COP 3275 - Computer Programming Using C Spring 2016

University of Florida

Department of Computer & Information Science & Engineering Gainesville

1. Catalog Description

• COP 3275 - Computer Programming Using C
• Section: 072E
• Credits: 3
• Description: An introduction to the basic concepts of software and hardware is provided. Knowledge related to computer programming will be detailed out. Various interesting and classical problems will be taken as examples to learn C language.

2. Prerequisites

Prior knowledge of C is neither expected nor desired. The primary prerequisite of this course is MAC 1147 or equivalent.

3. Course Objectives

• The primary objective of this course is to prepare students on how to use C language to do small to medium projects working individually.
• The depth and rigor of the course will be more than the scope of introduction of C programming. After finishing this course, students are expected to be able to describe and implement programmed solutions to challenging and classical problems using procedural programming paradigm.
• Throughout the lectures, exercises, homework, and projects, students are expected to master the C programming language.

4. Instructor, Office Hours and Textbook

Instructor: Xi Tao
Email: xtao@cise.ufl.edu
Office hours: Wednesday: 10:40 AM – 11:30 AM @ CSE E323
ANSI C on UNIX by Paul Wang http://www.sofpower.com/pub bk01.html

5. Teaching Assistants and Office Hours

Please check the course website for details

6. Meeting Times and Meeting Location

Time: Monday, Wednesday, and Friday: Period 3 (9:35 AM - 10:25 AM)
Location: Turlington Hall, Classroom L005

7. Course Contents

This course is designed to provide a substantial exposure to the C programming language. Features of the C language that are emphasized include
• Data types and variables
• Expressions
• Loop concept (while, for)
• Break and continue
• Arrays
• Functions
• Pointers
• Strings
• Structs and enumerations
• Text files, and I/O

Students will develop a sense of proper programming style in the C idiom, and may be exposed to cross-platform portability issues. Students should also gain sufficient understanding of computer systems and programming concepts to be prepared to learn what is needed to tackle future programming challenges.

8. Attendance

You are highly encouraged to come to class, and go over with the materials with the instructor. This will eventually save you a lot of time.

9. Grading Policy

Students assessment will be based on four projects (10 % each) and three exams (20 % each). Late submissions are only acceptable within the next 24 hours after due date, with 20% grade deduction. No submissions will be accepted after that.

A "C-" will not be a qualifying grade for critical tracking courses. In order to graduate, students must have an overall GPA and an upper-division GPA of 2.0 or better (C or better). Note: a C- average is equivalent to a GPA of 1.67, and therefore, it does not satisfy this graduation requirement. For more information on grades and grading policies, please visit: https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

The following table shows the general cut-offs for grading.

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10. Honesty Policy

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code.” On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code (http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class. Note that failure to comply with this commitment will result in disciplinary action compliant with the UF Student Honor Code Procedures. See http://www.dso.ufl.edu/sccr/procedures/honorcode.php

11. Feedback
Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at https://evaluations.ufl.edu. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at https://evaluations.ufl.edu/results. Your voices are important to me and to this class.

12. Accommodation for Students with Disabilities

Students requesting classroom accommodation must first register with the Dean of Students Office. That office will provide the student with documentation that he/she must provide to the course instructor when requesting accommodation.

13. UF Counselling Services

Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include:

• UF Counseling & Wellness Center, 3190 Radio Rd, 392-1575, http://www.counseling.ufl.edu/cwc/Default.aspx, counseling services and mental health services.

• Career Resource Center, Reitz Union, 392-1601, career and job search services.

• University Police Department 392-1111.

14. Software Use

All faculty, staff and student of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.