

CS 5363 Programming Languages and Compilers Spring 2019

Course Instructor

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Office Hours:

Tuesday 11:00am to 12:00pm

Thursdays 11:00am to 12:00pm

Course Information

Class Time: TR 7:30pm to 8:45pm

Class Location: EB 2.04.04

Course Web Site

<http://xywang.100871.net/CS5363.htm>

Textbooks

One of the following textbooks.

- Keith Cooper and Linda Torczon's "Engineering a Compiler, 2nd ed." (2011)

Course Outline

A study of programming languages with an emphasis on their implementation. Topics include lexical analysis, language syntax, control structures, the binding of names, procedures, and their implementation in compilers

Course Topics

- Formal Languages and Automaton
- Lexical Analysis
- Parsing
- Code Generation
- Compiler Optimization
- OO and functional languages

Grading Scheme

Mid-Term Exams: 20% * 2

Assignments: 20% (Assignment 1: 10%, Assignment 2: 10%)

Course participation and presentation: 10%

Projects: 30%

Students with Disabilities

The course will follow all relevant and appropriate university regulations including those relevant to students with disabilities. Any students requiring additional assistance due to disabilities should contact the professor during the first week of the semester.

Course Evaluation

The feedback collected from course evaluation process helps teachers to improve the course and their teaching skills. Please participate in course evaluations after the 13th week of the semester. One extra point will be given to each student who finishes course evaluation per the provost's policy.

This Syllabus is provided for informational purposes regarding the anticipated course content and schedule of this course. It is based upon the most recent information available on the date of its issuance and is as accurate and complete as possible. I reserve the right to make any changes I deem necessary and/or appropriate. I will make my best efforts to communicate any changes in the syllabus in a timely manner. Students are responsible for being aware of these changes.

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