Computer Science 1213

Programming with Python

Spring 2021 Syllabus

1 General Information

Instructor: Sai Teja Kanneganti (Email: kannegantisaiteja@ou.edu)
Teaching Assistant: Omkar Chekuri (Email: omkar.chekuri@ou.edu)
Class Time: 05:00 PM – 06:15 PM, T/R
Class Location: Via Zoom
Lab Time & Location: 12:30 PM - 1:20 PM, F; Rawls Engr Practice Facility, B004 or
2:00 PM - 2:50 PM, F; Rawls Engr Practice Facility, B004

Note: TA will attend the University and take labs on campus. Labs will be handled through zoom (to respect social distancing). Students are welcome to attend labs by either coming to the University and ask questions through zoom or attend remotely.

Required Materials:
1. zyBooks CS 1213 Programming for Non-Majors with Python, zyBooks.com, code OUCS1213KannegantiSpring2021, 9781394078035

Instructor and TA Office Hours:
This class will have assignments due almost every week. If you need help on any of them, please attend office hours. You may attend any of the hours listed below (not just those held during your lab hours). Office hours will be handled through zoom.

Instructor office hours: 4:00 PM – 5:00 PM on Tuesday and Thursday.

TA office hours: 2:00 PM – 4:00 PM on Monday and Wednesday.

Zoom Addresses for Class:

Event	Zoom ID	Password	Time and Day
Class	982 8635 4254	CS1213LEC	5:00 PM – 6:15 PM (T/R)
Lab 1	948 4592 6385	CS1213LAB	12:30 PM – 1:20 PM (F)
Lab 2	930 5423 6823	CS1213LAB	2:00 PM – 2:50 PM (F)
Office Hours (Instructor)	910 1753 7967	CS1213OFF	4:00 PM – 5:00 PM (T/R)
Office Hours (TA)	930 3689 3399	CS1213OFF	2:00 PM – 4:00 PM (M/W)

1.1 Important Dates

First Day of Class: Jan 26
Final Exam Prep Week: May 3 - May 7
Final Exam: May 11 (4:30 PM – 6:30 PM)

2 University Policies

2.1 OU Masking Statement Spring 2021

As outlined by the University of Oklahoma's Chief COVID Officer, **until further notice, employees, students, and visitors of the OU community will be mandated to wear masks (1) when they are inside University facilities** and vehicles and (2) when they are outdoors on campus and social distancing of at least six feet is not possible. For the well-being of the entire university community it is important that everyone demonstrate the appropriate health and safety behaviors outlined in the University Mandatory Masking Policy (https://www.ou.edu/coronavirus/masking-policy). As this mandate includes all campus classrooms, please make sure you are wearing your mask while in class. If you do not have a mask or forgot yours, see the professor for available masks. If you have an exemption from the Mandatory Masking Policy, please see the professor to make accommodations before lab begins. If and where possible, please make your professor aware of your exemption and/or accommodation prior to arriving the lab.

If a student is unable or unwilling to wear a mask and has not made an accommodation request through the ADRC, they will be instructed to exit the classroom.

3 Course Policies

3.1 Class Attendance

Classes will be online. Class attendance is important because we will discuss/clarify concepts and examples that may not be in the textbook. You are responsible for everything that is announced in class, independent of whether you choose to attend or not. **Graded assignments will be given in class and will generally require a computer with Internet access capable of writing and executing Python code (like homework assignments). Students who do not attend will not get credit for these assignments.**

3.2 Class Home Page

This class will use Canvas learning management system for our home page. The URL for the home page is http://canvas.ou. edu. Login with your 4+4 using your standard OU password. If you have difficulty logging in, call 325-HELP. This learning management system provides a number of useful features, including a list of assignments and announcements, an electronic mailing list, and grade book. All updates to schedule or assignment due dates will be announced in class and posted to this web site. You should check the site regularly.

3.3 Class Email Alias

Urgent announcements will be sent through email. It is your responsibility to:

- Regularly read your University supplied e-mail or have it forwarded to a location where you do regularly read e-mail.
- Have your email program set up so that replying to your email will work correctly. You can send email to yourself and reply to yourself to test this. If you need assistance in accomplishing any of these tasks, contact 325-HELP. You are responsible for reading emails within 24 hours.

3.4 Examinations

There will be two mid-term and a final examination in this course. All these examinations consist of theoretical concepts, programming questions. Students will be given at least two days to complete their mid-term examinations.

3.5 Use of Evaluations

The College of Engineering utilizes student ratings as one of the bases for evaluating the teaching effectiveness of each of its instructors. In addition, the instructor uses these forms to improve their own teaching effectiveness. The original request for the use of these forms came from students, and it is students who eventually benefit most from their use. Please take this task seriously and respond as honestly and precisely as possible, both to the machine-scored items and to the open-ended questions.

3.6 Spring 2021 Disclaimer

Under normal circumstances, this syllabus would not be changed significantly during the course of the semester. These are not normal circumstances. I have made every reasonable attempt to anticipate the challenges I expect could occur during the course of this semester and create a robust structure that can withstand these challenges. However, I need to have some flexibility to handle unanticipated challenges. In the event that changes have to be made, I will make every reasonable effort to be fair and kind to all students and respect the original spirit of this document**. If you need special consideration this spring, please ask for it.**

3.6 Academic Integrity

You should not show or share your code with other students in this course: both the sender and receiver will be reported to integrity council.

4 Course Coverage and Procedures

4.1 Material Covered

Most topics from zyBooks will be covered, though not necessary to the same depth. All exams and homeworks are based on material presented in lectures which in turn are based on zyBooks material (and to a small degree, some external material).

4.2 Software Tools

Various software development and analysis tools will be presented and used during this course. Some tools will be recommended, and their use is optional and some will be required. No commercial software requiring monetary cost will be required. Using commercial software optionally without proper licensing is illegal, unethical, and unacceptable in this class.

4.3 Backup Copies of Work

It is the students' responsibility to backup their files appropriately. No extensions to deadlines will be given as a result of lost files, unless there is a massive, network wide problem that affects the entire class. Do not rely on anyone else to backup your important files. Buy a jump drive (or other media) and make backing up to your work a routine part of computer usage.

5 Evaluation

5.1 Canvas Grade Summary

Canvas has a grade book that is used to store the raw data that is used to calculate your course grade. It is the responsibility of each student in this class to check their grades on Canvas after each lab or homework is returned. If an error is found, bring the graded document to the instructor and it will be corrected.

5.2 Course grading

There are 4 components to the course grade. They are weighted as follows.

Component	Percent
Exams (2 midterms, 1 final)	20 (Each midterm is 5% and final is 10%)
Homework / Individual Assignments	60
In-Class Exercises	10
Online Textbook Exercises	10

5.3 Grading Scale

The letter grade thresholds will be no higher than the following: they may be lower at the discretion of the instructors.

Grade	Percentage
A	90+
B	80-89
C	70-79
D	60-69
F	Below 60

5.4 Course Schedule

The following is a tentative schedule for covered material and examinations.

Week	Dates	Lecture Topic	Notes
1	Jan 26	Intro	Chapter 1
1	Jan 28	Data Types, Variables & Expressions	Chapter 2-3
2	Feb 2	Data Types, Variables & Expressions	
2	Feb 4	Conditional Logic / Branching	Homework 1 Due, Chapter 4
3	Feb 9	Conditional Logic / Branching	
3	Feb 11	Lists & Loops	Homework 2 Due, Chapter 5, 9.1-9.7
4	Feb 16	Lists & Loops	
4	Feb 18	Review & Homework/Midterm Prep	Homework 3 Due
5	Feb 23	Functions	Chapter 6
5	Feb 25	Functions	Homework 4 Due
6	Mar 2	Strings	Chapter 7
6	Mar 4	Strings	Midterm 1 Due
7	Mar 9	Review & Homework help	
7	Mar 11	Error Handling	Homework 5 Due, Chapter 8
8	Mar 16	Dicts, sets and Tuples	Chapter 9.12–9.15

8	Mar 18	Dicts, sets and Tuples	Homework 6 Due
9	Mar 23	Files	Chapter 11
9	Mar 25	Files	Homework 7 Due
10	Mar 30	Review & Homework/Midterm Prep	
10	Apr 1	Algorithms and Sorting	Midterm2 Due, Chapter 10
11	Apr 6	(no class)	Instructional holiday
11	Apr 8	Algorithms and Sorting	
12	Apr 13	Algorithms and Sorting	Homework 8 Due
12	Apr 15	List Comprehensions	Chapter 9.8
13	Apr 20	Classes	Chapter 12
13	Apr 22	Classes	Homework 9 Due
14	Apr 27	Advanced Topics 1	
14	Apr 29	Advanced Topics 2	Homework 10 Due
15	May 4	Final Exam preparation	
15	May 6	Final Exam Preparation	
16	May 11	Final Exam	