picaresque, Pastoral, Sentimental, Chivalric, Mystical and Byzantine traditions. Works by Quevedo, Fray Luis de León, Cervantes, Jorge de Montemayor, Gracián, and others. (Irreg.)   |
| SPAN    | 5623   | Studies in Renaissance and Baroque Poetry | Prerequisite: graduate standing or permission of instructor. May be repeated once with change of content; maximum credit six hours. Poetry of Garcilaso, Boscan, Fray Luis de Leon, Fernando de Herrera, Luis de Gongora, Francisco Quevedo, Lope de Vega, and others. Concepts of imitatio, cultismo, conceptismo, and the petrarchan and satirical traditions. (Irreg.)  |
| SPAN    | 5683   | Studies in Modern Peninsular Prose        | Prerequisite: graduate standing or permission of instructor. May be repeated once with change of content; maximum credit six hours. Representative writings in the development of the nineteenth- and twentieth-century Spanish narrative. The essay, short story, and novel of the Romantic, Realist, Naturalist, Modernist, Vanguard, and post Civil War periods are some of the themes to be covered. (Irreg.)  |
| SPAN    | 5693   | Studies in Modern Peninsular Poetry       | Prerequisite: graduate standing or permission of instructor. May be repeated once with change of content; maximum credit six hours. Representative poetry of modern Spain. Topics include the works of Romantic, Realist, and Modernist poetry: the Generation of '98; the Generation of '27; and post Civil War poets. Representative poets include Espronceda, Bécquer, Machado, Jiménez, Lorca, Salinas, Guillén, Diego, Alberti, Aleixandre, Cernuda, and others. (Irreg.)   |
| SPAN    | 5713   | History of the Spanish Language           | (Slashlisted with 4713) Prerequisite: SPAN 3853 and graduate standing. As an introduction to Historical Spanish Linguistics, the basic patterns of the evolution of Modern Spanish from Vulgar Latin, as shown in several major literary texts will be learned. Provides an understanding of how the Modern Spanish sound system evolved from the Vulgar Latin of the Iberian Peninsula. Emphasizes as well all four language skills (hearing, speaking, reading, and writing) and culture. No student may earn credit for both 4713 and 5713. (F, Sp) |
| SPAN    | 5723   | Studies in Modern Peninsular Drama        | Prerequisite: graduate standing or permission of instructor. May be repeated once with change of content; maximum credit six hours. Representative writers and works of the modern Spanish theater. Topics include Romanticism, Realism, Expressionism, theater of the absurd., and the Esperpento. Dramatic works of Valle Inclán, Garcia Lorca, Buero Vallejo, Alfonso Sastre, and others will be included. (Irreg.)   |
| SPAN    | 5910   | Problems in Research                      | 2 to 4 hours. May be repeated with change of content; maximum credit nine hours. An individual course of intensive research with the area and problem to be determined by the student and directing instructor. (F, Sp, Su)  |

# The University of Oklahoma Course Catalog (June 2017)

| Subject | Number | Title                                    | Course Description  |
|---------|--------|--|---|
| SPAN    | 5923   | Teaching Of Spanish In The United States | (Slashlisted with 4923) Prerequisite: graduate standing and Spanish proficiency. A theoretical and practical introduction to teaching of Spanish in the United States. The theoretical component of the course incorporates major contemporary notions about Second Language Acquisition (SLA) and Second Language Teaching (SLT). The practical component of the course focuses on professional development as an instructor, roles of instructor and student, and day-to-day classroom activities. No student may earn credit for both 4923 and 5923. (F, Sp)   |
| SPAN    | 5930   | Seminar in Spanish Literature            | 1 to 3 hours. May be repeated with change of subject matter; maximum credit nine hours. (F, Sp)   |
| SPAN    | 5940   | Seminar in Spanish-American Literature   | 1 to 3 hours. May be repeated with change of subject matter; maximum credit nine hours. (F, Sp)   |
| SPAN    | 5960   | Directed Readings                        | 1 to 3 hours. Prerequisite: graduate standing and permission of department. May be repeated; maximum credit twelve hours. Directed readings and/or literature reviews under the direction of a faculty member. (F, Sp, Su)  |
| SPAN    | 5970   | Special Topics/Seminar                   | 1 to 3 hours. Prerequisite: Graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| SPAN    | 5980   | Research for Master's Thesis             | Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp)  |
| SPAN    | 5990   | Independent Studies                      | 1 to 3 hours. Prerequisite: graduate standing, permission of instructor. May be repeated; maximum credit twelve hours. Independent reading on one or more topics under the general direction of a faculty member. (F, Sp, Su)   |
| SPAN    | 5999   | Graduate Level Transfer Credit           | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| SPAN    | 6960   | Directed Readings                        | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit six hours. Directed readings and/or literature review under the direction of a faculty member. (Irreg.)  |
| SPAN    | 6970   | Special Topics/Seminar                   | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit 12 hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or research and field projects. (Irreg.)  |
| SPAN    | 6980   | Research for Doctoral Dissertation       | 2 to 16 hours. (F, Sp)  |
| SPAN    | 6990   | Independent Study                        | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| SRRE    | 1999   | Lower Division Transfer Credit           | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| SRRE    | 3999   | Upper Division Transfer Credit           | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| SRRE    | 4012   | Capstone Writing Seminar                 | Prerequisite: Permission of applied instrument instructor and senior standing. Designed to emphasize research and writing skills culminating in a major research document to demonstrate knowledge in the student's performance area. The document(s) should reflect study and experience in the undergraduate curriculum of their degree program, including, but not confined to, music theory, musicology, conducting, and ensembles. Normally, this document is extensive program notes related to the repertoire of their senior recital. Students should enroll in the capstone writing seminar the semester before the senior capstone recital. (F, Sp) [V] |



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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| SRRE    | 4021   | Senior Capstone Recital                              | Prerequisite: 4012 or concurrent enrollment, concurrent enrollment in 4020, permission of instructor. Preparation and performance of a public recital by students in all undergraduate music programs. Students are advised to and should complete the Capstone Writing Seminar the semester before the Senior Capstone Recital. (F, Sp) [V]   |
| SRRE    | 5999   | Graduate Level Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |
| TCOM    | 1999   | Lower Division Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.  |
| TCOM    | 3440   | Mentored Research Experience                         | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| TCOM    | 3999   | Upper Division Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.  |
| TCOM    | 5123   | Wireless Communications (Crosslisted with ECE 5123). | (Crosslisted with ECE 5123) Prerequisite: Electrical and Computer Engineering 3793 or permission. Wireless communications principles, multiple access techniques, wireless networking, and systems and standards. (F)  |
| TCOM    | 5153   | Emerging Topics in LTE-Advanced and 5G               | (Crosslisted with ECE 5153) Prerequisite: graduate standing. This course will train students to master the latest developments in the rapidly evolving landscape in wireless cellular networks, thereby preparing them for working on emerging as well as near future wireless technologies. Focuses on selected topics for research and development of LTE-A and 5G cellular networks. These topics include: PHY and MAC layer techniques suitable LTE-A & 5G; network densification techniques such as HetNets and C-RAN; Self Organizing Networks (SON); and Big Data Empowered SON. (Sp) |
| TCOM    | 5183   | Quantum Information Theory                           | (Crosslisted with ECE 5183) Prerequisite: linear algebra. Introductory course of quantum information theory. Topics covered include quantum state, quantum measurement, quantum channels, No-Cloning Theorem, Bell's inequalities, entanglement, quantum dense coding, quantum teleportation, distance measures, quantum entropy, quantum mutual information, information of quantum channels. (F)   |
| TCOM    | 5272   | Telecommunications Laboratory                        | Prerequisite: 5533. Core course designed to enhance the understanding of concepts and principles discussed in the computer networking text through a variety of networking exercises. Also emphasizes network performance, simulation, and internet protocols. Includes approximately eight lab modules, with a short report required for each module. (Su)  |
| TCOM    | 5533   | Telecommunications Industry Overview                 | Prerequisite: Electrical and Computer Engineering 3793. Studies the development of telecommunications technology, industry, and policy in the United States, stressing inter-relationships among industry, government bodies and policies, and users. Provides a broad view of telecommunications and of the direction of the industry. (F)  |
| TCOM    | 5543   | Telecom Network Design and Management                | Prerequisite: Electrical and Computer Engineering 3793. Introduction to basic issues in the design and management of telecommunications networks; concepts will include those pertinent to Telecommunications Engineering and Electrical and Computer Engineering, such as wide area network design principles that cater to Erlangian Traffic. (Sp)   |
| TCOM    | 5553   | Telecommunications Technology                        | Prerequisite: Electrical and Computer Engineering 3793. The ways and means by which voice, data and video traffic are moved long distances. Topics include data networks, telephone systems, video, and optical systems. (F)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| TCOM    | 5563   | Computer and Communications Security         | (Crosslisted with ECE 5563) Prerequisite: Electrical and Computer Engineering 3793. Introduction to security problems in computing and communications, basic encryption and decryption techniques, secure encryption systems, cryptographic protocols and practices, security in networks and distributed systems, legal and ethical issues in computer security. (Sp)  |
| TCOM    | 5583   | Information Theory                           | Prerequisite: Electrical and Computer Engineering 4523 or equivalent. Introductory course in information theory. Topics include: asymptotic equipartition property, entropy, Fano's inequality, Huffman coding, lossy source coding theory, and channel coding theory. (F)  |
| TCOM    | 5671   | Professional Project Proposal Development    | Prerequisite: admission to the TCOM program. May be repeated; maximum credit two hours. Supervised individual study to develop a comprehensive project, which will conclude TCOM studies. The proposal should demonstrate the student's comprehensive grasp of his/her field of study. (F, Sp, Su)  |
| TCOM    | 5682   | Professional Project                         | Prerequisite: 5671. May be repeated; maximum credit four hours. A comprehensive project that is jointly selected by the project supervisor and the student. The program is to be completed during the final semester. (F, Sp, Su)   |
| TCOM    | 5960   | Readings in Telecommunications               | 1 to 3 hours. Prerequisite: graduate standing. May be repeated with change of content; maximum credit nine hours. Students will study relevant material in the area of telecommunications or information systems. (Irreg.)  |
| TCOM    | 5970   | Topics in Telecommunications                 | 1 to 3 hours. Prerequisite: graduate standing. May be repeated with change of content; maximum credit nine hours. Covers material from specialized topics in the area of telecommunication and information technology. (Irreg.)   |
| TCOM    | 5980   | Research for Master's Thesis                 | Variable enrollment, two to nine hours; credit required for the degree, six hours. (F, Sp, Su)  |
| TCOM    | 5990   | Independent Study                            | 1 to 3 hours. Prerequisite: Graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)  |
| TCOM    | 5999   | Graduate Level Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| TRMP    | 1999   | Lower Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| TRMP    | 2000   | Freshman and/or Sophomore Secondary Trumpet  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| TRMP    | 2020   | Trumpet for Music Majors: Freshman/Sophomore | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| TRMP    | 3440   | Mentored Research Experience                 | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| TRMP    | 3999   | Upper Division Transfer Credit               | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| TRMP    | 4000   | Junior and/or Senior Secondary Trumpet       | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| TRMP    | 4020   | Trumpet for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| TRMP    | 5000   | Master's-Level Secondary Trumpet                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| TRMP    | 5010   | Master's-Level Trumpet for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| TRMP    | 5020   | Master's-Level Trumpet for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| TRMP    | 5999   | Graduate Level Transfer Credit                          | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| TRMP    | 6000   | Doctoral Secondary Trumpet                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| TRMP    | 6010   | Doctoral Trumpet for Non-Performance Music Majors       | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| TRMP    | 6020   | Doctoral Trumpet for Performance Majors                 | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| TROM    | 1999   | Lower Division Transfer Credit                          | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| TROM    | 2000   | Freshman and/or Sophomore Secondary Trombone            | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| TROM    | 2020   | Trombone for Music Majors: Freshman/Sophomore           | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| TROM    | 3440   | Mentored Research Experience                            | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| TROM    | 3999   | Upper Division Transfer Credit                          | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| TROM    | 4000   | Junior and/or Senior Secondary Trombone                 | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| TROM    | 4020   | Trombone for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| TROM    | 5000   | Master's-Level Secondary Trombone                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| TROM    | 5010   | Master's-Level Trombone for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| TROM    | 5020   | Master's-Level Trombone for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| TROM    | 5999   | Graduate Level Transfer Credit                           | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| TROM    | 6000   | Doctoral Secondary Trombone                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| TROM    | 6010   | Doctoral Trombone for Non-Performance Music Majors       | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| TROM    | 6020   | Doctoral Trombone for Performance Majors                 | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| TUBA    | 1999   | Lower Division Transfer Credit                           | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| TUBA    | 2000   | Freshman and/or Sophomore Secondary Tuba                 | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| TUBA    | 2020   | Tuba for Music Majors: Freshman/Sophomore                | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| TUBA    | 3440   | Mentored Research Experience                             | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| TUBA    | 3999   | Upper Division Transfer Credit                           | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| TUBA    | 4000   | Junior and/or Senior Secondary Tuba                      | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| TUBA    | 4020   | Tuba for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| TUBA    | 5000   | Master's-Level Secondary Tuba                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| TUBA    | 5010   | Master's-Level Tuba for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |
| TUBA    | 5020   | Master's-Level Tuba for Performance Majors           | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| TUBA    | 5999   | Graduate Level Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| TUBA    | 6000   | Doctoral Secondary Tuba                              | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| TUBA    | 6010   | Doctoral Tuba for Non-Performance Music Majors       | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| TUBA    | 6020   | Doctoral Tuba for Performance Majors                 | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| UCOL    | 1002   | Gateway to College Learning                          | Freshman course introducing topics that include the nature of higher education, library use, time management, essential academic skills (critical reading, writing, listening as well as test taking), campus policies, campus resources, and career education. The course assists students in the transition from high school to college. This course does not count for major credit in any department. However, the course may count for elective credit as granted by a department. (F, Sp) |
| UCOL    | 1013   | Introductory Seminars                                | Prerequisite: departmental permission. This course is intended to assist students in the transition from high school to college. Focus is placed on both the characteristics and behavior of the successful college student. Topics to be covered include, but are not limited to, study skills, time management, goal setting, learning styles, financial planning, emotional intelligence, and personal and civic responsibility. (F, Sp, Su)   |
| UCOL    | 1022   | University College Seminar                           | Each seminar is developed and taught by an individual faculty member who leads students through an in-depth exploration of a specific intellectual topic. This course does not count for major credit in any department. However, the course may count for elective credit as granted by a department. (F, Sp)  |
| UCOL    | 1030   | Leadership Practicum                                 | Prerequisite: permission of Freshman Programs Office. May be repeated with change of content and credit hours; maximum credit six hours. Leadership practicum content to include but not limited to campus cultural programming, presentation/public speaking, interviews/resumes, student program budgets, and peer assistant training. This course does not count for major credit in any department. However, the course may count for elective credit as granted by a department. (F, Sp)   |
| UCOL    | 1999   | Lower Division Transfer Credit                       | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |

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| Subject | Number | Title                             | Course Description  |
|---------|--------|-----------------------------------|---|
| UCOL    | 2002   | Strategies for Success            | Prerequisite: permission of instructor. May be repeated; maximum credit four hours. Strategies for Success is designed to assist students in reaching their academic potential. It is required for students who are on academic probation, notice, or who are identified by University College to be in need of academic assistance. This course will emphasize study skills, time management, motivation, and goal setting. (F, Sp)  |
| UCOL    | 2021   | Choosing a Major                  | This class is designed to help students decide on a major that fits their personality, interests, skills, and goals. Working through the decision making process, this activity based class uses self-assessments, group discussions, and in-class research, to explore majors and related careers. By the end of class, students will have decided on a major or have narrowed their options, and will have the skills and resources needed to make decisions about future career choices. (F, Sp) |
| UCOL    | 3001   | Transitions for Transfer Students | Prerequisite: must be a transfer student. Introduces transfer students to the academic requirements, policies, and resources at the University of Oklahoma. Students will learn about academic advising, transfer credit, degree programs, resources, student life, and methods for achieving academic success at a four-year research institution. (F, Sp)   |
| UCOL    | 3440   | Mentored Research Experience      | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)                       |
| UCOL    | 3999   | Upper Division Transfer Credit    | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| UCOL    | 5999   | Graduate Level Transfer Credit    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| UGRE    | 1999   | Lower Division Transfer Credit    | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| UGRE    | 3999   | Upper Division Transfer Credit    | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| UGRE    | 4011   | Undergraduate Recital             | Prerequisite: concurrent enrollment in 4010, permission of adviser and instructor. Preparation and performance of a public recital by students in the B.M.A. and B.M.E. degree programs. (F, Sp, Su)  |
| UGRE    | 5999   | Graduate Level Transfer Credit    | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| UNIV    | 1000   | University Course                 | Prerequisite: variable, generally at freshman level. May be repeated without restriction with change of subject matter. An interdisciplinary course, with subject matter, credit and format variable, and usually of an ad hoc and/or experimental nature. (F, Sp, Su)  |
| UNIV    | 1210   | Freshman Mentoring Program        | Introduction to the academic community; individual and group meetings to encourage student-faculty interaction and foster awareness of academic and cultural resources available to freshmen. (F, Sp)   |
| UNIV    | 1999   | Lower Division Transfer Credit    | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| UNIV    | 2000   | University Course                 | Prerequisite: variable, generally at sophomore level. May be repeated without restriction with change of subject matter. An interdisciplinary course, with subject matter, credit and format variable, and usually of an ad hoc and/or experimental nature. (F, Sp, Su)   |
| UNIV    | 3000   | University Course                 | Prerequisite: variable, generally at junior level. May be repeated without restriction with change of subject matter. An interdisciplinary course, with subject matter, credit and format variable, and usually of an ad hoc and/or experimental nature. (F, Sp, Su)  |

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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| UNIV    | 3440   | Mentored Research Experience                          | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| UNIV    | 3999   | Upper Division Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| UNIV    | 4000   | University Course                                     | Prerequisite: variable, generally at senior level. May be repeated without restriction with change of subject matter. An interdisciplinary course, with subject matter, credit and format variable, and usually of an ad hoc and/or experimental nature. (F, Sp, Su)  |
| UNIV    | 4970   | Special Topics/Seminar                                | 1 to 3 hours. Prerequisite: Senior standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)   |
| UNIV    | 5999   | Graduate Level Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| VIOA    | 1999   | Lower Division Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| VIOA    | 2000   | Freshman and/or Sophomore Secondary Viola             | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| VIOA    | 2020   | Viola for Music Majors: Freshman/Sophomore            | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| VIOA    | 3440   | Mentored Research Experience                          | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| VIOA    | 3999   | Upper Division Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| VIOA    | 4000   | Junior and/or Senior Secondary Viola                  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| VIOA    | 4020   | Viola for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| VIOA    | 5000   | Master's-Level Secondary Viola                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| VIOA    | 5010   | Master's-Level Viola for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| VIOA    | 5020   | Master's-Level Viola for Performance Majors            | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| VIOA    | 5999   | Graduate Level Transfer Credit                         | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| VIOA    | 6000   | Doctoral Secondary Viola                               | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| VIOA    | 6010   | Doctoral Viola for Non-Performance Music Majors        | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| VIOA    | 6020   | Doctoral Viola for Performance Majors                  | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| VIOL    | 1999   | Lower Division Transfer Credit                         | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| VIOL    | 2000   | Freshman and/or Sophomore Secondary Violin             | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| VIOL    | 2020   | Violin for Music Majors: Freshman/Sophomore            | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 12 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)  |
| VIOL    | 3440   | Mentored Research Experience                           | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| VIOL    | 3999   | Upper Division Transfer Credit                         | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| VIOL    | 4000   | Junior and/or Senior Secondary Violin                  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| VIOL    | 4020   | Violin for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: majors only; junior standing. May be repeated; maximum credit 20 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)  |
| VIOL    | 5000   | Master's-Level Secondary Violin                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| VIOL    | 5010   | Master's-Level Violin for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |



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| Subject | Number | Title   | Course Description  |
|---------|--------|---|---|
| VIOL    | 5020   | Master's-Level Violin for Performance Majors          | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| VIOL    | 5999   | Graduate Level Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| VIOL    | 6000   | Doctoral Secondary Violin                             | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| VIOL    | 6010   | Doctoral Violin for Non-Performance Music Majors      | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| VIOL    | 6020   | Doctoral Violin for Performance Majors                | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| VOIC    | 1999   | Lower Division Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| VOIC    | 2000   | Freshman and/or Sophomore Secondary Voice             | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For freshman and sophomore music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| VOIC    | 2020   | Voice for Music Majors: Freshman/Sophomore            | 2 to 4 hours. Prerequisite: Majors only. May be repeated; maximum credit 8 hours. Applied instrumental lessons for freshmen and sophomore music majors in a School of Music degree program. (F, Sp)   |
| VOIC    | 3440   | Mentored Research Experience                          | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su) |
| VOIC    | 3999   | Upper Division Transfer Credit                        | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| VOIC    | 4000   | Junior and/or Senior Secondary Voice                  | 1 to 2 hours. Prerequisite: permission of adviser and instructor. May be repeated; maximum credit toward B.F.A., B.M.A., B.M.E., and B.M. degrees, eight hours. For junior and senior music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| VOIC    | 4020   | Voice for Music Majors: Junior/Senior                 | 1 to 4 hours. Prerequisite: majors only; junior standing. May be repeated; maximum credit 8 hours. Applied instrumental lessons for junior and senior music majors in a School of Music degree program. (F, Sp)   |
| VOIC    | 5000   | Master's-Level Secondary Voice                        | 1 to 2 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)  |
| VOIC    | 5010   | Master's-Level Voice for Non-Performance Music Majors | 1 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For master's degree students other than performance majors in their major field. (F, Sp, Su)   |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| VOIC    | 5020   | Master's-Level Voice for Performance Majors                                  | 2 to 4 hours. Prerequisite: graduate standing in music; permission of adviser and instructor; 4020 and 4021 or equivalent. May be repeated; maximum credit toward an M.M. degree 10 hours. (F, Sp, Su)  |
| VOIC    | 5999   | Graduate Level Transfer Credit   | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.   |
| VOIC    | 6000   | Doctoral Secondary Voice   | 1 to 2 hours. Prerequisite: graduate standing in music, permission of adviser or instructor. May be repeated; maximum credit eight hours on a given instrument (including voice). For doctoral degree music students studying in a secondary (or minor) performance area. (F, Sp, Su)   |
| VOIC    | 6010   | Doctoral Voice for Non-Performance Music Majors                              | 2 to 3 hours. Prerequisite: graduate standing in music; permission of adviser and instructor. May be repeated. Doctoral-level study of applied music in the major performance area for students other than performance majors in their primary field. (F, Sp, Su)   |
| VOIC    | 6020   | Doctoral Voice for Performance Majors  | 2 to 4 hours. Prerequisite: graduate standing in music; 5042; permission of adviser and instructor. May be repeated; credit applicable toward applied music requirements for the Doctor of Musical Arts degree. Doctoral-level study of applied music for performance majors in their primary field. (F, Sp, Su)  |
| WGS     | 1003   | Introduction to Women's and Gender Studies (Crosslisted with Sociology 1003) | (Crosslisted with SOC 1003) Examines women's issues and movements in the United States and globally, with a focus on the pervasive role of gender in people's lives and on the ways it is used to create privilege for some and oppress others. Through readings, films, class discussions, and guest speakers, this course is designed to challenge traditional, normative notions about gender and sexuality, which are inextricably entwined. Also explores ways other markers of difference, such as disability, race, and religion, intersect with gender identity and sexual identity. (F, Sp, Su) [IV-WC]  |
| WGS     | 1220   | Women's and Gender Studies   | 1 to 3 hours. Title to be specified by department offering the course. Application is to set aside this number for interdisciplinary Women's and Gender Studies course. 1220 preceded by the department name will be an introductory Women's and Gender Studies course in two (or more) departments. (F, Sp, Su)  |
| WGS     | 1999   | Lower Division Transfer Credit   | This is not a course offered at the University of Oklahoma. It is used to denote lower division transfer credit for which there is no OU equivalent course.   |
| WGS     | 2713   | Women in Pop Culture   | Explores the representation of women in various facets of popular culture. First, the gendered codes that inform the representation of women in mainstream film and television will be considered. The politics of representation in three key genres--chick flicks, action films, and reality TV--will be examined, and the structural barriers that limit women creatively behind the scenes will be explored. Second, the ways in which women are represented in American popular music will be explored, examining in particular, five distinct archetypes that frequently appear including pop princesses, divas, female rappers, girl groups and girl bands. Third, the depiction of girls and women in animated films, video games, comic books and social media will be considered. The goal of this course is to foster a critical consideration of gender representations in American popular culture and, through them, the messages being conveyed about the value of women in society. (F, Su) |
| WGS     | 2970   | Special Topics in WGS  | 1 to 4 hours. May be repeated; Maximum credit eight hours. Special topics course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research, and field projects. (Irreg.)   |
| WGS     | 3043   | Gender/Power/Ldrshp-Politics   | (Crosslisted with P SC 3043) Prerequisite: Political Science 1113. Focuses on the relationship between gender, power, leadership, and government in politics and public administration. Causes of under-representation of women in elected office and the bureaucracy are explored. Historical, social, psychological, and organizational barriers are considered. (Irreg.)   |

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| Subject | Number | Title                                     | Course Description   |
|---------|--------|---|--|
| WGS     | 3063   | Topics in United States Women's Movements | Prerequisite: WGS 1003 or junior standing. May be repeated with change of content; maximum credit 9 hours. Content will vary but will cover a particular aspect of women's studies, be it history, art, communication, literature, contemporary social problems, theory, or other appropriate area of study. (Irreg.)  |
| WGS     | 3073   | Women in Early Modern Europe              | Prerequisite: History 1223 or History 1523 or junior standing or permission of instructor. Examines the experience of women, life cycle, economic activity, education, exercise of power, and religion, noting the enhanced position of women from c. 1350, following the Black Plague, and the decline in that position which began c. 1500. (Irreg.) [IV-WC]   |
| WGS     | 3123   | Social Justice and Social Change          | Prerequisite: W S 1003 or junior standing. Introduces students to the major theories and principles of social justice, including fairness, equality and justice; applies these concepts to contemporary social issues such as poverty, gender equality, racial and ethnic identity and politics, environmentalism, the social role of media, war, and globalization; and suggests strategies for creating social change and social justice. Includes both an analysis of the major cultural and structural causes of inequality and injustice, and an examination of the most effective responses. (Irreg.) [IV-WC]  |
| WGS     | 3133   | Medieval Women                            | (Crosslisted with HIST 3133) Prerequisite: History 1113 or History 1613 or junior standing. Covers social history of women in western Europe from late antiquity to the late Middle Ages. Topics include stages of life, marriage, families, occupation, law, power, health, religion, love and education. (F) [IV-WC]   |
| WGS     | 3213   | Race, Gender and Greek Life               | Prerequisite: WGS 1003 or junior standing. Explores Greek-letter organizations past and present. The course examines organizations in context with their founding principles and goals to explore them as functions of twenty-first century higher education. Second, lenses of race, class, and gender will be used to explore current Greek-letter organization membership and identity development. Finally, strategies for inclusive Greek-letter organizational cultures will be conceptualized. (Irreg.)   |
| WGS     | 3220   | WGS Special Topics                        | Prerequisite: WGS 1003 or junior standing. 1 to 3 hours. 3220 preceded by the department name will be a junior level interdisciplinary course in women's studies. May be repeated with change of title and content; maximum credit nine hours. Content will be agreed upon by the departments in cooperation with women's studies. (F, Sp, Su)   |
| WGS     | 3223   | WGS Special Topics                        | Prerequisite: WGS 1003 or junior standing. 3223 preceded by the department name will be a junior level interdisciplinary course in women's and gender studies. May be repeated with change of title and content; maximum credit twelve hours. (F, Sp, Su)  |
| WGS     | 3233   | Women Creating Social Change              | Prerequisite: junior standing or permission of instructor. Overview of how women's organizations developed as part of the women's movement in the 1960's. Examines how women have organized at the local, regional and national levels, both within and across race, class, ethnicity, religion and sexuality. Provides students with a basic understanding of how to create, run and manage a nonprofit organization. (F) [IV-WC]   |
| WGS     | 3243   | Eur Women & Gender Relations              | Prerequisite: History 1233 or History 1623. Explores the social, cultural, political and economic history of European women and gender relations from the Scientific Revolution to the present. (Irreg.) [IV-WC]   |
| WGS     | 3253   | Men and Masculinity                       | Prerequisite: junior standing or W S 1003. Designed as an introduction to the literature and theory that focuses on men and masculinity. Masculinity will be opened for critique and critical inquiry in cross-cultural and cross-historical comparison. The performance of masculinity and attendant judgments of this performance change based upon class, race, ethnicity, sexuality, politics, geography, culture, and language. Our readings are designed to analyze this performance from a number of contextual and sociological angles. Particular emphasis will focus on the way that masculinity and concepts of masculinity have been received and engaged in women's and gender studies, feminism and queer theory. (Irreg.) |

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| Subject | Number | Title  | Course Description   |
|---------|--------|--|--|
| WGS     | 3263   | LGBTQ Movements  | (Crosslisted with LGBT 3263) Prerequisite: WGS 1003 or junior standing. This course will focus on the mainstream gay and lesbian movement in US history, and how that movement shifted from radical to mainstream and the important debates therein. The course will also consider the impact of systems of oppression from colonialism to the US justice system on LGBTQ identity. (Irreg.)   |
| WGS     | 3273   | Queer Theory   | (Crosslisted with LGBT 3273) Prerequisite: WGS 1003 or junior standing. This interdisciplinary course is an introduction to the academic fields and debates within queer theory, specifically, normalization, resistance, and the practice of queering. The central focus is to examine, challenge, critique, and destabilize normative conceptions and representations of not just gender and sexuality but of other categories of being as well. (Irreg.)  |
| WGS     | 3283   | Human Trafficking  | Prerequisite: junior standing. Introduces the trafficking of persons in different areas, included, but not limited to, bonded labor, forced migration, and sex trafficking. Human trafficking from a historical and also modern perspective, both in the United States and in the global context, will be studied. Human trafficking is modern day slavery. There are more slaves in the world today than before the time of abolition. Estimates show there are about 27-30 million people are enslaved in the world today. Human trafficking is a 32 billion dollar industry worldwide and is second only to drug trafficking with 36 billion dollar revenue. Explores the different kinds of trafficking, effects of globalization, the demand, and what the governments can do in order to combat human trafficking. (F) |
| WGS     | 3353   | Race, Class & Gender   | (Crosslisted with SOC 3353) Prerequisite: junior standing or permission of instructor. Explores the intersections of race, ethnicity, class, gender and sexuality. Focus is on how systems of power and oppression reinforce each other, how they intersect in shaping social structure and individual experiences, and how the systems of oppression are mutually reinforcing. Theories and practice of intersectionality, how gender, race, class and other categories of identity are constructed and reproduced in social, political, and economic structures, and experienced in every day life. (F, Sp)  |
| WGS     | 3363   | Gender, Personality and Communication: Rough Girls, Sweet Boys   | Prerequisite: WGS 1003 or junior standing. Designed to introduce students to the intersection between gender, personality and gender performance. Surveys important theories of gender and provides an overview of modern personality theories that will help the student to foster an understanding of the ways in which gender, personality and communicative acts create heteronormative standards that deserve critical analysis. Introduces theories of gender performance. Presents students with an overview of relevant personality theories. Additionally, the course provides an opportunity for self-assessment through various personality inventories and scales and critical analysis of those metrics. (F, Sp, Su).   |
| WGS     | 3373   | Feminism and Art: A Feminist Perspective on Women and Creativity | Prerequisite: WGS 1003 or junior standing. Provides an overview of feminist theory in relation to the process of creative expression by selected female artists of the 20th and 21st centuries. Utilizes the framework of radical 2nd wave feminism and particularly 3rd wave feminism to help shape conceptions of the philosophy of art. The course surveys the emergence of the confessional art of artists like Frida Kahlo and Anne Sexton and modern 3rd wave artists like Beyonce and Lady Gaga and efficacy of popular media feminist expressions like Girls and Sex and the City. Students will gain insight into the cultural purpose of feminist expression and explore their own conceptions of feminist creative philosophy. (F)  |
| WGS     | 3403   | Race and Reproduction  | Prerequisite: WGS 1003 or junior standing. Discusses the intersection of race and gender. Focuses on the 19th century to present. Topics include reproductive technologies and societal understanding of the link between race and reproduction (who is encouraged/ discouraged from reproducing). Examines the current Reproductive Justice framework, which was developed by black women. (Irreg.)   |

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| Subject | Number | Title                         | Course Description   |
|---------|--------|-------------------------------|--|
| WGS     | 3413   | Body Image Vs. Reality        | Prerequisite: 1003 or junior standing. Looks at the topic of body image, which is of great importance to men and women. We explore women's identity in popular culture, examining how different authors have responded to the pressures on women to be beautiful, to inhabit a particular place in society and to create a space for themselves as subjects rather than objects. (F, Sp, Su)   |
| WGS     | 3423   | Women and Sports              | Prerequisite: 1003 or junior standing. Examines six generations of American women athletes and their struggle to achieve equality. Explores how women have historically participated in sports and how sports have changed with the passage to Title IX, as well as contemporary female athletics. (F, Sp)   |
| WGS     | 3440   | Mentored Research Experience  | 0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)  |
| WGS     | 3443   | Gender & Interpersonal Comm   | Prerequisite: 1003 or junior standing. Explores the impact of gender on interpersonal communication. Topics include the impact of gender on speech, language, nonverbal behavior and social interactions. Gender-linked differences in communication will be considered in a variety of interpersonal relationships and social settings including romantic relationships, friendships, family, work, peer and nonpeer groups. Course also considers gender communication patterns across cultures as well as ways in which patterns of inequality are embedded in various forms of communication. (Sp) |
| WGS     | 3453   | Women's Psychosocial Dev      | Prerequisite: 1003 or junior standing. Focuses on women's psychosocial and social development through infancy, adolescence and young adulthood, middle adulthood, later adulthood and elder years. (Sp)  |
| WGS     | 3463   | Women and Religion            | Prerequisite: WGS 1003 or junior standing. Explores what the Scriptures in Judaism, Christianity and Islam say with regard to women. Looks at the various roles women play within the Scriptures, their role relative to men in general, their place in the foundational myths such as the creation accounts, and the ways in which they negotiate power and authority. (Sp)   |
| WGS     | 3473   | Red Dirt Women and Power      | Prerequisite: 1003 or junior standing. The stories of "red dirt women" are central to an examination of their power and vulnerability in Oklahoma past and present. Individual women come alive as students do oral/video histories. Novels, videos, history and structural social analysis place them in their social context. (F) [IV-WC]  |
| WGS     | 3483   | Domestic Violence and the Law | Prerequisite: 1003 or junior standing. Introduction to the legal aspects of domestic violence by examining case law, statutes and scholarly research and commentary. Studies how domestic violence is addressed by the legal system, and analyzes the different legal treatment of married couples, non-married couples and same-sex couples. Law enforcement, court systems, legal representation, and advocacy groups are evaluated for the role they play in domestic violence law. (F)   |
| WGS     | 3493   | Gender and the Environment    | Prerequisite: 1003 or junior standing. Interdisciplinary course explores environmental concerns from a gendered perspective, and gender from an environmental perspective, by focusing on a set of issues including science, health, work, family, development, and activism. The links between the environment and men's and women's differing social roles and experiences are explored. Examines how culturally-defined environments shape gendered experiences and how gender informs the meanings, uses, and abuses of local and global environments. (Irreg.)                                    |

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| Subject | Number | Title                                    | Course Description  |
|---------|--------|--|---|
| WGS     | 3513   | Gender, Law and Human Rights             | Prerequisite: junior standing or 1003. This course follows the development of women's human rights and the subsequent evolution of legal remedies for gender-specific issues. Studies will include the relevant treaties and conventions of the United Nations as well as international case law affecting women. Various women's human rights issues we will study include religion, employment discrimination, gender violence, cultural relativism, polygyny and reproductive rights. (Irreg.) [III-SS]  |
| WGS     | 3533   | History Early Amer Women                 | Prerequisite: History 1483 or History 1493 or junior standing. Explores the history of American women from the seventeenth century to the mid-nineteenth century by focusing on women's lives from a wide variety of perspectives including demographic change, sexuality, work patterns, and political involvement. (F) [IV-WC]  |
| WGS     | 3543   | History Modern Amer Women                | Prerequisite: History 1483 or History 1493 or junior standing. Explores the history of American women from the mid-nineteenth century to the present by focusing on women's lives from a wide variety of perspectives including demographic change, family life, sexuality, work patterns, and political involvement. (Sp) [IV-WC]  |
| WGS     | 3563   | Gender and Global Politics               | Prerequisite: junior standing or permission of instructor. How gender shapes global processes such as war and peace, globalization and labor migration, the rise of ideologies of community such as ethno-nationalism and religious fundamentalism, and the emergence of global norms and activism. A particular focus is on local and global social movements and activism that address gender inequality, as well as the rise of global norms of gender equality. (F) [III-SS]  |
| WGS     | 3573   | Gender, War and Peace                    | Prerequisite: junior standing or permission of instructor. Examines the gender dimensions of conflict and political violence as well as post conflict peace-building. Explores how each stage of conflict is gendered, including: (1) the origins of aggression and the preparations for war through the militarization of society; (2) the conduct of war, wartime atrocities, and the composition, training and performance of armed forces; and, (3) the aftermath of war and conflict prevention attempts through peace agreements, peacemaking and peace-building efforts, and the structures and practices of transitional justice. Of central concern throughout the course is the way in which social constructions of masculinity and femininity shape war and peace. (Sp) |
| WGS     | 3583   | Gender and Employment Discrimination Law | Prerequisite: junior standing. Focuses on federal and state employment statutes and case law prohibiting adverse employment actions on the basis of sex. Principal focus is on Title VII of the Civil Rights Act of 1964. Examines in detail sexual harassment law, family leave and pregnancy discrimination, age discrimination, sexual orientation and the Equal Pay Act. By viewing the material through a feminist lens, the role gender plays in equal employment will be better understood. (Sp)   |
| WGS     | 3593   | Women in the American West               | Prerequisite: History 1483 and History 1493. Nineteenth-century gender ideologies, multicultural interaction and exchange, work roles and community building, participation in politics, and reform movements of women in trans-Mississippi West. (Irreg.) [IV-WC]  |
| WGS     | 3623   | Gender and Terrorism                     | Prerequisite: WGS 1003 or junior standing. Even before 9/11, the subject of terrorism has been studied within academics with great interest. Too often, however, scholarship on terrorism fixates on issues of security, nationalism, and technologies of war. In this course, we will examine alternative approaches to understanding representations of terrorism specifically through the lens of gender. We will study various theories of violence while considering how transnational scholars re--situate notions of war, violence, gender, and media cultures in ways that challenge traditional and limiting approaches. (F)   |

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| Subject | Number | Title                       | Course Description  |
|---------|--------|-----------------------------|---|
| WGS     | 3703   | Female Heroism in Hollywood | Prerequisite: WGS 1003 or junior standing. Examines conceptual and performative shifts in female heroism in Hollywood genre. Students will engage with various theoretical (feminist theory, feminist film theory, critical race theory) and critical texts discussing the social construction of the female body in American society and cinema, and examine the changing generic parameters through which the female body is considered and constituted heroic. The goal of this course is to explore how the female body is constructed as a locus of heroic identity as it engages dynamically in the male dominated and oriented space of physical action. (F)   |
| WGS     | 3713   | Gender and James Bond       | Prerequisite: WGS 1003 or junior standing. Explores the unprecedented longevity and popular cultural viability of the James Bond film franchise. First, the representation of heroism and villainy in the series will be considered, focusing on the performance and intersectionality of gender, race, class, nationality and sexual orientation. Second, the popular culture impact of the Bond franchise will be examined. Development of the "Bondian" film formula focusing on aspects of visual style, music, and the role of technology will be explored. They will also consider the marketing of the Bond films through the opening credit sequence, movie posters, and secondary market products such as James Bond videogames, comic books, and cartoons. Third, students will explore the problematic representation of women in the Bond film franchise. They will examine four key characters or character types: the Bad Girl, the Bond Girl, M, and Miss Money Penny. Finally, students will consider how Casino Royale (2005) functions a prequel and effectively reboots the franchise in the new millennium. They will explore how key "Bondian" elements (such as heroic masculinity) have been reframed in the 2000s and consider why producers chose to reframe the film franchise. Ultimately, the goal of this course is to explore the ongoing commercial viability of the James Bond franchise and explore the popular cultural impact of its films. (Irreg.) |
| WGS     | 3810   | WGS Special Topics          | 1 to 3 hours. Prerequisite: WGS 1003 or junior standing. May be repeated with change of content; maximum credit nine hours. Content will vary but will cover a particular aspect of women's studies, be it history, art, communication, literature, contemporary social problems, theory, or other appropriate area of study. Texts and supplementary readings will be assigned according to the topics chosen. (F, Sp)   |
| WGS     | 3813   | WGS Special Topics          | Prerequisite: WGS 1003 or junior standing. May be repeated with change of content; maximum credit nine hours. Content will vary but will cover a particular aspect of women's and gender studies, be it history, art, communication, literature, contemporary social problems, theory, or other appropriate area of study. (Irreg.)   |
| WGS     | 3823   | Motherhood Contemp Society  | Prerequisite: 1003 or junior standing. Explores various historical, social, economic and personal aspects of motherhood. Examines how definitions of motherhood and family, as well as mothers relationship to work outside the home, have changed over time in the American context. Family relationships, work-family balance, childcare, and gendered expectations of women's and men's roles in the family and workplace will be considered. The public policy context of contemporary motherhood will be examined as well as the perception and reality of motherhood in various cultures. (Su)  |
| WGS     | 3833   | Women and Islam             | Prerequisite: junior standing. Examines commonly held beliefs about how Islam regards Muslim women. A broad range of Muslim women, some who identify as feminist, others who do not, consider Islam crucial to their gendered identity. There are also feminist women who were born Muslim, some of whom continue to practice Islam, others who do not, who consider Islam as oppressing their gendered identity. Whatever their positions, it is crucial that these women discuss their relationships, as women, to Islam. In this current historical and cultural moment, critics and proponents of Islam often speak on behalf of Muslim women, while Muslim women remain silent. Reading of Muslim women writing, in their own words, about their religious practices, their feminist practices, and how these practices affect their lives and perspectives. (Irreg.)  |

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| Subject | Number | Title  | Course Description  |
|---------|--------|--|---|
| WGS     | 3933   | History-Early Mod Witch-Hunt                           | (Crosslisted with HIST 3933) Prerequisite: junior standing. Covers an important era in the history of human rights and misogyny while offering a view of early modern Europe through social, legal, political, and religious lenses. (Irreg.) [IV-WC]   |
| WGS     | 3943   | Women' Health  | Prerequisite: 2003 or permission of instructor. Students will gain basic understanding of subjects necessary to develop physical, mental, and social well-being. Covers female anatomy, physiology, and normal processes, including reproduction, childbearing, and menopause. Healthy life choices and decision-making, stress management, and self-care, including nutrition, exercise, and mental wellness, will also be considered. (F, Sp) |
| WGS     | 3953   | Women and the Law                                      | Prerequisite: junior standing. This course will examine the history of women's rights and gender discrimination in the United States. It will focus on topics such as the family, education, reproduction, sexual harassment, violence against women, pornography and discrimination in the workplace. Although the subject matter involves legal cases and discourse, it is not intended to be a law school course. (F) [IV-WC]                |
| WGS     | 3960   | Honors Reading (HONORS)                                | Prerequisite: 2003 and admission to Honors Program. May be repeated; maximum credit six hours. Consists of topics designated by the Women's and Gender Studies faculty member. Topics will cover materials not usually presented in regular courses. (Irreg.)   |
| WGS     | 3963   | Gender, Employment Discrimination and Law              | Prerequisite: WGS 1003 or junior standing. Taught through a feminist lens, students will learn about employment law by focusing primarily on Title VII of the Civil Rights Act of 1964 and federal case law examining adverse employment actions on the basis of sex. Sexual harassment, gender discrimination, family leave, sexual orientation and equal pay will all be examined in detail. (Irreg.)   |
| WGS     | 3970   | Honors Seminar   | 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Subjects covered vary. Deals with concepts not usually treated in regular courses. (Irreg.)   |
| WGS     | 3973   | Divorce Law and Social Implications                    | Prerequisite: WGS 1003 or junior standing. This course provides an understanding of divorce law and the social impact divorce can have on women in particular. This information is crucial to understanding gendered poverty, single parenting issues, and societal norms associated with divorced women and will be looked at through a feminist lens. (Irreg.)  |
| WGS     | 3980   | Honors Research (HONORS)                               | Prerequisite: 2003 and admission to Honors Program. Individualized research with a Women's and Gender Studies faculty member on a topic leading toward work for the Honors thesis. In-depth research of specialized topic in women's studies. (Irreg.)  |
| WGS     | 3983   | Women, Girls & Crime (Crosslisted with Sociology 3983) | Prerequisite: SOC 1113 and SOC 3523, or permission of instructor. An in-depth examination of crime and the justice system as it relates to girls and women. The focus will be on girls and women as victims, girls and women as offenders, and criminal justice responses to girls and women. (F, Sp)   |
| WGS     | 3990   | Independent Study                                      | 1 to 3 hours. Prerequisite: permission of instructor and junior standing. May be repeated once with change of content. Independent study may be arranged to study a subject not available through regular course offerings. (F, Sp, Su)   |
| WGS     | 3999   | Upper Division Transfer Credit                         | This is not a course offered at the University of Oklahoma. It is used to denote upper division transfer credit for which there is no OU equivalent course.   |
| WGS     | 4003   | Women's and Gender Studies Senior Capstone             | Prerequisite: WGS 1003 or junior standing and WGS major or minor. Designed to acquaint majors and/or minors with the inter-relationship between theory and methodology in Women's and Gender Studies. The course will interweave the sciences, social sciences, humanities, and arts. Students are expected to write weekly critiques, develop a research proposal, and do an oral presentation. (Sp)   |
| WGS     | 4013   | WGS Internship   | Prerequisite: junior standing, permission of adviser and instructor, and an approved women's and gender studies course. May be repeated; maximum credit six hours. Students must relate their academic experience to women's or gender issues by working with a non-profit organization or project. Academic credit is based on the site supervisor's report and a substantial paper relating to the internship experience. (F, Sp, Su)         |



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| Subject | Number | Title                         | Course Description  |
|---------|--------|-------------------------------|---|
| WGS     | 4023   | Social Justice Internship     | Prerequisite: 2223 and junior standing and 2.5 GPA. Designed to provide students an opportunity to relate their academic experience to social justice issues in the community by working in a social justice agency or non-profit organization or on a social justice service-learning project for a semester. (F, Sp)  |
| WGS     | 4120   | WGS Special Topics            | 1 to 3 hours. Prerequisite: junior standing. May be repeated in a given department, maximum credit nine hours, provided that the course title and content is different in each instance. (F, Sp, Su)  |
| WGS     | 4123   | Contemporary Feminist Thought | (Slashlisted with WGS 5123) Prerequisite: senior standing or permission of instructor. Survey of the core concepts and texts of feminist theory exposes students to the major works in feminist theory as well as critiques and scholarly analysis of them. Includes discussion of the roots of feminist theory, analysis of alternatives to liberal feminist thought, and examination of the impact of postmodernism on feminist thought and the rise of global feminism. (Sp) [V] |
| WGS     | 4473   | Women and Mental Health       | Prerequisite: junior standing. Examines psychological theory and practice as it pertains to women. Will look at traditional theories and practice, new approaches to working with women, and such topical issues as leadership, work issues, depression, trauma, and health. Will be useful to all students who seek to have a better understanding of social and psychological issues that impact women, and how to help resolve those issues. (Irreg.)                            |
| WGS     | 4913   | Senior Thesis                 | Prerequisite: senior standing and permission of instructor. Research and presentation of written thesis on suitable topics in women's or gender studies. Specific topic must be approved in advance by instructor. (F, Sp, Su)  |
| WGS     | 4960   | Directed Readings             | 1 to 4 hours. Prerequisite: good standing in University; permission of instructor and dean. May be repeated; maximum credit four hours. Designed for upper-division students who need opportunity to study a specific problem in greater depth than formal course content permits. (Irreg.)   |
| WGS     | 4970   | Special Topics in WGS         | Prerequisite: twelve hours in women's studies courses or permission of instructor. 1 to 4 hours. Variable content; impact of women's studies on the several academic disciplines; interdisciplinary scholarship on women; integration of women's studies in the curriculum. (Sp)  |
| WGS     | 4990   | Independent Study             | 1 to 6 hours. Prerequisite: junior standing, permission of instructor, and an approved Women's and Gender Studies course. May be repeated once with change of content; maximum credit six hours. Designed to accommodate students' interest in reading and research in a specialized area of women's studies. (F, Sp, Su)   |
| WGS     | 5001   | Women & Gender Studies Colloq | Prerequisite: 3 hours at or above the 5000-level. Offers a discussion and review of major debates and current literature in the women's and gender studies field with an emphasis on feminist research methods and approaches. Students will expose one another to approaches to women's and gender studies in such major disciplines as anthropology, sociology, political science, education, English, history, communications, and human relations. (F)                          |
| WGS     | 5013   | Graduate Internship           | Prerequisite: graduate standing, permission of instructor, and an approved graduate women's and gender studies course. May be repeated; maximum credit six hours. Students must relate their academic experience to women's or gender issues by working with a non-profit organization or project. Academic credit is based on the site supervisor's report and a substantial paper relating to the internship experience. (F, Sp, Su)  |
| WGS     | 5120   | Graduate Interdisciplinary    | 1 to 3 hours. Prerequisite: graduate standing. May be repeated in a given department, maximum credit nine hours, with a change of content. (Irreg.)   |

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| Subject | Number | Title                          | Course Description   |
|---------|--------|--------------------------------|--|
| WGS     | 5123   | Contemporary Feminist Thought  | (Slashlisted with 4123) Prerequisite: graduate standing or permission of instructor. Survey of the core concepts and texts of feminist theory exposes students to the major works in feminist theory as well as critiques and scholarly analysis of them. Includes discussion of the roots of feminist thought, analysis of alternatives to liberal feminist thought, and examination of the impact of postmodernism on feminist thought and the rise of global feminism. (Sp) |
| WGS     | 5960   | Directed Readings              | 1 to 6 hours. Prerequisite: six hours of Women's and Gender Studies courses at the graduate level. Graduate directed readings is designed for specialized research on a women's studies topic. (F, Sp, Su)   |
| WGS     | 5970   | Special Topics/Seminar         | 1 to 3 hours. Prerequisite: graduate standing or permission of instructor. May be repeated; maximum credit nine hours. Special topics or seminar course for content not currently offered in regularly scheduled courses. May include library and/or laboratory research and field projects. (Irreg.)  |
| WGS     | 5990   | Independent Study              | 1 to 3 hours. Prerequisite: graduate standing and permission of instructor. May be repeated; maximum credit nine hours. Contracted independent study for a topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (Irreg.)   |
| WGS     | 5999   | Graduate Level Transfer Credit | This is not a course offered at the University of Oklahoma. It is used to denote graduate level transfer credit for which there is no OU equivalent course.  |