Course Syllabus

(The information in this syllabus is subject to change)

Course	CS1200.005
Course Title	Introduction to Computer Science and Software Engineering
Professor	Wei-Pang Chin
Term	Fall, 2023
Meetings	Tuesday & Thursday 04:00pm – 04:50pm
Classroom	FN 2.102

Professor's Contact Information

Office Phone	(972) 883-4201
Office Location	ECSS 3.212
Email Address	wei-pang.chin@utdallas.edu
Office Hours	1:30 - 2:00pm Monday/Wednesday or by appointment
Grader Information	TBA

Course Modality and Expectations

Instructional Mode	**Traditional Classroom/Laboratory (until further notice).** You may obtain more information regarding the fall 2023 semester by referencing to this page: https://www.utdallas.edu/covid/students-families-info/
Course Platform	This course will be delivered by **Traditional Classroom/Laboratory**.
Expectations	**Attend class, be honest, responsible, and do your best.**
Learning Guidelines	**Your assignments, including your group assignments, or tests have to meet the specified due dates or deadlines.** Your attendance will be part of your grade unless the **Traditional Classroom/Laboratory** instruction mode is changed.

COVID-19 Guidelines and Resources

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

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

General Course Information

Pre-requisites, Co-requisites, & other restrictions

Prerequisite: First year student in CS, SE or CE

Course Description

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.

Learning Outcomes

Upon completion of this course, students will have:

- 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 with teams

Required Textbooks & Materials

Studying Engineering, 5th edition by Raymond B. Landis
ISBN-10: 0979348722
ISBN-13: 978-0979348723

Materials to be Covered

TBA

Important Dates:

Tuesday August 22nd	First Day of Class
Thursday October 5th or TBA	**Exam 1** @UTD Testing Center
Thursday November 16th or TBA	**Exam 2** @UTD Testing Center
Saturday November 25th	**Final Project Due**
Thursday December 7th	Last Day of class

End of late registration and last day to add/swap	Friday, Aug. 18 – Monday, Aug. 28
Last Day to Drop without a "W":	Wednesday, September 6
Withdrawal period ends:	Tuesday, November 7
Last Day of Class:	Thursday, December 7

Exam 1 (Midterm @UTD Test Center)	**8:30am - 5:30 pm Thursday, Oct. 5**
Exam 2 (Final @UTD Test Center)	**8:30am - 5:30 pm Thursday, Nov. 16**

Note: Register your test section **1200.005** or you will not be admitted to the exams

Final Project Due	**Saturday, November 25, 2023**

University Closings:

Labor Day	September 4
Fall break	November 20-22
Thanksgiving holidays	November 23-26
Winter break	Dec. 25, 2023 – Jan. 1, 2024

Grading Policy

Homework and Quizzes	25%
Project	25%
Exams (2)	45%
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

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

(Subject to Change. Changes will be posted on the Web page)

Week	Date	**Topic**	**Reading**

1	Aug 22	CS 1200 Basics, Syllabus Overview, Welcome Week Event Highlights	
	Aug 24	Keys to success in Computer Science Study	Chapter 1
2	Aug 29	CS vs SE & other engineering professions	Chapter 2
	Aug 31	Problem Solving	Slides
3	Sep 5	Problem Solving	Slides
	Sep 7	Problem Solving/Pseudocode	Slides
4	Sep 12	Problem Solving/Pseudocode	Slides
	Sep 14	Problem Solving/Pseudocode	Slides
5	Sep 19	Guest Presentation on Academic Dishonesty and Ethics (TBA)	Slides or Video
	Sep 21	Learning/Growth Mindset	Chapter 3
6	Sep 26	Making the most of how you are taught	Chapter 4
	Sep 28	Making learning work for you	Chapter 5
7	Oct 3	Exam review and project assignment	
	Oct 5	**Exam 1** @UTD Testing Center	No Class
8	Oct 10	Design	Slides
	Oct 12	UML and Flowcharting	Slides
9	Oct 17	Guest lecture -- guest presentation on Internships; or recent graduate (TBA)	
	Oct 19	Software Lifecycle	Slides
10	Oct 24	Software Lifecycle	Slides
	Oct 26	Personal Growth	Chapter 6
11	Oct 31	Personal Growth	Chapter 6
	Nov 2	Broadening Your Horizons	Chapter 7
12	Nov 5	Broadening Your Horizons	Chapter 7
	Nov 19	Orientation to the Engineering Education System	Chapter 8
13	Nov 14	Orientation to the Engineering Education System Exam Review	Chapter 8
	Nov 16	**Exam 2** @UTD Testing Center	No Class
14	Nov 28	Project Presentations	
	Nov 30	Project Presentations	
15	Dec 5	Project Presentations	
	Dec 7	Project Presentations	

Course Policies

Grading (credit) Criteria	See above
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. See the **UT Dallas Syllabus Policies and Procedures section** below for the policy regarding religious holy days.
Extra Credit	NA
Late Work	**25% reduction** in grade per day or partial day for any late submissions
Special Assignments	NA
Class Attendance	Weight 5% of your grade. Studies revealed that there is **a positive significant relationship** between class attendance of students and their academic achievement.
Classroom Citizenship	Students are expected to be respectful to each other and to the course instructor and guest speakers. Disruptive behavior in the virtual class is not tolerated.
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 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.*

CSMC

The Computer Science Mentoring Center (CSMC) is a free resource available to all students taking this class. The CSMC provides assistance in many areas including:

- Understanding core concepts related to this class
- Developing a logical framework for a program

- Connecting programming constructs to the logic of the program
- Assisting in solving syntax and logical errors in your code
- Exam reviews and reworks (by faculty request)

The mentors will meet with you 1-on-1 to address your specific problem areas. Their goal is to help you understand what is wrong and how to fix it, but they will not do the work for you. For more information about the CSMC, including location and hours of operation, please visit http://csmc.utdallas.edu

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