

	Course	CS3354 & SE3354 & CE3354 Software Engineering
	Professor	Klyne Smith
	Term	Spring 2021
	Meetings	Section 004 (T/TH) – 1130am to 12:45pm in ECSW1.315

Professor's Contact Information

Cell Phone	972-533-6460
Office Location	ECSN 3.926
Email Address	Klyne.Smith@utdallas.edu
Office Hours	Tuesday's & Wednesday's 1pm-2pm and by appointment

General Course Information

Pre-requisites	(CE 2336 or CS 2336 or TE 2336 with a grade of C or better or CS 3333) and (CE 2305 or CS 2305 or TE 2305 with a grade of C or better or equivalent). Prerequisite or Corequisite: ECS 3390.
Course Description	Software Engineering (3 semester credit hours) Introduction to software life cycle models. Software requirements engineering, formal specification and validation. Techniques for software design and testing. Cost estimation models. Issues in software quality assurance and software maintenance.
Learning Outcomes	<ol style="list-style-type: none"> 1. Ability to understand software lifecycle development models 2. Ability to understand and apply software requirements engineering techniques 3. Ability to understand and apply software design principles 4. Ability to understand and apply software testing techniques 5. Ability to understand the use of metrics in software engineering 6. Ability to understand formal methods in software development 7. Ability to establish and participate in an ethical software development team 8. Ability to use software project management tools and techniques
Required Text	Software Engineering by Ian Sommerville – 10 th edition
Communication	eLearning and Email are the primary two ways I use to get information to students. <u>Check email and eLearning daily.</u>

Course Modality and Expectations

Instructional Mode	In Person -The course will be taught with twice a week face-to-face class combined with online course lectures and assignments. This course will be streamed live for the synchronous students. This course will have an asynchronous (i.e., does not happen at the same time) online learning access for students who cannot attend the live or synchronous sessions.
Course Platform	All class material, i.e. HW, Quizzes, Project work, Exams, and Recorded class lectures will be on eLearning (Blackboard). The live lecture will be recorded and posted within an hour after the lecture completes.
Expectations and Asynchronous and Synchronous Guidelines	Students will complete all assignments on time. Asynchronous students will watch the class lecture within 24 hours of video posting. Students will participate in group projects and meet weekly in person or online with video. Students cannot switch from between Synchronous/Asynchronous and Traditional during the semester. Students can switch between Synchronous and Asynchronous. Synchronous & Asynchronous students will have a discussion assignment to complete weekly to ensure watching of video and obtain class participation points (which aligns with attendance).

Course Policies

Make-up Exams	Not allowed without prior approval
Extra Credit	None
Late Work	25% initial reduction in score , partial grading and score is allowed for quizzes and assignments
Special Assignments	Not Applicable
Class Attendance	Required; Attendance will be taken <ul style="list-style-type: none"> Miss 3 <u>unexcused</u> days, letter grade reduction Miss 4 <u>days total</u>, letter grade reduction Miss 5 <u>days total</u> fail the course
Classroom Citizenship	Respect for your classmates and professor is necessary at all times No cell phone usage during class (unless using for lecture)

Grading (credit) Criteria	Reading Quizzes (8)	20%
	Project Assignments (5)	30%
	Homework Assignments (4)	20%
	Midterm Exam	10%
	Final Exam	10%
	Attendance	10%

Grade Schema	A	93-100
	A-	90-92
	B+	87-89
	B	83-86
	B-	80-82
	C	70-79
	D	Below 70

CS3354 Assignment Dates - Spring 2021		
Project Assignments	Due Date	Due Time
Project Assignment 1	4-Feb	1130am
Project Assignment 2	23-Feb	1130am
Project Assignment 3	18-Mar	1130am
Project Assignment 4	8-Apr	1130am
Project Assignment 5	29-Apr	1130am
Homework Assignments	Due Date	Due Time
Homework 1	1-Feb	1130pm
Homework 2	28-Feb	1130pm
Homework 3	28-Mar	1130pm
Homework 4	22-Apr	1130pm
Quizzes	Due Date	Due Time
Module 1	26-Jan	1130am
Module 2	9-Feb	1130am
Module 3	23-Feb	1130am
Module 4	9-Mar	1130am
Module 5	23-Mar	1130am
Module 6	6-Apr	1130am
Module 7	20-Apr	1130am

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor and will be posted on eLearning.

COVID-19 Guidelines and Resources

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

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

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)

Class Attendance

The University's attendance policy requirement is that individual faculty set their course attendance requirements. 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](#).

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](#).

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](#).

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](#).

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.