CSC171 Intro To Computer Science I

Fall-2004

Instructor : Katy Snyder

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Course Web Site : http://knowledge.udmercy.edu

Office Hrs:

Mon.	Tues.	Wed.	Thurs.
11:00-2:30	12:45-2:30	11:00-2:30	12:45-2:30

Text : *Programming & Problem Solving with C++, 4th ed.* by Dale & Weems

Lab book : *A Laboratory Course in C++, 4th ed.* by N. Dale

Software : Microsoft Visual C++ will be used for this course. You will receive instructions on how to obtain a copy of this software from the instructor.

Grading :
40% Tests (4)
30% Programs (3)
30% Lab Assignments

Grading Scale :

93-100% A	87-89% B+	77-79% C+	69-67% D+
90-92% A-	83-86% B	73-76% C	60-66% D
	80-82% B-	70-72% C-	0-59% F

Course Description:

Overview of Computer Organization, Algorithm Design, Introduction to Programming in C++, Input/Output Statements, Arithmetic Expressions, Conditional Statements, Control Statements, Functions and Function Calls, Math Library, I/O Library, Character Library, Introduction to Arrays, Program Testing and Debugging.

This includes chapters 1 - 10 and some material from chapters 12.

Goals :

Students will demonstrate ability to read and understand C++ programs containing the elements listed above.

Students will be able to design and implement logically and syntactically correct C++ programs containing the elements listed above.

Students will demonstrate good programming practices, which include: appropriate formatting and style as well as quality documentation.

Tests :

There will be 4 tests. They will be based on the reading, class discussion and lab work. The first part of the test will usually be multiple choice and the second part short answer (some will involve writing code).

(the instructor reserves the right to move back dates if necessary)

Test 1	Tuesday 9/28	Chapters 2, 3 & 4
Test 2	Tuesday 10/26	Chapters 4, 5 & 6
Test 3	Tuesday 11/16	Chapters 6, 7 & 8
Test 4	Thursday 12/2	Chapters 8, 9, & 12
Final Exam	Wednesday, 12/14	(Cumulative) 11:00-12:50 p.m.

LAB Assignments :

There will be weekly lab assignments. Assignments will be a based on those in the Lab book. Some labs may need to be completed outside of lab time.

Assigned Lab sheets from the lab book should be completed and turned in along with the necessary printouts.

Key cards may be requested for the 3rd floor computer lab.

Programs :

There will be 3 programming assignments. Assignments will be due at the beginning of class. Programs will be graded on documentation, functionality, and adherence to specifications. More details will be provided later.

Programs are not group projects, unless otherwise stated. Plagiarized programs will result in zero grades for all involved. Late programs will be graded down 8% for each class day late.

Make-up Policy :

Make-ups will only be allowed in extreme circumstances beyond your control. An e-mail prior to the absence (or A.S.A.P.) is expected. Students are responsible for all material missed.

Materials :

You need at least 2 HD (high density) 3_" formatted disks.

Academic Integrity :

Each student will be expected to meet the standards of academic ethics. Sanctions on will be imposed on those who fail to meet these standards according to the *Student Handbook*2of the College of Engineering and Science and the *Student Rights and Responsibilities* publication of the University of Detroit mercy.

Plagiarism will not be tolerated. Referenced work, (borrowed code) must

be cited. If a determination is made that plagiarism has occurred, all parties involved will receive zero grades and the matter will be referred to the appropriate dean(s).