

Course Syllabus

Course Information

<i>Term</i>	Fall 2021
<i>Course Number/Section</i>	CS 1200.0w1
<i>Course Title</i>	Introduction to Computer Science and Software Engineering
<i>Course Modality</i>	Online
<i>Class Meeting</i>	Monday and Wednesday, 8 am to 8:50 am via Blackboard Collaborate (https://elearning.utdallas.edu/). All class lectures will be recorded

Professor Contact Information

<i>Professor</i>	Muhammad Ikram; PhD, PE
<i>Email Address</i>	mzi@utdallas.edu
<i>Online Office Hours</i>	After the class or by appointment

TA Contact Information

<i>TA</i>	TBD
<i>Email Address</i>	
<i>Online Office Hours</i>	

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

CS or SE Freshman only. Credit cannot be received for more than one of the following: BMEN 1100 or CE 1100 or CS 1200 or EE 1100 or MECH 1100.

Course Description

Introduction to the computing professions; overview of Computer Science (CS) and Software Engineering (SE) curricula, connections with Computer Engineering, other Engineering and Computer Science fields, and Arts and Technology programs; problem solving and other skills needed to succeed as a CS or 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 and SE majors.

Course Platform

The course will be delivered via Blackboard Collaborate, which is available on eLearning (<https://elearning.utdallas.edu/>).

Expectations

If you are not attending the scheduled live sessions then you are expected to study in the same pace as students who are in the synchronous mode, and to perform all quizzes or exercises assigned during a live session within 24 hours after the end of the session. Note that the due date for all assignments will be the same for all students regardless of learning modality. Participation in course discussion board on eLearning is also expected regardless of learning modality.

Student Learning Objectives/Outcomes

After successful completion of his course, the students will have:

- Awareness of different fields of engineering and especially computer science and software engineering;

- Capability to analyze problems and knowledge of methods to solve these problems;
- Ability to work with teams and share responsibility.

Required Textbooks and Materials

Raymond B. Landis, Steffen Peuker, and Jennifer Mott, *Studying Engineering: A Roadmap to Rewarding Career*, 5th edition; ISBN 978-0-979348723

Suggested Course Materials

- Class lecture notes.
- Any additional material that will be assigned or provided by the instructor.

Textbooks and some other bookstore materials can be ordered online or purchased at the [UT Dallas Bookstore](#).

Technical Requirements

In addition to a confident level of computer and Internet literacy, certain minimum technical requirements must be met to enable a successful learning experience. Please review the important technical requirements on the [Getting Started with eLearning](#) webpage.

Course Access and Navigation

This course can be accessed using your UT Dallas NetID account on the [eLearning](#) website.

Please see the course access and navigation section of the [Getting Started with eLearning](#) webpage for more information.

To become familiar with the eLearning tool, please see the [Student eLearning Tutorials](#) webpage.

UT Dallas provides eLearning technical support 24 hours a day, 7 days a week. The [eLearning Support Center](#) includes a toll-free telephone number for immediate assistance (1-866-588-3192), email request service, and an online chat service.

Communication

This course utilizes online tools for interaction and communication. Some external communication tools such as regular email and a web conferencing tool may also be used during the semester. For more details, please visit the [Student eLearning Tutorials](#) webpage for video demonstrations on eLearning tools.

Student emails and discussion board messages will be answered within 3 working days under normal circumstances.

Distance Learning Student Resources

Online students have access to resources including the McDermott Library, Academic Advising, The Office of Student AccessAbility, and many others. Please see the [eLearning Current Students](#) webpage for more information.

Server Unavailability or Other Technical Difficulties

The University is committed to providing a reliable learning management system to all users. However, in the event of any unexpected server outage or any unusual technical difficulty which prevents students from completing a time sensitive assessment activity, the instructor will provide an appropriate accommodation based on the situation. Students should immediately report any

problems to the instructor and also contact the online [eLearning Help Desk](#). The instructor and the eLearning Help Desk will work with the student to resolve any issues at the earliest possible time.

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](#).

Class Participation

Regular class participation is expected. 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. These recordings will be made available to all students registered for this class if the intent is to supplement the classroom experience. 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.

Grading Policy

- Homework and quizzes – 25%
- Exams – 50%
- Project – 25%
- Letter grades will be assigned according to the following table:

A+	97 and above
A	93 – 96
A-	90 – 92
B+	87 – 89
B	83 – 86
B-	80 – 82
C+	77 – 79
C	73 – 76
C-	66 – 72
D	60 – 65
F	0 – 59

Course Policies

- Make-up Exams: No makeup exams will be given unless there is an extenuating circumstance.
- Late Work: Will not be accepted.
- Classroom Citizenship: Professional at all times. No cell phone ringing, etc.

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 go to [Academic Support Resources](#) webpage for these policies.

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 review the catalog sections regarding the [credit/no credit](#) or [pass/fail](#) grading option and withdrawal from class.

Please go to [UT Dallas Syllabus Policies](#) webpage for these policies.

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