

CGS 3460 Computer Programming Using C, spring 2006
Syllabus

/* Version 0.2 */

Course Overview () {

This course covers fundamentals of C programming language, and explores what constitute good programming practices. The course is designed to be introductory hence no prior programming experience is required. Students are expected to learn how to program through hands-on exercises, which translate to spending considerable time outside of the class developing C programs.

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Objectives () {

Students are expected to be able to understand, implement and debug practical computer programs using C language at the end of the semester. In particular, they should be able to:

- ◆ Read and understand C programs.
- ◆ Discuss basic theory and practice of programming.
- ◆ Design and implement practical programs using C language.
- ◆ Use compiler and feel comfortable with UNIX(-like) environment.
- ◆ Identify and fix common C errors.

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Teaching Staff () {

Instructor: Hen-I Yang
Office: E 309 (Temporarily)
Phone: TBA
Office Hour: MWF, 4th period, or by appointment.
Email: hyang@cise.ufl.edu

Teaching Assistants

Gang Liu	galiu@cise.ufl.edu	Tu 6 – 9 th periods
Zhen Yang	zhyang@cise.ufl.edu	M 5—7 th , Th 3 – 5 th periods
Office:	E 309	

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Administrivia () {

- Text Book: C Programming - A Modern Approach,
K. N. King, W. W. Norton & Company (1996)
ISBN: 0393969452
(Required)
Absolute Beginner's Guide to C, 2nd Edition
G. Perry, SAMS (1994)
ISBN: 0672305100
(Recommended)
- Prerequisites: MAC 1147 or equivalent.
- Course Web Site: <http://www.cise.ufl.edu/class/cgs3460sp06>
- Optional Exam: There will be an optional comprehensive exam. The date is to be determined.

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Outline of Course Topics () {

The following is a list of topics to be covered throughout the semester.

1. Introduction to Programming
2. Fundamentals of C
3. Introduction to UNIX and programming environment
4. Formatted Input and Output
5. Expression, Selection, Iteration
6. Basic Types
7. Arrays
8. Functions
9. Program Organization
10. Pointers
11. Arrays
12. Preprocessors
13. Struct, Union, Enums
14. Program Design
15. * Advanced Material (Declaration, Low Level C Programming, Standard Library, I/O) maybe adjusted based on availability of time and interests of students

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Course Policy () {

/ Grading */*

There will be 6 assignment-quiz sets. The best five grades out of the six sets will be counted toward your final grade, with each account for 20%. The grades of an associated quiz would be used to adjust the grades students received for that particular assignment.

There will also be an optional exam toward the end of the semester, which will be comprehensive and is used to supplement and adjust your final grade.

/ Class Attendance */*

Class attendance is required. Announcements, reading assignments and some sample code may be available on the course website, but it would be minimal and the completeness is not guaranteed. Students should not substitute these materials for the in-class learning experience.

/ Exam and Assignment */*

Since the only exam is optional, there will be no makeup exam under any circumstances. Late assignments will be accepted with a penalty of 10 points every 12 hours, for up to 2 days. Students who wish the grade of one particular assignment-quiz set to be considered must take the associated quiz. Only under emergencies or extreme circumstances would a makeup quiz be considered. In those cases, official documentations must be provided to the instructor stating the reason for requesting the makeup quiz, preferably in advance.

/ Exercise */*

Exercises related to the material covered in each lecture may be given in class. They are recommended and may be discussed in class as appropriate, but not be graded.

/ Academic Honesty */*

NO CHEATING WILL BE TOLERATED ON EXAMS, QUIZZES OR ASSIGNMENTS. Copying the work of others, as well as allowing others to copy your work is prohibited. You are responsible for all the material submitted for grading, and what you turn in must be your own original work. The instructor reserves the right to test you, your code, or have you explain your work and adjust your grade accordingly. ALL ASSIGNMENTS ARE INDIVIDUAL PROJECTS. You are allowed to use the sample code from the course website, the textbook, or your