Course	**CS 1336.504.17F, Programming Fundamentals**
Professor	Sridhar Alagar
Term	Fall 2017
Meetings	TR 5:30 pm – 6:45 pm, ECSS 2.415

Professor's Contact Information

Office Phone	(972) 883-4161
Other Phone	(972) 883-2185 (CS Department Phone Number)
Office Location	ECS South 2.603
Email Address	sridhar@utdallas.edu
Office Hours	Tuesdays 4 pm to 5 pm, and Wednesdays 4:30 pm to 5:30 pm
Teaching Assistant	To be announced

General Course Information

Pre-requisites	None
Co-requisites	CS 1136 – A sequence of labs will be assigned and graded for CS 1136, these are separate from the assignments made in CS 1336. Students earn separate grades for CS 1336 and CS 1136.
Course Description	Introduction to computers. Primitive data types, variable declarations, variable scope, and primitive operations. Control statements. Methods/functions. Arrays, and strings using primitive data arrays. Output formatting. Debugging techniques. Designed for students with no prior computer programming experience. This class cannot be used to fulfill degree requirements for majors in the School of Engineering and Computer Science.
Learning Outcomes	After successful completion of this course, the student should be able to: • Ability to develop algorithmic solutions for use on computers • Ability to perform console input and output, utilize basic operators, and perform sequential processing • Ability to utilize the basic control structures for selection • Ability to utilize the basic control structures for repetition logic • Ability to perform sequential file input and output • Ability to develop programs in a functional form • Ability to process data in arrays
Required Texts & Materials	Starting Out with C++, From Control Structures through Objects (9th edition); Gaddis, Tony; Addison-Wesley Publishing. ISBN-13: 978-0134498379 ISBN-10: 0134498372

Assignments & Academic Calendar

Week	Class Activity/Notes	Read …
1	Review of syllabus Intro. to Computers and Programming	Chapter 1
2	Introduction to C++ Expressions and Interactivity Making Decisions	Chapter 2 Chapter 3
3	Expressions and Interactivity Making Decisions Loops and Files	Chapter 4
4	Loops and Files	Chapter 5
5	Loops and Files cont'd	
6	Loops and Files cont'd	
7	Exam 1 prep review:	
8	**Exam 1: Tuesday, Oct 10 (class hours), Functions**	
9	Functions	Chapter 6
10	Functions	
11	Arrays	Chapter 7: 7.1 - 7.10
12	Arrays	
13	Arrays	
14	Test 2 Review Questions	
15	**Exam 2: Tuesday, December 5 (class hours)**	

Important Dates and Times	• First day of class: *Tuesday, August 22, 2017* • Exam 1: *Tuesday, October 10, 2017* (during class) • Exam 2: *December 5 (last day of class)*

Course Policies

Grading Criteria	Exam 1: 25%, Exam 2: 25%, Programming Assignments: 50%
Programming Assignments	Programming assignments are given every week Programming assignments must be submitted through elearning. You need to submit only .cpp files for individual assignments, unless explicitly stated otherwise. Any standard C++ compiler and Integrated Development Environment (IDE) can be used to develop, debug and run your programs. Microsoft Visual Studio, Microsoft Visual Express, Code::Blocks, NetBeans, Eclipse and jGRASP are a few popular tools. More information about these tools will be provided in elearning
Make-up Exams	Make-up examinations will be offered only if the student has a valid medical reason and produces a doctor's letter. If a student has to be absent for several classes because of job related obligations, he/she will not be eligible for an incomplete grade. In such instances, the student is advised to drop the course.
Extra Credit	No extra credit work will be assigned.
Late Work	Programming projects submitted after the due date will be penalized at the rate of 20% of the total credit for that project for every day (not including weekends and holidays) by which they are late. Late submissions will not be accepted once the solution has been discussed in class and the graded submissions have been returned.
Class Attendance	Regular attendance is highly recommended. As per the Department of Computer Science policy, three consecutive absences lead to one letter grade drop. Four consecutive absences lead to a F. http://cs.utdallas.edu/education/undergraduate/attendance-policy/
Classroom Citizenship	The instructor encourages students to take active part in class discussions. No question is too simple/stupid to be asked. So, do not hesitate.
Field Trip Policies	Not applicable.
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.*

Letter grades will be assigned as follows:

97-100	A+	94-97	A	90-94	A-
87-90	B+	84-87	B	80-84	B-
77-80	C+	74-77	C	70-74	C-
67-70	D+	64-67	D	60-64	D-
Below 60	F				

These descriptions and timelines are subject to change at the discretion of the Professor.