

Programming Language Concepts

22C: 111

Spring 2007

Professor Ken Slonneger
201G MLH 335-0745
email: slonnegr@cs.uiowa.edu
web: <http://www.cs.uiowa.edu/~slonnegr/plc>
2:30 - 3:20 pm MWF (or by appointment)

Teaching Assistant Guarionex Jordan-Salivia
101C MLH 353-2328
email: gjordans@cs.uiowa.edu
4:30 - 5:30 MWF (or by appointment)

DEO Jim Cremer
14D MLH 335-0746
email: cremer@cs.uiowa.edu

Course Objectives

Provide an understanding of the principles on which programming languages are based so that you can:

- 1) Learn a new programming language rapidly.
- 2) Evaluate languages and language features.
- 3) Use languages more effectively.
- 4) Design languages or extensions to languages.

Textbook

Lecture Notes, Ken Slonneger, *Zephyr Copies*, 124 E. Washington St.

| | | | |
|----------------|--------------------------|-----|---------------------------|
| Grading | Assignments and Quizzes | 20% | |
| | Attendance/Participation | 4% | |
| | Exam One | 18% | Friday, February 16 |
| | Exam Two | 18% | Friday, March 23 |
| | Exam Three | 18% | Friday, April 20 |
| | Final Exam | 22% | Thursday, May 10, 7:30 am |

Grades will be calculated using pluses and minuses.

Homework

- 1) Written assignments over topics that we have studied
- 2) Programming assignments in ML, Prolog, and maybe other languages.

Policies

- 1) You are encouraged to discuss the course material with other students, but all written work and programming projects must be your work alone. The grader will be looking for similarities in assignment submissions.
- 2) The Departmental policy with regard to cheating suggests a penalty between a zero on the assignment and an F in the course for a first offense. A second offense will result in a penalty between an F in the course and a recommendation of expulsion to the Dean of the College. The full policy on

academic misconduct is on-line in the College's Student Academic Handbook (http://www.clas.uiowa.edu/students/academic_handbook/ix.shtml).

- 3) I need to hear from anyone who has a disability, which may require some modification of seating, testing or other class requirements so that appropriate arrangements may be made. Please contact me during my office hours. Students with disabilities should also contact the Office of Student Disabilities Services (335-1462).

Amount of Work Expected

The College guideline is that one semester hour of credit is the equivalent of approximately three hours of work (class time + out-of-class preparation) each week over the course of a whole semester. In a typical lecture/discussion course, each hour of class normally entails at least two hours of outside preparation for the average student. This standard is the basis on which the Registrar's Office assigns hours of University credit for courses.

Student Complaints

A student who has a complaint related to a Computer Science course should follow the procedures summarized below. The full policy on student complaints is on-line in the College's Student Academic Handbook (http://www.clas.uiowa.edu/students/academic_handbook/ix.shtml)

- Ordinarily, the student should attempt to resolve the matter with the instructor first. Students may talk first to someone other than the instructor (for instance, to the department's director of undergraduate studies, the departmental executive officer, or the University Ombudsperson) if they do not feel, for whatever reason, that they can directly approach the instructor.
- If the complaint is not resolved to the student's satisfaction, the student should go to the course supervisor (if the instructor is a teaching assistant) or to the departmental executive officer.
- If the matter remains unresolved, the student may submit a written complaint to the associate dean for academic programs. The associate dean will attempt to resolve the complaint and, if necessary, may convene a special committee to recommend appropriate action. In any event, the associate dean will respond to the student in writing regarding the disposition of the complaint.

For any complaint that cannot be resolved through the mechanisms described above, please refer to the College's Student Academic Handbook for further information.

Student's Rights and Responsibilities

Students are expected to follow the University's Code of Student Life, and any academic misconduct is taken seriously. Students who are physically or verbally disruptive in a class may be dealt with summarily by the instructor or referred to the dean of students. The instructor reports in writing to the dean of students any disciplinary action undertaken against a student. Inappropriate classroom behavior is a violation of the Code of Student Life. If you have questions, please talk to your instructor, your adviser, or CLAS Academic Programs & Services. Inappropriate classroom behavior may include, but is not limited to: disruption of the classroom atmosphere, for example by sleeping or by reading non-class materials; engaging in non-class activities, for instance, talking on a cell-phone, working on another class assignment, and so on; inappropriate use of profanity in classroom discussion; use of abusive or disrespectful language toward the instructor, a student in the class, or about other individuals or groups.