

CS3162.052 Course Syllabus

Course Information

CS3162.052 Professional Responsibility in Computer Science and Software engineering

Spring 2023

Professor Contact Information

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

Course Modality and Expectations

Instructional Mode	1. In-person. You will be expected to be in class. Attendance is not mandatory but will be taken. Classes will not be presented online unless the University requires it and will not be recorded unless the University requires it.
Meeting Time and Place	Monday/Wednesday from 11:30 AM to 12:30 PM Room: ECSS 2.412
Course Platform	Traditional classroom.
Expectations	You will attend every class on time, participate when appropriate, and silence your phone and put it somewhere off the desk and out of reach.
Asynchronous Learning Guidelines	None. Unless the University requires it, this class will not be offered asynchronously.

General Course Information

Prerequisites/ Corequisites	CS 3345 and CS 3354 with a grade of C or better.
Course Description	Professional and ethical responsibilities of computer scientists and software engineers as influenced by growth in computer use and

	networks. Costs and benefits of computer technology. Risks and liabilities of safety-critical systems. Social implications of the Internet. Interaction between human values and technical decisions involving computing. Intellectual Property. Global impact of computing. Dangers of AI and Robots. The Singularity. Topics will vary by class and level of participation.
Learning Outcomes	<ol style="list-style-type: none"> 1. Ability to understand professional issues and responsibilities 2. Ability to understand ethical issues and responsibilities 3. Ability to understand legal issues and responsibilities 4. Ability to understand security issues and responsibilities 5. Ability to understand social issues and responsibilities 6. Ability to analyze the local impact of computing 7. Ability to analyze the global impact of computing
Required Text	<i>A Gift of Fire, Social, Legal, and Ethical Issues for Computing Technology</i> , 5th Edition by Sara Baase & Timothy M. Henry Pearson Publishing ISBN 13:978-0-13-461527-1

Course Policies

Grading Criteria	Homework: 80% Project/Essay: 20%	A=93-100 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	N/A	
Extra-Credit Work	None given. Please do not ask.	
Late Work	Reduction of 25 percent 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. Grading will be lenient, but do your own work. I'm more interested in how you think about a topic than what you think. Be prepared to argue your point of view.	

Who Grades What	The graders and I will grade all homework. I will grade the final project essay.
Grade Disputes	If you have an issue with your grade on a test or homework, talk to me. You have one week after a grade is posted to do so. Do not come in at the end of the semester looking for a better grade on the first test.

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.

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).

Class Participation

Regular class participation is expected regardless of course modality. Students who fail to participate in class regularly are inviting scholastic difficulty. Participation 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](#).

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](#).

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 of topics. This is subject to change, and an updated version can be found at

<https://personal.utdallas.edu/~John.Cole/2023/CS3162Fall2023Schedule.htm>

Week	Date	Topic	Assignments
1	Aug 21	Course Introduction – Chapter 1: Rapid Pace of Change	
	Aug 23	Bill Joy & Ch 2 Privacy	Homework 1
2	Aug 28	Chapter 9 – Scenarios	Homework 2
	Aug 30	Only the Lonely	Homework 3
3	Sep 4	Labor Day – No class	
	Sep 6	Chapter 3 - Freedom of Speech Chapter 4 – Intellectual Property	Homework 4

4	Sep 11	Chapter 5 - Crime & Security	
	Sep 13	Engineering Humanity & CRISPR	Homework 5
5	Sep 18	Chapter 6 – Work	
	Sep 20	Chapter 7 – Evaluating & Controlling Technology	Homework 6
6	Sep 25	Chapter 8 – Errors, Failures, and Risk	Project Assignment
	Sep 27	Chapter 9 – Professional Ethics and responsibilities - again	
7	Oct 2	ACM & IEEE Codes of Ethics	
	Oct 4	Final Presentation	

https://pluto.tv/en/on-demand/series/5ef0d81d146bc5001ae9f7d0/season/1/episode/61c2286baf81f001a1f3fa1?utm_medium=textsearch&utm_source=google

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>.

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.