

COMP 3150
Programming in C/C++
Fall Term, 2018 TR 7:10 pm – 8:35 pm
233 Dunn Hall
Daniel C. Sweeney, Instructor

Instructor Contact Information

My email address is dsweeney@memphis.edu
My office hours are by appointment.

Course Description and Prerequisites

Introduction to C/C++; software development environments; primitive data types, pointer, reference, struct; user defined structures; memory management; control statements; function; file I/O; introduction to object-oriented programming; C++ class; input and output with streams; inheritance, overriding, polymorphism; Standard Template Library. PREREQUISITE: COMP 2150, or permission of instructor.

Course Objectives

- Be proficient in using the basic constructs of C/C++ to develop computer programs
- Can apply the computer programming techniques in C/C++ to solve practical problems
- Learn the best practices which surround C/C++ programming.

Course Resources

The recommended textbook is:

C How to Program Eighth Edition, by Deitel ISBN 0133976890

All other course materials will be posted to the university's eCourseware system at

<https://elearn.memphis.edu>.

Evaluation

Your grade for the course will be based on your score 7 homework assignments worth 10 points each and a final exam worth 30 points, for a total of 100 points. The homework assignments will consist of programs written to fulfill certain requirements. The final exam will be 30 multiple choice questions based on the classroom discussions.

Grading Scale

Grading is done per the university's grading scale policy. An A is awarded for a total point score greater than 92, an A- for a score of 90 or 91, a B+ for a score of 88 or 89, a B for a score between 82 and 88 inclusive, etc.

Course Requirements and Expectations

Class attendance is optional, but students are responsible for all class materials and assignments. Make up work will be handled on an individual basis.