

CS1200 Introduction to Computer Science and Software Engineering

Fall Semester, 2015

Course:	CS 1200.009
When:	Tues & Thurs : 3:00pm – 3:50pm
Where:	RHW ECS Lab
Instructor:	Gordon Arnold gordon.arnold@utdallas.edu
Office:	ATEC 1.605 (972) 883-7518 Mon & Wed : 10:30am – 11:30am or by appointment

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

First year student in CS, SE or CE

Course Description

CS 1200 - Introduction to Computer Science and Software Engineering Introduction to the computing professions; overview of CS, SE curricula, connections with Computer Engineering, other ECS fields and Arts and Technology programs; problem solving and other skills needed to succeed as a CS, SE major. Introduction to quantitative methods; team projects designed to replicate decision processes and problem solving in real-world situations; additional preparatory topics for CS, SE majors.

Learning Outcomes

- Awareness of the areas within CS & SE and curricula at UTD
- Understanding of basic logical thinking and problem solving
- Capability of high level solution design for simple algorithms
- Ability to work with teams

Required Textbooks and Materials

- *The 5 Elements of Effective Thinking* by Burger & Starbird
- *Turning Point Response Card Clicker*

This course will require the use of a clicker. A clicker is an audience response device that resembles a small calculator. This allows you to provide real-time feedback to your instructor during class. Class summary results are displayed graphically, providing students and the instructor a gauge as to how well the class is grasping the material. You can purchase (and sell back) your clicker at the UTD Bookstore.

Tentative Schedule

	Topics	Homework (due Sunday night before Monday listed)
Tuesday, August 25	Intro	
Thursday, August 27		
Tuesday, September 01		
Thursday, September 03		
Tuesday, September 08	NO CLASS -- Labor Day	HW1 (Scavenger Hunt)
Thursday, September 10	Guest Presentation:	

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

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	Academic Dishonesty; Ethics	
Tuesday, September 15	Guest Presentation: Networking	HW2 (Essay about famous CS person)
Thursday, September 17		
Tuesday, September 22		HW3 (Attend Dinner with Faculty)
Thursday, September 24		
Tuesday, September 29		HW4 (TBD)
Thursday, October 01		
Tuesday, October 06		HW5 (Outline of topics covered)
Thursday, October 08	Test Review & Project Assignment	
Tuesday, October 13	Exam 1 in Testing Center	No HW
Thursday, October 15	NO CLASS	
Tuesday, October 20		HW6 (Attend a student org meeting)
Thursday, October 22	Guest Presentation: After Graduation	
Tuesday, October 27		HW7 (TBD)
Thursday, October 29		
Tuesday, November 03	Guest Presentation: Internships	HW8 (Watch a movie about CS)
Thursday, November 05		
Tuesday, November 10		HW9 (TBD)
Thursday, November 12		
Tuesday, November 17	Exam 2 in Testing Center	HW10 (Outline of topics covered)
Thursday, November 19	Project Working Session	
Tuesday, November 24	NO CLASS -- Thanksgiving	No HW
Thursday, November 26	NO CLASS -- Thanksgiving	
Tuesday, December 01	Project Working Session	No HW
Thursday, December 03	Project Working Session	
Tuesday, December 08	Project Due; Project Presentations	No HW
Thursday, December 10	Project Presentations	

Grading Policy

Homework: 25%
 Tests (2): 45%
 Project: 25%
 Attendance: 5%

Make-up Exams: Not allowed
 Late Work: 25% reduction in grade per day or partial day for any late submissions;
 Class Attendance: Required; Attendance will be taken
 Classroom Citizenship: Respect for your instructor and your classmates is necessary at all times

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	No devices (except Turning Point clickers) during lectures	
Grade Scale:	97-100	A+ ☺
	93-96	A
	90-92	A-
	87-89	B+
	83-86	B
	80-82	B-
	77-79	C+
	73-77	C
	70-72	C-
	<70	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.