

**Introduction to Programming - Lisp
COMP-260, Section 2176**

**Contra Costa College
Spring 2007**

Class Hours: TuTh 12:40 – 2:00 PM CCTC-132
Lab Hours: TuTh 2:10 – 3:30 PM CCTC-132
Requirements: You must also be enrolled in **COMP-095C, Section 6694**
Text: *Structure and Interpretation of Computer Programs*, by Abelson and Sussman)
Online Text: <http://mitpress.mit.edu/sicp/full-text/book/book.html>
Lisp Interpreter: <http://download.plt-scheme.org/drscheme/>
Course Website: <http://www.contracosta.edu/CS/murphy/COMP-260>

Instructor: Tom Murphy
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Office Hours: M-Th 11:30-12:30, W 3:30-4:30
Units: 4
Method of Instruction: Lecture and Lab

Overview:

This course provides an introduction to computer science using the LISP programming language and techniques of functional programming. Topics include methodologies for program design, development, style, testing, and documentation; algorithms, control structures, sub-programs, and elementary data structures. This course covers functions and list structures; operations on lists, recursion, iteration, programming style; and Lambda expressions. The course includes laboratory problems using a LISP interpreter. Not repeatable.

Tentative Schedule:

Date	Today's Reading	Hw due today	Date	Today's Reading	Hw due today	Lab due today
Jan 15	Martin Luther King, Jr.'s Birthday					
Jan 16	Overview		Jan 18	1 - 1.1.5		
Jan 23	1.1.6 - 1.1.8	p20 1.1-1.4	Jan 25	1.2 - 1.2.2	p25 1.6-7	
Jan 29	Last day to drop with refund					
Jan 28-30	Navajo Workshop		Feb 1	1.2.3-1.2.6	p36 1.9-12	
Feb 6	1.3-1.3.2	p46 1.16-18, p54 1.22	Feb 8	1.3.3-1.3.4	p60 1.29-30, p66 1.34	
Feb 9	Legal Holiday, Lincoln's Birthday					
Feb 12	Last day to drop without a "W"					
Feb 13	Chap 1 Review	p71 1.37, p77 1.41-42	Feb 15	2 - 2.1.3		
Feb 19	Legal Holiday, Washington's Birthday					
Feb 20	2.1.4	p87 2.1, p90 2.2, p92 2.4	Feb 22	2.2-2.2.2	p94 2.7-8	
Feb 27	2.2.3	p103 2.17-8, p106 2.21, p110 2.24	Mar 1	2.2.4		
Mar 6	2.3-2.3.3		Mar 8	2.3.4		
Mar 13	2.4-2.4.2		Mar 15	2.4.3		
Mar 20	2.5-2.5.1		Mar 22	2.5.2-2.5.3		BlackJack
Mar 27	1 & 2 Review		Mar 29	Midterm		
Mar 30	Legal Holiday, Cesar Chavez Day					
Apr 2-6	Spring Recess					
Apr 9-13	Out of Class					
Apr 17	3-3.1		Apr 19	3.2		
Apr 24	3.3-3.3.3		Apr 26	3.3.4-3.3.5		
Apr 27	Last day to drop with a "W"					
May 1	3.4-3.4.1		May 3	3.4.2		
May 8	3.5-3.5.3		May 10	3.5.4-3.5.5		Adventure
May 15	1,2 & 3 Review		May 17	Final		

Grading

Daily Quizzes	1 DQ point per exam	(15% total)
Homework	1 H point per problem	(15% total)
Midterms and Final		(20% total)
Midterms and Final		(30% total)
Lab Work	1 L point per lab	(20% total)

Grading Option

This is a student choice class.

Grading Scale

Your final **grade** is based on the Daily Quizzes, Homework, Lab Work, Midterms, and Final, in the proportions shown above, as well as any Extra Credit opportunities which may be provided.

A	90% - 100%	Credit	65% - 100%
B	80% - 89%	No Credit	0% - 64%
C	65% - 79%		
D	50% - 64%		
F	0% - 49%		

Ground rules

- 1) Contents of this syllabus are subject to change with notification. See the above course URL for the latest version.
- 2) I will give you my respect. I expect your respect for all others in the course.
- 3) You are responsible for the material of this course, as assigned in the readings, whether or not you are in class, and whether or not I cover it in class. If you don't understand, then ask questions: in class, with a tutor, during office hours, or at some time we arrange.
- 4) A Daily Quiz is administered at the beginning of class. There is no makeup for these quizzes.
- 5) Midterm will be given during the lab time on Mar 22, as shown in the schedule. Exams must be taken when scheduled and are open book. Choose a seat for exams so that all seats next to you are empty. Make up exams will not be given without prior approval.
- 6) Labs are a programming task due on the date shown in the syllabus. Sign up for a 10 minute grading session with me during the lab time where you will compile and run your program with a comprehensive test suite.
- 7) Lecture and Laboratory attendance is required. I may choose to drop you if you miss more than six sessions without prior approval.
- 8) Homework is due in the beginning of class. Late homework will not be accepted. Expect to work at least six hours per week on course material outside of class and lab time. One problem, chosen at random, will be the basis for the grade of each assignment.
- 9) Opportunities for Extra Credit work may be given to stimulate student thinking and improve knowledge of course material.
- 10) I encourage you to work with other people on homework and lab assignments. You or they may be able to explain something more clearly than I say it. However you must own, i.e. fully comprehend, all work you turn in to me.
- 11) Students with learning, physical, or psychological disabilities can discuss their needs with the staff in the DSPTS office located in H19.
- 12) Tutoring may be available from the tutoring center in AA-213. Consider using them to build your knowledge.
- 13) During the course, various handouts may be distributed during lecture or lab. Handouts are only available on the day they are passed out. If you miss receiving a handout, borrow the "missed" handout from a classmate and make yourself a photo-copy.
- 14) Radios or other listening devices may not be used in the laboratories or classrooms. Turn off any of your audible alarms.
- 15) Neither food, nor drinks, nor children may be brought into the classroom or laboratories.