CIS 22A: Beginning Programming Methodologies in C++

Green Sheet

COURSE DATA

Course number:	CIS 022A-61Y
Course title:	Beginning Programming Methodologies in C++
Term:	Winter 2016
Instructor:	Hann So email: sohann@fhda.edu http://voyager.deanza.edu/~hso/cis22a voice mail message: 864-8999 x3246 My email is the preferred method of contact. If you email me, I will respond within 24 hours.
Number of credits:	4.5
Number of hours per week:	Four hours lecture, seven hours laboratory (66 hours per quarter)
Schedule:	Lecture: 6:00 - 7:00 PM TTh AT202 Lab: 7:00 - 7:50 PM TTh AT203 Online Lab: 8:00 - 9:15 PM W Online Office Hours: 4:00 - 5:00 PM Th
Required textbooks:	Starting Out with C++: From Control Structures to Objects, 8th Edition by Tony Gaddis. Addison-Wesley. ISBN-13: ISBN-13: 9780133796339 De Anza College Bookstore Phone: 408-864-8907 or 864-8949 http://books.fhda.edu/fhda/

Welcome

Welcome to Beginning Programming Methodologies in C++. I am pleased you are joining us for this class. I want to take this opportunity to welcome you and to give you an overview of what to expect and what you need to do next.

Course Description

This course is introduction to computer programming. Its primary objective is to teach problem solving using the C++ programming language. Emphasis will be placed on structured procedural programming with an introdcution to object-oriented programming.

General Purpose

The Student Learning Outcomes are:

- Design solutions for introductory level problems using appropriate design methodology incorporating elementary programming constructs.
- Create algorithms, code, document, debug, and test introductory level C++ programs.
- Read, analyze and explain introductory level C++ programs.

Requirements

- Access to a computer with an Internet connection and a C++ compiler.
- E-mail address
- Bring a USB jump drive to save your work and to carry work from school to home.

Attendance and Participation

Your prompt attendance is expected at all class sessions. Notify me in advance of your absence.

The end of the 8th week is the deadline for withdrawal with a "W". Please refer to the Schedule of Classes for the exact date. It is your responsibility to withdraw if desired; otherwise, the earned grade will be assigned for the quarter. See De Anza Academic and Administrative Calendar for the deadlines.

Scholarly Conduct

The De Anza College student handbook (https://www.deanza.edu/studenthandbook/academic-integrity.html), in the section titled "What is Academic Integrity? Honor Code Definition," states that "As a student at De Anza, you join a community of scholars who are committed to excellence in the teaching/learning process. We assume that all students will pursue their studies with integrity and honesty; however, all students should know that incidents of academic dishonesty are taken very seriously. When students are caught cheating or plagiarizing, a process is begun which may result in severe consequences." An infraction of Academic Integrity may result in a failing grade.

Assignments

The assignments will be graded online. When you complete an assignment, you must upload it and send me an e-mail notification that the assignment is complete. Otherwise I don't know. Your grade on the assignment will be returned electronically.

Late Work

Late work will be assigned a 10% per day penalty. Work submitted over two weeks late will earn a maximum of 10%.

Tests

There will be midterm and final exams.

Grading

Grading is on an absolute scale as shown below.

Assignments	220
Labs	400
Quizzes	110

Midterm Exam	100
Final Exam	170
Total	1000

Points	Grading
950-1000 (95-100%)	A
900-949 (90-94%)	A-
870-899 (87-89%)	B+
840-869 (84-86%)	B
800-839 (80-83%)	B-
770-799 (77-79%)	C+
740-759 (74-76%)	C
700-739 (70-73%)	C-
670-699 (67-69%)	D+
640-669 (64-66%)	D
600-639 (60-63%)	D-
0-599 (0-59%)	F

Final Grades

You may access your final grades by going to My portal at
https://myportal.fhda.edu/cp/home/displaylogin.

Schedule of Assignments

Week	Reading	Lab and Assignment
1	Introduction Ch.1: Introduction to Computers and Programming Problem-solving Process	Lab 1.1 Lab 1.2 Quiz 1 Assignment 1
2	Ch.2: Introduction to C++	Lab 2.1 Lab 2.2 Lab 2.3 Lab 2.4 Quiz 2 Assignment 2
3	Ch.2: Introduction to C++ (continued) Ch.3: Expressions and Interactivity	Lab 2.5 Lab 2.6 Lab 3.1 Lab 3.2 Quiz 3A Assignment 3
4	Ch.3: Expressions and Interactivity (continued)	Lab 3.3 Lab 3.4

		Lab 3.5
		Lab 3.6
		Quiz 3B
		Assignment 4
5	Ch.4: Making Decisions	Lab 4.1
		Lab 4.2
		Lab 4.3
		Lab 4.4
		Quiz 4A
		Assignment 5
6	Ch.4: Making Decisions (continued) Midterm Exam (Thursday)	Lab 4.5
		Lab 4.6
		Quiz 4B
		Assignment 6
7	Ch.5: Loops and Files Ch.5: Loops and Files (continued)	Lab 5.1
		Lab 5.2
		Lab 5.3
		Lab 5.4
		Quiz 5A
		Assignment 7
8	Ch.5: Loops and Files (continued)	Lab 5.5
		Lab 5.6
		Lab 5.7
		Lab 5.8
		Quiz 5B
		Assignment 8
9	Ch.6: Functions	Lab 6.1
		Lab 6.2
		Lab 6.3
		Lab 6.4
		Quiz 6
		Assignment 9
10	Ch.6: Functions (continued) Ch.7: Arrays	Lab 6.5
		Lab 6.6
		Lab 7.1
		Lab 7.2
		Quiz 7
		Assignment 10
11	Ch.7: Arrays (continued) Ch.8: Searching and Sorting Arrays	Lab 7.3
		Lab 7.4
		Lab 8.1
		Lab 8.2
		Quiz 8
		Assignment 11
12	Final Exam	

Notice on Learning Disabilities

If there are any students with a learning disability or physical challenge, you are entitled to any assistance you need to achieve your academic goals. De Anza College has an on-campus lab with talking computers, print enlargers, tactile maps of the campus, and other alternate learning options. If you or anyone you know would benefit from such a service, please call Disabled Student Services at (408) 864-8753.
TTY number: (408) 864-5650

Please also contact us if you have suggestions for making this course more learning accessible for you.

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