1 General Information

Class Time: 12:00 - 1:15 MW
Class Location: Devon Energy Hall 0120
Prerequisites: CS 3113 or CS 3823 or CS 5004

Required Materials:

Supplemental Materials (not an exhaustive list):

Instructor and Office Hours:

<table>
<thead>
<tr>
<th>Office</th>
<th>Hours</th>
<th>E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEH Lobby</td>
<td>M: 1:15-1:45</td>
<td><a href="mailto:Nicolas.G.Grounds-1@ou.edu">Nicolas.G.Grounds-1@ou.edu</a></td>
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<tr>
<td></td>
<td></td>
<td>And by appointment</td>
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1.1 Important Dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>First Day of Class</td>
<td>Aug 19</td>
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<tr>
<td>Final Exam Prep Week</td>
<td>Dec 2 - 8</td>
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<tr>
<td>Final Exam</td>
<td>Fri, Dec 13, 1:30 - 3:30 AM</td>
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<td>Labor Day Holiday</td>
<td>Sep 2</td>
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<td>Thanksgiving Vacation</td>
<td>Nov 27 - 29</td>
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<tr>
<td>Final Day No-Record Drop</td>
<td>Aug 30</td>
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<tr>
<td>Final Day W-Record Drop</td>
<td>Sep 27 (Oct 25)</td>
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<tr>
<td>Final Day for Credit → Audit</td>
<td>Oct 25 (Aug 30)</td>
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<tr>
<td>Tentative Dates</td>
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<tr>
<td>Midterm</td>
<td>Wed, Oct 2</td>
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2 Course Policies

2.1 Class Attendance

Class attendance is important because we will discuss/clarify concepts and examples that are may not be in the text book. You are responsible for everything that is announced in class, independent of whether you choose to attend or not. In class students may be required to work in small groups. Additionally, graded quizzes will be given in class. Students who do not attend will not get credit for quizzes or group assignments.
2.2 Class Home Page

This class will use Desire2Learn (D2L) software for our home page. The URL for the home page is http://learn.ou.edu. Login with your 4+4 using your standard OU password. If you have difficulty logging in, call 325-HELP. This software provides a number of useful features, including a list of assignments and announcements, an electronic mailing list, newsgroups, and grade book. I will use this web site for all updates. You should check the site regularly.

2.3 Class Email Alias

Urgent announcements will be sent through email. It is your responsibility to:

- Regularly read your university supplied e-mail or have it forwarded to a location where you do regularly read e-mail. I'll send out a test message during the first week of class. If you do not receive this message, it is your responsibility to get the problem resolved.

- Have your email program set up so that replying to your email will work correctly. You can send email to yourself and reply to yourself to test this. If you need assistance in accomplishing any of these tasks, contact 325-HELP. You are responsible for reading emails within 24 hours.

2.4 Examinations

There will be one midterm examination and a final examination. Missing an examination without a previously approved excuse will result in a grade of zero for that examination. If an examination is missed for a verifiable, documented, and approved reason the percentage of the grade coming from the final examination will be adjusted to compensate. Makeup examinations are not available, except as required by University policy.

2.5 Final Examination

The final examination is on Friday, December 13th in our regular classroom, Devon Energy Hall 0120. The final is comprehensive, as required by College of Engineering policy. No final examinations can be given early, except as required by University policy.

2.6 Academic Misconduct

All work submitted for an individual grade, such as quizzes, should be the work of that single individual: not their friends or tutor.

- Do not show another student a copy of your homework or projects before the submission deadline. The penalties for permitting your work to be copied are the same as the penalties for copying someone else's work.

- If you choose to do your work on your computer, make sure that your computer account is properly protected. Use a good password, and do not give your friends access to your account or your computer system. Do not leave printouts, or thumb drives around a laboratory where others might access them.

- Upon the first documented occurrence of collaborative work, I will report the academic misconduct to the Campus Judicial Coordinator. The procedure to be followed is documented in the University of Oklahoma Academic Misconduct Code (http://studentconduct.ou.edu/images/stories/student_codebook20092010.pdf). In the unlikely event that I elect to admonish the student, the appeals process is described in http://www.ou.edu/provost/integrity-rights/.
2.7 Accommodation of Disabilities
The University of Oklahoma is committed to providing reasonable accommodation for all students with disabilities. Students with disabilities who require accommodations in this course are requested to speak with the professor as early in the semester as possible. Students with disabilities must be registered with the Office of Disability Services prior to receiving accommodations in this course. The Office of Disability Services is located in Goddard Health Center, Suite 166, phone 405/325-3852 or TDD only 405/325-4173.

2.8 Use of Evaluations
The College of Engineering utilizes student ratings as one of the bases for evaluating the teaching effectiveness of each of its faculty members. The results of these forms are important data used in the process of awarding tenure, making promotions, and giving salary increases. In addition, the faculty uses these forms to improve their own teaching effectiveness. The original request for the use of these forms came from students, and it is students who eventually benefit most from their use. Please take this task seriously and respond as honestly and precisely as possible, both to the machine-scored items and to the open-ended questions.

3 Course Coverage and Procedures

3.1 Teamwork Issues
The workloads of teams are expected to be evenly distributed among the members. One will risk losing all or part of the project grade if he does not make a fair contribution.

3.2 Incomplete
Due to the teamwork nature of aspects of this course, a grade of Incomplete cannot be granted.

3.3 Material Covered
Most or all chapters in Sommerville will be covered. Additionally, most or all of Nisan/Shocken will be covered.

3.4 Homework
To balance the team-based Project activity of the course, and lay the groundwork for the project assignment there will be homework given during the first part of the course, taken from the Nisan/Shocken textbook. Homework assignments are to be completed individually (not in teams) and must reflect the work of the individual.

3.5 Project
The major activity in the class is participation in a project to develop an improvement to an existing software application. Throughout the lifecycle of this project, students will have the opportunity to serve in different capacities and gain related experience. A team is made up of three to four members, and the responsibilities of each team, as well as its membership, may change throughout the software development process. The project will go through several process phases, including:

- Project proposal
- Requirement analysis
- System specification
• Architecture design
• Construction
• Product demonstrations
• User testing
• Evaluation

Note that the processes are not of equal length, and some processes may go through multiple iterations. Furthermore, some processes may overlap. Each process requires appropriate reporting and/or presentations.

3.6 Software Tools
Various software development and analysis tools will be presented and used during the course of the software development project. Some tools will be recommended and their use is optional and some will be required. No commercial software requiring monetary cost will be required. Using commercial software optionally without proper licensing is illegal, unethical, and unacceptable in this class.

3.7 Backup Copies of Projects
It is the students responsibility to backup their files appropriately. No extensions to deadlines will be given as a result of lost files, unless there is a massive, network wide problem that affects the entire class. Do not rely on anyone else to backup your important files. Buy a jump drive (or other media) and make backing up your work a routine part of computer usage. Always back up your files at the end of the laboratory session. It is particularly important to save a backup copy of any project that is submitted. This backup version should not be opened or edited after submission in case something goes wrong with the submission system.

4 Evaluation
4.1 Project Grading
Because the project is a team effort a portion of your grade for it will be based on the evaluation of how the team met the projects’ goals as a whole. A portion of your individual grade will also be calculated independent of other team members’ performance/effort, based on student evaluations.

4.2 Examination Grading Questions
If there is a dispute about the grading of an examination problem, you may stay after class the day the tests are returned to discuss it. If you cannot stay at this time, return the paper to me and stop by during my office hours. Once a test has been removed from the classroom after it has been returned, the grade is final and will not be changed, even if it is found to be in error.

4.3 Desire2Learn (D2L) Grade Summary
Desire2Learn has a grade book that is used to store the raw data that is used to calculate your course grade. It is the responsibility of each student in this class to check their grades on Desire2Learn after each project or homework is returned. If an error is found, bring the grading document to me, and I will correct it.
4.4 Grading

There are 5 components to the course grade. They are weighted as follows.

<table>
<thead>
<tr>
<th>Component</th>
<th>Percent</th>
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<tbody>
<tr>
<td>Quizzes/In-class Assignments</td>
<td>10</td>
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<tr>
<td>Homework</td>
<td>10</td>
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<tr>
<td>Midterm Exam</td>
<td>15</td>
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<tr>
<td>Final Exam</td>
<td>25</td>
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<tr>
<td>Project</td>
<td>40</td>
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