

CSCI-14/001 Introduction to Structured Programming in C++ Spring 2012 4 units
TTh 6:00-7:15, room 3902, plus lab TTh 7:20-8:35 room 3906A
Instructor: Keith Mehl Office: 2019 e-mail: kmehl@chabotcollege.edu Phone: 723-7493
Web site: <http://www.chabotcollege.edu/faculty/kmehl>
Office Hours: MW 4:00-5:15 PM, TR 2:00-2:50 PM and by chance/arrangement. During my office hours, check both 2019 and 3906A as I may go back and forth.

Introduction to structured programming and problem solving using the C++ language. Problem solving techniques, algorithm design, testing and debugging techniques, and documentation standards. C++ syntax: elementary operators, data types, control structures, user-defined and library functions, basic input/output, sequential files, arrays and structs. Appropriate for students with little or no programming experience, but comfortable using computers with modern GUI operating systems. Prerequisite: Math 54, 54L, 55, 55B or 55L, or CSCI 7 (completed with a grade of "C" or higher).

This is an introductory computer-programming course. This is NOT an introductory computer-using course. I assume you are completely familiar with the Windows operating system as a user: i.e., you can move around in the directory tree; can use an editor (e.g., Notepad); can start, execute, and stop programs; and can create, delete, print and copy files. For this course, you will need good verbal and written communications skills, good general mathematics skills, and good problem-solving skills. You should also be (or **very** soon become) generally familiar with the DOS Command shell. If you do not have this minimal background, you should take CSCI-7 and/or appropriate Math or English courses before trying to take this course. You should get a USB flash drive to store work for this course – DO NOT save work to the desktop in the labs.

This is a demanding course and will require considerable out-of-class effort. Be here on time, every time, and keep up. If you find you cannot make class on several days during the term, or are often late, DROP.

Text: Tony Gaddis, Starting Out With C++, 7th ed., ISBN-10 0-13-257625-2, ISBN-13 978-0-13-257625-2, Pearson Addison Wesley. If you want to use a different book, clear it with me first. The 6th edition is fine.

Grading policy:

Programming assignments/labs	15%	(assignments are worth more than labs)
Numerous short (pop) quizzes	10%	(I will adjust quiz scores)
The final programming project	5%	(BUT -- see below)
Midterm exam (probably week 8)	30%	
The final exam	40%	(must be taken as scheduled)

THERE WILL BE NO MAKEUP EXAMS OR QUIZZES. If you cannot make an exam, you MUST contact me BEFORE the exam. If you miss more than 2 quizzes I will drop you from the course. You must take the final to pass the course. You must turn in the final programming project (essentially working) to make a grade of C or higher. **Programs (except assignment 0 and labs) submitted without output (or input files where needed) will not be graded.** I will abide by the add/drop/NGR dates on the Chabot College Web site. Class Policies: Do not use cell phones or iPods in class AT ALL. Keep laptop use related to lecture. Do not bring food or open beverage containers to class. Do not engage in side conversations, even quietly.

Approximate grade ranges: 90%-up - A, 80%-89.9% - B, 65%-79.9% - C, 55%-64.9% - D, less than 50% - F. I may adjust these ranges depending on the overall performance of the class, however, I will grade ONLY by the number of points you accrue.

I want you to work in small groups on the lab assignments. Do your own work on the homework programs and final project. Copying programs will result in severe consequences, possibly including a grade of F in the course. Please, ask me for help, not your classmates. It's my job...