CSCE 5430 Software Engineering
Syllabus: Spring 2024

Instructor: Bahareh Dorri
Office: E235F
Office Hours: 12:00 – 2:00 pm Fridays
Email: bahareh.mokarram dorri@unt.edu
Class Time: 2:30 – 5:20pm Fridays
Place: E266

Instructor Assistant:

<table>
<thead>
<tr>
<th>IA Name</th>
<th>In-person office hours</th>
<th>Online office hours</th>
<th>Contact</th>
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<tbody>
<tr>
<td>Aditya Vadrevu</td>
<td>Mon 1:00 to 3:00 pm</td>
<td>Wed 12:00 to 2:00 pm (link)</td>
<td><a href="mailto:adityavadrevu@my.unt.edu">adityavadrevu@my.unt.edu</a></td>
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<tr>
<td>Hari Vamsi Krishna Samayamantri</td>
<td>Fri 2:30 to 4:30 pm</td>
<td>Thu 11:00 am to 1:00 pm (link)</td>
<td><a href="mailto:harivamsikrishnasama@my.unt.edu">harivamsikrishnasama@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 Mrs. Dorri. 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.

For assistance with assignments or questions about grading of a particular assignment, you may also contact the IAs assigned to this directly via e-mail or their office hours.

Textbook

Course Description

Case tools, module implementation, testing, system delivery in the workplace, 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) 55%
- Group Research presentation 10%
- Midterm 15%
- Final 20%
- In-class activities extra points

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

* Students are expected and encouraged to attend classes. Students will be responsible for any missing class activities (such as quizzes, in-class assignments, etc.) or announcements. The absence reason could be anything including university sponsored events. Also, the student’s absence does not change the due date of any assignment.
Project Assignments: There will be around 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. Assignments must be turned in on their due dates. 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.

Grades will be posted on Canvas throughout the semester to provide an ongoing assessment of student progress, but typically about 10-15 calendar days after the assignment was due. Grading discussion should first go to the IA graded your assignment in 5 calendar days after grades posted, but if a resolution cannot be reached between the student and the grader, then you should go to the instructor who will have the final decision on the grade. After 5 calendar days, barring an exceptional circumstance, grades will not be altered.

It is the student's responsibility to check any given grade and make complaints within at most two weeks after the grades are announced. Grades will not be changed afterwards. Make-ups must need the instructor's special permission. In most cases, they are not allowed.

The final exam is on Saturday, May 4 at 1:30 pm - 3:30 pm.

Make-up Work Policy

For most situations there will be no make-up work for any assessment in this course. However, in the event of an unavoidable absence for one of the reasons below, email me as soon as possible so we can work out a solution. The following events are grounds for make-up work: being a participant in a conference in which you are presenting; being in an athletic or other UNT associated event in which you are an active participant; a family emergency; a severe illness; military duty; or in certain cases and with some restrictions a religious event. Additionally, in the case of a missed assignment due to illness, make-up work will only be allowed by the instructor to receive further notification from the Dean of Students. Students are responsible for sending an email to the Dean of Students with a physical copy of a signed doctor’s note. See the UNT Attendance Policy for more information.
A student is responsible for requesting an excused absence in writing, providing satisfactory evidence to the Dean of Students (deanofstudents@unt.edu) to substantiate excused absence, and the Dean of Students will send the notification to the faculty member assigned to the course for which the student will be absent. When an absence is excused, the faculty member will provide a reasonable time after the absence for the student to complete the assignment.

**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.**  
This assignment has 10 bonus points.

**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 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 Revisions**

This syllabus may be modified as the course progresses should the instructor deem it necessary. Notice of changes to the syllabus shall be made through Canvas and/or in-class announcements.