

CS320/520N: Organization of Programming Languages

Spring 2009

Class Meetings: Mon, Tue, Thu, Fri 3:10pm–4:00pm, Stocker 192

Instructor: Razvan Bunescu

Office: Stocker 337

Office Hours: Mon, Thu 10am–12pm, or by email appointment

Email: bunescu@ohio.edu

Class Website: <http://ace.cs.ohio.edu/~razvan/courses/cs320>

Prerequisites:

- CS240B (Introduction to Computer Science)
- CS300 (Discrete Structures)

Textbook:

Concepts of Programming Languages (8th edition)

by Robert W. Sebesta. Addison-Wesley, 2007

Recommended Supplementary Text:

Compilers: Principles, Techniques, & Tools (2nd edition)

by Aho, Lam, Sethi, and Ullman. Addison-Wesley, 2007

Course Description:

This course introduces the fundamental syntactic and semantic concepts underlying modern programming languages. The imperative, object-oriented, functional and logic programming paradigms will be discussed, with illustrative examples in C/C++, Java, Ada, Scheme, Python and Prolog. Major topics include:

- Context Free Grammars, Lexical Analysis and Syntactic Parsing.
- Bindings, Type Checking and Scopes.
- Expressions, Control Structures and Functions.

Grading for CS320:

- 30%: Assignments
- 40%: 2 Midterm Exams
- 30%: Final Exam

Grading for CS520N:

- 20%: Assignments
- 10%: Advanced Assignment
- 40%: 2 Midterm Exams
- 30%: Final Exam

Exam Dates:

- Midterm:** Friday, Apr 24, in class (tentative)
- Midterm:** Friday, May 15, in class (tentative)
- Final:** Wednesday, Jun 10, 12:20pm–2:20pm

Other Important Dates:

- Monday, Apr 13: Last day to add class.
- Monday, May 4: Last day to drop class.
- Monday, May 25: Memorial Day, no class.
- Friday, Jun 5: Last day of this class.

Course and Attendance policies:

Late assignments: All homework assignments are due before the class. No late submissions will be accepted without prior approval.

Attendance: It is in your best interest to attend all the lectures. Some of the material will not be found in the textbook. Extra credit will be awarded for class activity. Also, be sure to check the course website for important announcements on a regular basis.

Academic Dishonesty Policy:

All work must be the student's own. All external references used in reports must be properly cited. No credit will be given for duplicate or plagiarized work. Stronger measures, within the guidelines of the Student Handbook, may be taken when conditions warrant. The OU Student Code of Conduct Policy is available online at http://www.ohio.edu/judiciaries/conduct_policy.cfm.

Other Policies:

Be sure to notify the professor of any exam conflicts or other extenuating circumstances in advance. No missed exams will be made up without prior approval.