CS1336.0U1 Programming Fundamentals

Summer Semester, 2016

Course:	CS 1336.0U1 (51559)
Where:	ECSS 2.203
When:	Mon & Wed : 12:30pm – 2:45pm
Co-Requisite:	CS 1136 (Lab)
Instructor:	Gordon Arnold
	gordon.arnold@utdallas.edu
Office:	ECSS 4.232
	(972) 883-7518
	Mon & Wed : 3:00pm – 4:00pm or by appointment

Course Pre-requisites, Co-requisites, and/or Other Restrictions:

Co-requisite: CS 1136.
Note that a grade of C or better in CS1336 is required in order to register for CE/CS/TE 1337.
This class cannot be used to fulfill degree requirements for majors in the School of Engineering and Computer Science.

Required Textbooks and Materials

Starting Out with C++ from Control Structures to Objects (8th Edition) by Tony Gaddis
ISBN-13: 978-0133769395 ISBN-10: 0133769399

Learning Objectives

Ability to develop algorithmic solutions for use on computers	Chapter 1-8
Ability to utilize console i/o, basic operators, and sequential processing	Chapter 2-3
Ability to utilize the basic control structures for selection logic	Chapter 4
Ability to utilize the basic control structures for repetition logic	Chapter 5
Ability to perform sequential file input and output	Chapter 5
Ability to develop programs in a procedural form	Chapter 6
Ability to process data in arrays	Chapter 7

Suggested Additional Course Materials

- Video Notes — http://www.pearsonhighered.com/gaddis
- C++ language tutorial — http://www.cplusplus.com/files/tutorial.pdf
- C++ reference — http://www.cppreference.com
- C++ tutorial — http://www.learncpp.com/

Tentative Schedule

Monday, May 23	Basic Computer Architecture	Ch 1
Wednesday, May 25	Primitive data types	Ch 2
Monday, May 30	Memorial Day	
Wednesday, June 1	Input processing / debugging	Ch 3
Monday, June 6	Boolean operators/expressions	Ch 4
Wednesday, June 8		
Monday, June 13	If/else/switch statements	
Wednesday, June 15		
Monday, June 20	Review	
Wednesday, June 22	Midterm	

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.

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Monday, June 27	Loops	Ch 5
Wednesday, June 29		
Monday, July 4	Independence Day	
Wednesday, July 6	File I/O, String processing	
Monday, July 11		
Wednesday, July 13	Functions	Ch 6
Monday, July 18		
Wednesday, July 20	Arrays	Ch 7
Monday, July 25		
Wednesday, July 27	Sorting / searching	Ch 8
Monday, August 1		
Wednesday, August 3	Review	
Monday, August 08	Final	

Grading Policy

Projects & Assignments	25%
Tests (midterm/final/etc.)	75%

The grading scale in this class may use a curve. The purpose of the curve is not to improve the student's grade, but instead to take into account any problems with measurement of the student's aptitude. Whether or not a curve will be used will not be decided until all grades are in. Your midterm grade will have a limited number of data points and may or may not be an accurate reflection of your final grade, just your proficiency up to that point. The base grading scale given below may be adjusted based upon the performance of the class as a whole:

98-100	A+	☺
92-97	A	
90-91	A-	
88-89	B+	
82-87	B	
80-81	B-	
78-79	C+	
72-77	C	
70-71	C-	
68-69	D+	
62-67	D	
60-61	D	
<60	F	☹

UT Dallas Syllabus Policies and Procedures

The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus. Please go to

http://go.utdallas.edu/syllabus-policies

for these policies.

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