Coordinates:
Time: 9:10am – 10:00am, MWF
Location: OLHM, room 1136
(Lab Wed 2:10 – 5:00pm, Engr II 226)

Instructor:
Christian Shelton
cshelton@cs.ucr.edu
office hours: Wed 10:00am – noon, Engr II 327

Text: *Modern Programming Languages: A Practical Introduction* by Adam Brooks Webber

Course Purpose: This class will explore the range of computer programming languages through both abstract concepts and their implementations in three languages: ML, Java, and Prolog. This study will highlight the choices in designing a programming language and allow students to better understand languages they currently know and more quickly learn new languages.

Class Schedule:

week		Monday		Wednesday		Friday		Due
1	1/5	Systems	Ch 1,4	Syntax	Ch 2–3	ML (I)	Ch 5	**PS 1**
2	1/12	Types	Ch 6	Polymorphism	Ch 8	ML (II)	Ch 7	**PS 2**
3	1/19	*Holiday*		ML (III)	Ch 9	ML (IV)	Ch 11	**PA 1**
4	1/26	λ-Calculus	notes	**Midterm I**	Ch 1–10	Scope	Ch 10	
5	2/2	Variable Alloc.	Ch 12	Variable Alloc.	Ch 12	Java (I)	Ch 13,15	**PA 2**
6	2/9	Memory Alloc.	Ch 17	Objects	Ch 16	Java (II)	Ch 17	**PS 3**
7	2/16	*Holiday*		**Midterm II**	Ch 12–17	Exceptions	Ch 17	
8	2/23	Parameters	Ch 18	Prolog (I)	Ch 19	Prolog (II)	Ch 20	**PA 3**
9	3/2	Prolog (III)	Ch 20	Cost Models	Ch 21	Semantics	Ch 23	**PS 4**
10	3/9	Semantics	Ch 23	(slack)		History	Ch 24	**PA 4**

Final: 8:00am-11:00am on March 21st

Course Work: The four problem sets (**PS**) will be due on Friday of the week listed above. **Students may work in groups of no more than 3 students on the problem sets.** Each student must submit his or her own solutions. Solutions must list other students who collaborated as well as any external materials.

The four programming assignments (**PA**) will also be due on Friday of the week listed. They will involve writing programs in the languages covered. All language systems have been installed on lab machines and are available for free download. **Students must complete the programming assignments individually, without collaboration with other students or other sources.**

Absolutely no late assignments will be accepted. By enrolling in this course, you are agreeing to the assignment schedule above. It is your responsibility to schedule your time so that you can turn in the work on time. Correspondingly, you must take the exams at the official time and place.

The first midterm will cover material through the lecture before the midterm. The second midterm will cover material since the first midterm and through the lecture before the midterm. The final will be comprehensive.

Cheating: I have caught cheaters in the past. I will continue to pursue the maximum punishment for any students I find to have cheated.

Grade: Your grade will be based on the following percentages.

Problem Sets	5% each
Programming Assignments	10% each
Midterms	10% each
Final	20%