CS 4323
COMPILER CONSTRUCTION
Spring 2022

Instructor: Dr. C. Kim, ckim@ou.edu

Class Meetings: TR 10:30AM – 11:45AM, CEC 119

Office Hours: TR 12PM – 1:30PM, On-line Zoom ID: 975 3748 2112, Passcode: 27972559

Prerequisites: CS 3823 (Theory of Computation)

Textbook: A. V. Aho, M. S. Lam, R. Sethi and J. D. Ullman, Compilers – Principles, Techniques, and Tools (2nd ed.), Addison Wesley, 2007

Course Content: The course covers fundamentals of compiling techniques. Specific topics include lexical analysis, syntax analysis, syntax-directed translation, type checking, run-time environments, (intermediate) code generation, and code optimization.

Student Activities:

- Homework Assignments (20 %)
- Programming Assignments (20 %)
- Midterm Exam (25 %): March 8 (T)
- Final Exam (35 %): May 11 (W), 8AM – 10AM

Remarks:

- **For the first two weeks of the Spring 2022 semester (through January 31) masking will be required in all classroom settings**. Beginning February 1, the Norman campus will revert to the Fall 2021 masking guidance that encourages masking in the classroom and requires masking for a two-week quarantine period when a confirmed positive COVID-19 case in the class is identified. Individuals in need of a health accommodation should contact the Accessibility and Disability Resource Center by emailing adrc@ou.edu. For all COVID protocol answers, please visit this provost website: https://www.ou.edu/together/campus-protocols/spring-2022.
- Assignments must be submitted on or before the due dates; there will be 20% penalty per calendar day for late submissions. All student activities are individual and cheating of any form will result in a formal academic misconduct charge.
- Any student who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me personally as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate your educational opportunities.
- Should you need modifications or adjustments to your course requirements because of documented pregnancy-related or childbirth-related issues, please contact me as soon as possible.

- It is the policy of the University to excuse the absences of students that result from religious observances and to reschedule examinations and additional required classwork that may fall on religious holidays, without penalty.
- For any concerns regarding gender-based discrimination, sexual harassment, sexual assault, dating/domestic violence, or stalking, the University offers a variety of resources. To learn more or to report an incident, please contact the Sexual Misconduct Office at 405/325-2215 (8 to 5, M-F) or smo@ou.edu.