CSCI 330 Spring 1999 January 12, 1999

SYLLABUS

1-2	Jan 11-15	*Introduction and History* Readings: Chapters 1 and 2. Homework: Problems 1, 8, 10, 17 pp.34--35; Problems 1, 5, 6, 7, 13, 16, 17, 18 pp.103--104, due 1/29.
	Jan 18	Dr. Martin Luther King, Jr. Service Day
3	Jan 19	*Functional Programming Languages* Readings: Chapter 14; John Backus Video on FP. Homework: FP Programming Assignment, TBD
4-14	Jan 21-Feb 25	*The ML Programming Language* Readings: Ullman, TBD. Homework (programming): Exercises TBD.
11	Feb 16	Midterm Exam
	Feb 22	Last day to drop without failure
15-16	Mar 2-4	*Logic Programming Languages* Readings: Chapter 15. Homework (programming): Problems 3 and 4 p.638.
	Mar 7-14	Spring Break
17-19	Mar 16-23	*Describing Syntax and Semantics* Readings: Chapter 3. Homework: TBD
20-21	Mar 25-Mar 30	*Names, Bindings, Type Checking, and Scopes* Readings: Chapter 4. Homework: TBD.
22-23	Apr 1-6	*Data Types* Readings: Chapter 5. Homework: TBD.
	Apr 5	Easter Holiday
24	Apr 8	*Expressions and Assignment Statements* Readings: Chapter 6. Homework: TBD.
25	Apr 13	*Control Structures* Readings: Chapter 7. Homework: TBD.
26-29	Apr 15-Apr 27	*Subprograms* Readings: Chapters 8 and 9 Homework: TBD.
	May 1	Final exam (2pm, Saturday)

Name of the course: Programming Language Structures
Classroom and time: SUM213, 2-3:15 TTh
Instructor: Marco Valtorta, SUM206A, 7-4879
Office hours: TBD
Grading policy:

Quizzes: 5%
Homework (other than programs): 20%
Programming assignments: 30%
Midterm : 10%
Final exam: 35%
Some quizzes will be based on the assigned readings. Homework must be turned in typed; exceptions will be made for assignments requiring figures or unusual formatting. The maximum grade on a homework assignment or program is 20 points. Two points are lost if the assignment is up to one day late; three points are lost if the assignment is turned in before the class period following the due date. Ten points are lost if the assignment is turned more than one class period late. The instructor will assign a zero to an assignment that is a more that a week late.

Each student is expected to attend all classes for this course and is responsible for all material covered in class or assigned. In particular, absence from more than five scheduled classes, whether excused or unexcused, is excessive, and may result in a grade penalty.

Each student should follow the University Code of Student Academic Responsibility and turn in his or her work. You are encouraged to discuss the material you study, but you must do your homework individually, unless an assignment is explicitly designated as a team assignment. The minimum penalty for a violation will be a zero on the work involved. In addition, an honor code violation wil be subject to the penalties described in the USC Community Student Handbook and Policy Guide.

Programs in FP, ML, Prolog, and possibly other languages, will be assigned during the course. Each student must hand in a printout of his/her program. The programs must also be available on the DecStations (unless other agreements are made) including the source code (for all programs) and executable code (for compiled programs), The programs must be placed in separate directories immediately below your home directory and named after the programming language used. If you feel it necessary or useful, include a README file indicating how the program(s) in the directory are to be used. Please comment your programs.

The required textbooks are:
Sebesta, Robert W. *Concepts of Programming Languages*, fourth edition. Reading, MA: Addison-Wesley, 1999; Ullman, Jeffrey D. *Elements of ML Programming: ML97 Edition*. Englewood Cliffs, NJ: Prentice-Hall, 1998. These texts are available at the USC bookstore.