CSCE 5430 Software Engineering
Syllabus: Fall 2023

Instructor: Mohsen Amini
Office: F297B
Office Hours: 4:00 - 6:00pm Thursdays
Phone: 970-430-8490
Email: mohsen.aminisalehi@unt.edu
Class Time: 5:30 – 8:30pm Thursdays
Place: B185

Teaching Assistant:

<table>
<thead>
<tr>
<th>TA Name</th>
<th>In-person office hours</th>
<th>Online office hours</th>
<th>Contact</th>
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<tbody>
<tr>
<td>Minseok Kim</td>
<td>Mon. 12:00 to 2:00pm</td>
<td>Wed 10:00am to 12:00 pm</td>
<td><a href="mailto:minseokim@my.unt.edu">minseokim@my.unt.edu</a></td>
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<tr>
<td>Akiharu Esashi</td>
<td>Wed.12:00 to 2:00pm</td>
<td>Thur 12:00pm to 2:00pm</td>
<td><a href="mailto:akiharuesashi@my.unt.edu">akiharuesashi@my.unt.edu</a></td>
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<td>Amina Firdouse</td>
<td>Fri. 2:00 to 4:00pm</td>
<td>Tues 2:00 to 4:00pm</td>
<td><a href="mailto:aminafirdousefirdouse@my.unt.edu">aminafirdousefirdouse@my.unt.edu</a></td>
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Communication Expectations:

Connect with me through email and/or by attending office hours. You can call me Dr. Amini. I will strive to respond to your emails within 1 business day and make grades of each homework/exam within two weeks after the due date. Please write the course number in your email subject line. If you contact me and do not receive a response within two business days, please send a follow up email. A gentle nudge is always appreciated.

All course related announcements will be on Canvas. Please set up your notification settings to avoid missing any announcements. Please check CLEAR Online Communication Tips at https://clear.unt.edu/online-communication-tips.

Textbook

- Software Engineering Edition 10, by Ian Sommerville, Pearson
- Engineering Software Products, by Ian Sommerville, Pearson
**Course Description**

Case tools, module implementation, testing, system delivery in the work place, scheduling and budgeting, project management, cloud software, version management, configuration management, software development tasks and ethical issues.

**Learning Outcomes**

This course introduces the fundamental concepts, common principles, and general techniques of software engineering. By the end of this course, students will:

1. Explain various software process models.
2. Apply requirements elicitation, specification, and validation processes.
3. Making use of Unified Modeling Language (UML) to represent design models.
4. Employ methods for software testing.
5. Develop a system based on software quality standards and guidelines.
6. Apply an iterative, use case-driven methods to develop robust design models.
7. Describe the different views of software architecture.
8. Implement the basic concepts of the software design patterns.
9. Apply object oriented concepts in software engineering
10. Software project management and quality assurance.

**Grading**

- Projects (Assignments) 60%
- Midterm 20%
- Final 20%
- In-class activities extra points.

**A: 90-100; B: 80-89; C: 70-79; D: 60-69; F <60**

To pass the course the students must achieve a mark of 50% (10 out of 20) on the mid-term and final exams.

**Project Assignments:** There will be 4 projects that are preparation (including integrity online exam and forming groups), software design, development, and testing and deployment. The projects will be achieved in multiple phases. Late submissions may be allowed up to 24 hours after the due date with a 20% penalty.
on the grade for that assignment. Submissions after the grace period will not be accepted!

**We do not accept assignments submitted via email.**

We also may have in class activities during the semester. These activities generally have bonus points. Due to the *ad hoc* nature of the in-class activities, they will be announced during class time. It is your responsibility to listen to class carefully to learn about these activities. If you missed the class, please contact your classmates whether any in-class activities were given in a class. No late submissions or make ups will be accepted for class activities unless you missed the class due to an excused absence. In-class activities must be done individually.

**Academic Integrity**

Standards in this course are consistent with UNT policy: STUDENT STANDARDS OF ACADEMIC INTEGRITY (18.1.16), or other related/existing UNT policies. The work that you turn in to be graded, including any underlying ideas, must be your own individual work. Usage of unauthorized material and sources, or depending on any unauthorized assistance, to answer homework problems, test questions, writing reports, or carrying any type of assignment, etc., without the permission of the instructor, or without complete and accurate and complete attribution/citation of the source, when applicable, is viewed as an academic misconduct.

**Assignment 1 Already RELEASED:** Please make sure to take the “Academic Integrity” quiz that is available on Canvas.

**Due Date:** Second session of the class.

**Cheating Policy:**

- Using information from a homework helper site (including AI based services like Chat GPT) is CHEATING
- Duplicating/nearly duplication answers from another student/another groups submission is CHEATING.
- If you get help from any person or online system, you must declare that in the beginning of your submission.
- First Offence: 0 for the entire submission
- Second Offence: F for the course and reporting to the University administration
Disabilities Accommodation

The University of North Texas complies with Section 504 of the 1973 Rehabilitation Act and with the Americans with Disabilities Act of 1990. The University of North Texas provides academic adjustments and auxiliary aids to individuals with disabilities, as defined under the law. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring accommodation, please see the instructor and/or contact the Office of Disability Accommodation at 940-565-4323 during the first week of class.

Syllabus Disclaimer

Information contained in this syllabus is, to the best knowledge of the instructor, considered correct and complete when distributed to the students. The instructor reserves the right, acting within policies and procedures of the University of North Texas, to make necessary changes in course content or instructional techniques without prior notice or obligation to the student.