

CIS 210 PROGRAMMING IN C++ (Spring 2014 Semester)

Instructor: Walid Ghanim
Phone: 355-6428

Office: 802B (office hours are posted)
Instructor email: walid.ghanim@imperial.edu

Text and Materials An Introduction to Programming with C++ **Sixth Edition**

Author: Diane Zak ISBN: 9780538466523

Additional Materials: Storage Media.

Course Description: This is a beginning course in programming in C++ to prepare programmers and students of closely related occupations for employment in business and industry. Syntax of the C++ language will be emphasized. The course covers program design and logic, program development, and provides hands-on experience in realistic application programming.

Recommended Preparation: Knowledge of a computer programming language.

Student Learning Outcomes:

Upon completion of this course, the student will be able to:

- Design programs so that they are easy to read, debug, modify and maintain.
- Write well-designed structured C++ programs in their entirety.
- Be familiar with programming tools such as pseudocode and hierarchy charts.

Grade: Your class grade is based on the following:

Chapter Tests.....	30%
Projects	20%
Midterm.....	25%
Final	25%

Reduction of points will result from any of the following:

- Non-documentation of programs
- Late submitted work.
- Non-participation in course activities.

Any student with a documented disability who may need educational accommodations should notify the instructor and the Disabled Student Programs and Services (DSP & S) office as soon as possible.

DSP&S
Room 2117 Health Sciences Building
(760) 355-6312

If an emergency prevents you from attending class, it is your responsibility to obtain notes from a classmate and study them for understanding. If class notes and the text do not provide sufficient explanation, please call or see the instructor during office hours. All work submitted for grading must be your own.

Withdrawing from the course: Maintain control of your own records. If you decide not to continue in this class, please drop the course via Webstar prior to the drop deadline. Do not automatically assume the instructor will do this for you

Course Schedule

Week 1 Course Introduction
Week 2 Chapter 1 Introduction to Computers and Programming
Week 3 Chapter 2 Beginning the Problem-Solving Process
Week 4 Chapter 3 Completing the Problem-Solving Process & Getting Started with C++ (Exam Chapters 1 & 2)
Week 5 Chapter 4 Variables, Constants, and Arithmetic Operators
Week 6 Chapter 5 The Selection Structure (Exam Chapters 3 & 4)
Week 7 Chapter 6 More on the Selection Structure
Week 8 Chapter 7 The Repetition Structure
Week 9 Midterm Exam (Chapters 1-7)
Week 10 Chapter 8 More on the Repetition Structure
Week 11 Chapter 9 Value-Returning Functions
Week 12 Chapter 10 Void Functions (Exam Chapters 8 & 9)
Week 13 Chapter 11 Arrays
Week 14 Chapter 12 String Manipulation
Week 15 Chapter 13 Sequential Access Files
Week 16 Final Exam

The above schedule and procedures are subject to change in the event of extenuating circumstances.