CSCI 202: *Introduction to Data Structures*

General information

The instructor for Section 1 of CSCI 202 is Dean Brock. UNCA's CSCI 201, *Introduction to Algorithm Design*, is the prerequisite for CSCI 202; however, any student who has studied a high-level programming language, such as Pascal or FORTRAN, in a one-semester course should be adequately prepared for CSCI 202.

The course meets on Monday, Wednesday, and Friday from 10:00 AM to 10:50 AM in Robinson 217. The textbook for the course is *Data Structures and Program Design in C* written by Kruse, Leung, and Tondo and published by Prentice Hall (ISBN 0-13-725649-3). The objective of the course is not to study yet another programming language, but rather to study the art of programming. During the semester, you *should* learn quite a lot about the tools and techniques of the successful programmer. These include data structures and algorithms, along with methodologies for program construction.

In CSCI 202 there will be several programming assignments. All programs will be graded for both correctness and style. Style refers to the expression of your program -- Can it be clearly understood by the reader? Does it contain elements that can be used to build other useful systems?

Grades will be based on a combination of graded homework, *three* in-class exams, and one final exam. The weights given to the various forms of graded material are:

- 40% Homework
- 36% In-class exams
- 24% Final exam

The final exam will be given on Friday, May 13, from 10:00 PM to 12:30 PM. The in-class exams will be given about once every four weeks.

Programming assignments may be completed either using Turbo C or Unix C. Assignments are turned in by submitting both a printed and an electronic copy of the program. All homework is expected at the beginning of class on due dates. A penalty of 10% will be deducted for each day an assignment is late. Unless explicitly permitted in the statement of a homework assignment, programs are to be solely the product of your own intellectual effort. If your program, or any part of your program, can be derived from another by mechanical means, such as the substitution of identifier names, expect to receive a 0 for the assignment.

My office hours are Monday and Wednesday from 1:00 PM to 3:00 PM. I do frequently read electronic mail and sending a message to my computer account, `brock@cs.unca.edu`, is often the best way to get a prompt response to a question.