
Course Syllabus

Course Information

<i>Course Number/Section</i>	CS 1200.501 16F
<i>Course Title</i>	Introduction to Computer Science and Software Engineering
<i>Term</i>	Fall 2016
<i>Days & Times</i>	Monday & Wednesday: 5:00pm-5:50pm RHW ECS Lab 3.100

Contact Information

<i>Instructor</i>	Dr. Stephen Perkins
<i>Office Location</i>	ECSS 4.702
<i>Office Phone</i>	(972) 883-3891
<i>Email Address</i>	stephen.perkins@utdallas.edu
<i>Office Hours</i>	Tuesday and Thursday 10:30am – 11:30am Tuesday and Thursday 1:00pm – 2:15pm and 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 (2 semester credit hours)
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.

Student Learning Objectives / Outcomes

After successful completion of this course, the student should have an:

- Awareness of the areas within CS and 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

Textbooks and Materials

Required Texts

Studying Engineering, 4th edition, by Raymond B. Landis, Discovery Press ISBN 978-0-9793487-4-7.

Assignments & Academic Calendar

Class	Date	Class Activity	Assignment - Homework (due Sunday night before Monday listed)
1	Monday, Aug 22	Course Introduction	confirm access to eLearning
2	Wednesday, Aug 24	Chapter 1 - Keys to Engineering Student Success	
3	Monday, Aug 29	Chapter 2 - Engineering professions	
4	Wednesday, Aug 31	Problem Solving/Psudeo Code	
5	Monday, Sep 5	NO CLASS -- Labor Day	HW1 (Scavenger Hunt)
6	Wednesday, Sep 7	Guest Presentation on Academic Dishonesty; Ethics Census Day / Last day to drop without a "W"	
7	Monday, Sep 12	Problem Solving	HW2 (PsuedoCode)
8	Wednesday, Sep 14	Chapter 3 - Learning/Growth MindSet	
9	Monday, Sep 19	Chapter 4 - Making the most of how you are taught	HW3 (Attend Dinner with Faculty)
10	Wednesday, Sep 21	Guest presentation	
11	Monday, Sep 26	TED day	HW4 (Essay about famous CS person)
12	Wednesday, Sep 28	Chapter 5 -- Making learning work for you	
13	Monday, Oct 3	Guest presentation	HW5 (Learning profile & Project)
14	Wednesday, Oct 5	Test Review & Project Assignment	
15	Monday, Oct 10	Exam 1	HW6 (Outline of topics covered)

16	Wednesday, Oct 12	Design Midterm Grades Viewable by Oct 15 th	
17	Monday, Oct 17	Software LifeCycle	No homework
18	Wednesday, Oct 19	Chapter 6 -- Personal growth	
19	Monday, Oct 24	Guest Presentation -- Jerry Alexander/Recent Graduate	HW7 (Design)
20	Wednesday, Oct 26	Guest Presentation	
21	Monday, Oct 31	Chapter 7 -- Broadening	HW8 (Advice to myself & Plan)
22	Wednesday, Nov 2	Teams	
23	Monday, Nov 7	Project Workday/Test Review	HW9 (Attend a student org meeting)
24	Wednesday, Nov 9	TED Day	
25	Monday, Nov 14	Exam 2	HW10 (Outline of topics covered)
26	Wednesday, Nov 16	Project Working Session	
	November 21-25	Thanksgiving fall break – no classes	No homework
27	Monday, Nov 28	Project Working Session	HW11 -- Design Docs for Project
28	Wednesday, Nov 30	Project Working Session	
29	Monday, Dec 5	Project Due; Project Presentations	No homework
30	Wed, Dec 7	Project Presentations Last day of the class Final Grades viewable by Dec 16 th	

Grading Policy

Projects and exams determine grades. The final grade will be composed as follows:

Homework	25%
Exams (2)	45%
Project	25%
Attendance	5%

Letter grades will be assigned as follows:

97-100	A+
93-96	A
90-92	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
67-69	D+
63-66	D
60-62	D-
Below 60	F.

Course & Instructor Policies

Class Attendance

Class attendance is required. There is a strong and direct correlation between class attendance and class performance. Students who regularly attend class tend to make significantly higher final grades than those who do not. The department attendance policy states:

- ***Three consecutive absences lead to a one letter grade drop***
- ***Four consecutive absences lead to an F***

An attendance sheet will be sent around the room each class. You will be considered absent if you have not signed the attendance sheet by ten minutes after the scheduled start time of the class. Instructors are required to report those students who miss too many classes.

Extra Credit

Course credit is only given for work assigned and scheduled in the course syllabus. No extra work will be assigned nor will extra credit be given for any extra work performed by a student.

Late Work

Late assignments will not be accepted. Assignments are due by the date and time listed in the write-up or in the syllabus.

Make-up exams

Make-up examinations will be administered **only for well-documented emergencies**. A student must make every attempt possible, via telephone and email, to notify the instructor that he/she will miss a scheduled quiz or exam. This must be done prior to the scheduled date and time if possible. See the **UT Dallas Syllabus Policies and Procedures** section below for the policy regarding religious holy days.

Grade Disputes

All grade disputes must be discussed & resolved by the student with the instructor within one week of posting.

Classroom Citizenship

Students are expected to be respectful to each other and to the course instructor. Disruptive behavior in the class room is not tolerated.

Each student in the class is encouraged to join/form a study group. Members of each study group should support one another in learning and understanding the course material.

Comet Creed

This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:

“As a Comet, I pledge honesty, integrity, and service in all that I do.”

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. It is included here by reference.

Please go to <http://go.utdallas.edu/syllabus-policies> for these policies.

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Instructor. The rules for grading can change at the instructor's discretion.