CS1200 Course Syllabus

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Course Information

CS1200   Introduction to Computer Science and
                                          Software engineering

Fall 2020
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Professor Contact Information

Name	John Cole
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Office Location	ECSS 4.606
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Office Hours	See Web site: https://personal.utdallas.edu/~John.Cole/#Office

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Course Modality and Expectations

Instructional Mode	4: Synchronous online.
Meeting Time	**Section 011:** Tuesday/Thursday from 10:00 to 10:50 AM **Section 006:** Tuesday/Thursday from 11:00 to 11:50 AM **Section 007:** Tuesday/Thursday from 1:00 to 1:50 PM
Course Platform	eLearning will contain a link to a Microsoft Teams meeting for this class for those who can attend in real time. Recorded lectures will be posted to Microsoft Streams and will typically be available within a few hours after the class ends.
Expectations	Since this is an online course, you are expected to be in the virtual classroom if at all possible. I will enable chat, so you can ask questions without having to speak. You can also use the "raise hand" feature of Microsoft Teams and I will call on you. However, please keep your questions and comments relevant to the material. Keep your microphone muted unless you are speaking.
Asynchronous Learning Guidelines	Lectures will be recorded and posted online for student use only. Details on asychronous instruction can be found here: https://www.utdallas.edu/fall-2020/asynchronous-access-for-fall-2020/

COVID-19 Guidelines and Resources

The information contained in the following link lists the University's COVID-19 resources for students and instructors.

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

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Classroom Conduct Requirements Related to COVID-19

UT Dallas requires that all students must wear a face covering that covers the nose and mouth in all university buildings and classrooms. To help protect the health and safety of students, instructors, and the University community, students who choose not to wear a face covering may not attend class in person but may attend a course remotely. Anyone attending class in person without a face covering will be asked to put one on or leave. Instructors may end the class if anyone present refuses to appropriately wear a face covering for the duration of class. Students should also be sure they are at least six feet away from their fellow students and faculty, and seated in a seat that is designated to ensure that distance. Students who either refuse to wear face coverings appropriately or to adhere to other social distancing protocols may face disciplinary action for Student Code of Conduct violations. Students who are unable to comply with the university policies including wearing a face covering should consult the Comets United webpage for further instructions.

Students who have tested positive for COVID-19 or may have been exposed should not attend class in person and should instead follow required disclosure notifications as posted on the university's website (see "What should I do if I become sick?" webpage)

General Course Information

Prerequisites	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 and 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 as a member of a team
Required Text	*Studying Engineering*, 5th edition by Raymond B. Landis et al, ISBN 978-0-9793487-2-3
Additional Resources	Your instructor, the textbook, other recommended reading.

Course Policies

Grading Criteria	Homework and quizzes 25% Tests (2) 50% Project 25% Attendance: 0%	A+=97 & above A=93-96 A-=90-92 B+=87-89 B=83-86 B-=80-82 C+=77-79 C=73-76 C-=70-72 F=below 70
Make-up Exams	Not allowed	
Late Work	25% reduction in grade per day or partial day for any late submissions unless otherwise stated in the assignment. That is, if the assignment is worth 100 points, you will lose 25 points per day, in addition to points lost because of the quality of work.	
Grade Information	I do not curve individual assignments, but I may curve the entire course a little. Do not count on this. Do your best work. Grades will be posted in eLearning and you can use the weights above to see where you stand.	
Who Grades What	The grader grades all homework and assignments. Online quizzes are auto-graded by eLearning. I grade tests.	
Grade Disputes	If you have an issue with a test, talk with me. If you have an issue with an assignment, talk with the grader first, then me. All grades become final one week after they are posted. Do not come in at the end of the semester looking for a better grade on the first test.	
Classroom Citizenship	Respect for your classmates is necessary at all times No cell phone usage during class. Turn off the sound and put them off the table and out of reach. Computers are allowed only for taking notes and class-related activities.	

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Class Attendance

The University's attendance policy requirement is that individual faculty set their course attendance requirements. Computer Science Department policy is that if you miss three consecutive classes your grade will drop one letter grade. Missing four in a row is failing. Considering the circumstances, I cannot take attendance, but I will call on people from time to time. Not answering will be considered absent. For this semester only, it is very difficult to measure attendance reliably, but I will try.

Regular and punctual class attendance is expected regardless of modality. Students who fail to attend class regularly are inviting scholastic difficulty. In some courses, instructors may have special attendance requirements; these should be made known to students during the first week of classes. These attendance requirements will not be used as part of grading (see Class Participation below for grading information).

In-person participation records may be used to assist the University or local public health authorities in performing COVID-19 occurrence monitoring. Please note – in-person attendance requires consistently adhering to University requirements, including wearing a face covering and other public safety requirements related to COVID-19, as presented in this syllabus. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

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Class Participation

Regular class participation is expected regardless of course modality. Students who fail to participate in class regularly are inviting scholastic difficulty. A portion of the grade for this course is directly tied to your participation in this class. It also includes engaging in group or other activities during class that solicit your feedback on homework assignments, readings, or materials covered in the lectures (and/or labs). Class participation is documented by faculty. Successful participation is defined as consistently adhering to University requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

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Class Recordings

Students are expected to follow appropriate University policies and maintain the security of passwords used to access recorded lectures. Unless the Office of Student AccessAbility has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

NOTE: if the instructor records any part of the course, then the instructor will need to use the following syllabus statement:

The instructor may record meetings of this course. Any recordings will be available to all students registered for this class as they are intended to supplement the classroom experience. Students are expected to follow appropriate University policies and maintain the security of passwords used to

access recorded lectures. Unless the Office of Student AccessAbility has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. If the instructor or a UTD school/department/office plans any other uses for the recordings, consent of the students identifiable in the recordings is required prior to such use unless an exception is allowed by law. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

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Class Materials

The instructor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be downloaded during the course, however, these materials are for registered students' use only. Classroom materials may not be reproduced or shared with those not in class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

Tentative Schedule (Changes will be posted on the Web page)

Week	Date	Topic	Reading
1	Aug 18	CS 1200 Basics, Syllabus Overview, Welcome Week Event Highlights	
	Aug 20	Keys to success in Computer Science Study	Chapter 1
2	Aug 25	CS vs SE & other engineering professions	Chapter 2
	Aug 27	Problem Solving/Pseudocode	Slides
3	Sep 1	Guest Presentation on Academic Dishonesty and Ethics: TBA	
	Sep 3	Problem Solving	Slides
4	Sep 8	Problem Solving	Slides
	Sep 10	Problem Solving	Slides
5	Sep 15	Learning/Growth Mindset	Chapter 3
	Sep 17	Learning/Growth Mindset	Chapter 3
6	Sep 22	Making the most of how you are taught	Chapter 4
	Sep 24	Making learning work for you	Chapter 5
7	Sep 29	Exam review and project assignment	

	Oct 1	**Exam 1**	
8	Oct 6	Design	Slides
	Oct 8	UML and Flowcharting	Slides
9	Oct 13	Guest lecture -- Recent graduate TBA; also guest presentation on Internships by Jerry Alexander	
	Oct 15	Software Lifecycle	Slides
10	Oct 20	Personal Growth	Chapter 6
	Oct 22	Broadening Your Horizons	Chapter 7
11	Oct 27	Guest lecture on cybersecurity: Dr. Kevin Hamlen	
	Oct 29	Orientation to the Engineering Education System	Chapter 8
12	Nov 3	Effective Thinking -- Intro and Part 1	Slides
	Nov 5	Effective Thinking -- Part 2	Slides
13	Nov 10	Effective Thinking -- Part 3	Slides
	Nov 12	Exam Review	
14	Nov 17	**Exam 2**	
	Nov 19	Project Presentations	
15	Nov 24	Project Presentations	

Off-campus Instruction and Course Activities
Not Applicable.

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."

Academic Support Resources

The information contained in the following link lists the University's academic support resources for all students.

Please see http://go.utdallas.edu/academic-support-resources.

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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.

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