

COP 4020 – Programming Languages I

Spring 2006 Syllabus

Course Prerequisites: COP 3530C

Class Meets: Monday & Wednesday from 9:00 - 10:15 a.m. in CSB 221

Instructor: Eurípides Montagne

Office: CSB 239 **Office Hours:** Monday: 10:30 – 11:30 a. m.
Tuesday 12:00 – 2:00 p. m.
Wednesday 10:30 – 11:30 a. m.
Thursday:12:00 – 1:00 p. m.

Phone: 407-823-2684

E-mail: eurip@cs.ucf.edu

Course Web Site: www.cs.ucf.edu/courses/cop4020/spr2006

Teaching Assistant: Hao Cheng

E-mail: haocheng@cs.ucf.edu

Course Objective:

This course is designed to provide a fundamental understanding of the design and implementation issues surrounding programming languages. Students will be exposed to a variety of programming languages during the course including functional and logic languages.

Texts: The following text is required:

Concepts of Programming Languages, 7th edition, Robert Sebesta, Addison-Wesley, 2006, ISBN: 0-321-33025-0.

The text will be supplemented with additional notes that I will provide for you via the course web site.

Grading:

Three exams will be given, two midterm exams and a final exam. Exams are given once – be there as there are no dropped test scores. There will be three or four programming assignments. Programs are to be submitted on or before the specified due date and time. Late programs will suffer a 10% per day penalty. The programming assignments are to be individual efforts.

3-4 programming assignments	40%
First Midterm exam	15%
Second Midterm exam.....	15%
Final exam	30%

The following grading standards will be used to determine your letter grade for the course.

90-100	A	(4.00)
88-89	A-	(3.75)
85-87	B+	(3.25)
80-84	B	(3.00)
78-79	B-	(2.75)
75-77	C+	(2.25)
70-74	C	(2.00)
68-69	C-	(1.75)
65-67	D+	(1.25)
60-64	D	(1.00)
58-59	D-	(0.75)
0-57	F	(0.00)

Some Important Dates:

Last Day to Withdraw: [Friday March 3rd](#)

First Midterm Exam: [Wednesday February 15th](#)

Second Midterm Exam: [Wednesday March 29th](#)

Final Exam: [Wednesday April 26th \(7 a. m. to 9:50 a. m.\)](#)

Holidays: [Monday January 19th,](#)

[Monday March 13th to Saturday March 18th \(Spring Break\)](#)

Topics To Be Covered: Tentative

1. Introduction and Preliminaries: Chapter 1
2. History and Evolution: Chapter 2
3. Functional Programming and Lisp: Chapter 15
4. Syntax and Semantics (parsing, CFGs, and dynamic semantics): Chapter 3
5. Binding, Scope, and Data Typing: Chapters 5 and 6
6. Expressions, Assignment Statements, and Control Structures: Chapters 7 and 8
7. Logic Programming and Prolog: Chapter 16
8. Subprograms: Chapters 9 and 10
9. Concurrency: Chapter 13
10. Lexical and Syntactic Analysis: Chapter 4 (time permitting)
11. Exception Handling and Event Handling: Chapter 14 (time permitting)

This is a general time frame only and is subject to the needs of the class. It will be altered without notice, but will generally follow the same progression. At the end of each class I will tell you what we will be discussing during the next class period.