

CSE 3310-002 – Fundamentals of Software Engineering

Tuesday/Thursday 1900-2030

ERB 130

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Textbook: Software Engineering, 9th Ed. by Ian Sommerville

Course Objective and Assessment:

Introduction to software engineering principles, processes, and techniques. Study of software development practices focusing on functional analysis and design methods. Other topics include feasibility analysis and specification, requirements management, implementation strategies, testing and maintenance, Agile methods, and some aspects of project management and software cost estimation. This course specifically assesses your ability to design and conduct experiments, analyze and interpret data, and your ability to identify, formulate, and solve engineering problems. Therefore, certain related assignments in this course must be passed in order to pass the course. Specifically, a passing grade in the term project is required in order to pass this course.

Grading Policy:

Exams	50%
Term Project	50%

Exam Breakdown: Two midterms, one final, all count equally (16.67%)

Term Project breakdown: Requirement Specification 10%, Software Design 20%, Software Test Plan 5%, User Manual 5%, Presentation & Demo 10%

This class involves a team project. Each member of the team is required to participate in the team project and have an equal share of work and responsibility. Toward the end of the semester, each team member will rate his or her other team members. These ratings will help determine if an adjustment needs to be made to a team member's term project grade.

Each student will be required to present during class. Failure to present will result in course failure.

Grade Distribution:

A = 100 to 90, B = 89 - 75, C = 74 - 60, D = 59 - 50, F = 49 and Below

General Policies:

Students are responsible for checking the web site frequently for course related material and announcements. This site will be the primary form of communication for the course unless otherwise specified.

Please include "CSE 3310" in the Subject line of all e-mail correspondence.

Any homework or projects assigned is due at the end of the class on the due date. There is a 10% penalty for every 24 hours being late, or fraction thereof, beyond the deadline. Maximum latency is 5 days beyond which a grade of zero will be assigned.

No make up exams or assignments will be given.

You may select any language/system to implement your project. In general, there will be more support for C/C++/Java/ASP/VB and Microsoft's Visual Studio environments.

Cell phones, pagers, PDAs, and other similar electronic devices should be muted during class. All electronic devices must be deactivated during examinations.

Food and drink are permitted in class provided the department permits food and drink in the classroom.

Audio and/or video recordings of the instructor are not allowed unless there are special circumstances (e.g. ADA issues). If a recording is made, students are prohibited from uploading it onto public forums (e.g. YouTube, Facebook, Google+, etc.)

All exams are closed book.

The instructor reserves the right to modify the policies, calendar, assignments, point values and due dates.

Attendance:

At The University of Texas at Arlington, taking attendance is not required. Rather, each faculty member is free to develop his or her own methods of evaluating students' academic performance, which includes establishing course-specific policies on attendance. As the instructor of this section, students may attend class at their own discretion. Attendance will not be factored into the final grade, however students are responsible for the material covered during their absence.

Drop Policy:

Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. Students will not be automatically dropped for non-attendance. Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office

of Financial Aid and Scholarships (<http://www.uta.edu/aaofao/>).

Americans with Disabilities Act:

The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the Americans with Disabilities Act (ADA). All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

Title IX:

The University of Texas at Arlington is committed to upholding U.S. Federal Law "Title IX" such that no member of the UT Arlington community shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. For more information, visit www.uta.edu/titleIX.

Academic Integrity:

Students enrolled all UT Arlington courses are expected to adhere to the UT Arlington Honor Code:

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.
I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System Regents' Rule 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.

Electronic Communication:

UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

Student Feedback Survey:

At the end of each term, students enrolled in classes categorized as “lecture,” “seminar,” or “laboratory” shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student’s feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

Final Review Week:

A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabus. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

Emergency Exit Procedures:

Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit, which is located outside the classroom and to the left. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist individuals with disabilities.

Student Support Services:

UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to resources@uta.edu, or view the information at www.uta.edu/resources.