Official Description of CS 329E: "This is a course on software engineering using various programming languages. It is also strongly focused on using tools to improve the quality of software development, including source control, unit testing, coverage, continuous integration, and automated documentation."

Prerequisites: Computer Science 313E, 314, or 314H with a grade of at least C

Learning Outcomes: At the end of this course students should be able to
- Explore the basics of extreme programming.
- Gain experience working in teams to create software.
- Gain experience with software tools for software development.
- Gain experience with software documentation

Textbooks:
- Database Design with UML and SQL (http://www.topjewett.com/dbdesign/dbdesign.php)

Webpage: https://www.cs.utexas.edu/~sscw/cs329efall2017

Grading:
- During the term there will be a midterm exam and a final exam. Assignments will be given regularly in lecture (see class schedule). Your grade will be earned from your performance on these components using the following weights:
  - Exams: 30% (Midterm Exam: 15% and Final Exam: 15%)
  - In-Lecture Participation: 5%
  - Homework Assignments: 30%
  - Projects: 35%

Through the semester you will working your way through 6 levels of achievements and the following is the point and letter grade breakdown:

<table>
<thead>
<tr>
<th>Level Number</th>
<th>Level Name</th>
<th>Point Range</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Fellow</td>
<td>900-1000</td>
<td>A</td>
</tr>
<tr>
<td>6</td>
<td>Distinguished</td>
<td>800-899</td>
<td>B</td>
</tr>
<tr>
<td>5</td>
<td>Principle</td>
<td>700-799</td>
<td>C</td>
</tr>
<tr>
<td>4</td>
<td>Manager</td>
<td>600-699</td>
<td>D</td>
</tr>
<tr>
<td>3</td>
<td>Senior</td>
<td>450-599</td>
<td>F</td>
</tr>
<tr>
<td>2</td>
<td>Intermediate</td>
<td>300-449</td>
<td>F</td>
</tr>
<tr>
<td>1</td>
<td>Junior</td>
<td>150-299</td>
<td>F</td>
</tr>
<tr>
<td>0</td>
<td>Intern</td>
<td>0-149</td>
<td>F</td>
</tr>
</tbody>
</table>

When calculating your grade, the instructor will use the following to assign final grades. The ranges are set and guaranteed; therefore, a student who earns a score of 970 will receive an A+ in the course. However, the instructor may choose to be more generous (on a case-by-case basis) depending on numerical factors.

Grading scale will be used: A+ → 97-100%, A → 94-96%, A- → 90-93%, B+ → 87-89%, B → 84-86%, B- → 80-83%, C+ → 77-79%, C → 74-76%, C- → 70-73%, D+ → 67-69%, D → 64-66%, D- → 60-63%, and F → 59% or less

An incomplete grade ("I") is intended for the student who has missed a relatively small portion of work due to circumstances beyond his/her control. Please contact the instructor to discuss getting an incomplete. Please note that the remaining work will need to be completed independently.

Assignments and Late Assignments Policy: Assignments will be given on a regularly scheduled basis. These need to be worked on outside of the regular scheduled class time. Each will have a due date and time. All solution material should be submitted electronically via the Canvas website for the course (unless otherwise stated by the instructor). For the first week, a penalty of 5% per day it is late (of the total possible points) will be deducted. After the first week, the penalty per day will increase to 10% per day. If any work is more than 20 days late, it is no longer worth any points and will not be accepted for grading. Weekends and holidays are all counted when calculating lateness. No solution materials will be accepted after 5:00 PM on the last day of classes. If you do miss class, it is your responsibility to contact the instructor to find out what work has been missed. The decision to allow the making up work missed during the absence or the extension of deadlines will be made on an individual basis.

Missed Exams: If you miss an exam, contact the instructor asking for a make up exam as soon as it is possible (if possible inform the instructor before the exam that you will miss). To be excused there must be significant circumstances beyond the student's control and generally this will require documentation (i.e., a doctors note in the case of an illness). The decision as to how the exam is made-up will be made on an individual basis.

Contesting a Grade: If you feel that a grade is incorrect on Canvas or missing, you as the student are responsible for bring the issue to the instructor attention by NOON on the day following the last exams. Please make sure you check Canvas grades on a regular basis and contact the instructor ASAP to discuss any issues, errors, etc.

Canvas & Email, Use of Electronic Devices During Class: Course material (lecture notes, in-class activities, assignments, etc) will be posted on the CS 361 Canvas site. Students are responsible for this material. Students are responsible for material and information sent by the instructor to their email account. The instructor is extremely willing to assist with assignments or other course material via email. You are expected to stay alert & pay attention to the directions/announcements in the class. Cell phones & other similar electronic devices should not be used during class. You may use a laptop or tablet in the class to enhance your learning experience. If the instructor feel it is distracting to you or others, they may ask you to turn-off your computer. Also, don't repost any class materials on CourseHero or any other public repository. Consider all course materials to be copyright and this is a serious violation of copyright laws.

Student Inclusion: Students needing academic accommodations from the Division of Diversity and Community Engagement, Services for Students with Disabilities (http://www.utexas.edu/diversity/ddce/ssd) please see the instructor to make arrangements.

Academic Honesty: Unless otherwise told, you may not bring aids (notes, books, etc) to exams. Submission of another person's work (in part or whole) is not permitted. You may discuss the class material and assignments with other students. However, be careful that you do not represent the work of another as your own. Things that are not allowed:
- Copying another person's work
- Two or more students work is essentially the same in line-by-line logical structure
- Giving your completed work to someone else
- Accepting another student's completed work in either hardcopy or electronic form

Using information, material, source codes, & lecture notes found on the Internet (or elsewhere) may be helpful to you in this course. It is completely acceptable to refer to the material stated above to enhance your solutions, generate your own ideas, or enhance your understand of the material. However, you must give proper and full credit to original authors of the work if you include their
ideas and/or solutions in your own work. Failing to give proper credit is both an academic & professional dishonesty. Additional information on and explanation on academic honesty and dishonesty see [http://www.cs.utexas.edu/academics/conduct](http://www.cs.utexas.edu/academics/conduct).

Last Updated: 8/29/17
## CS 361 VERY Tentative Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics/Suggested Reading</th>
<th>Assignments/Projects/Exams</th>
</tr>
</thead>
</table>
| 1    | Syllabus, Course Schedule  
What is Software Engineering?                                                              | Assignment #0 due on Sunday @ 11:59 pm  |
| 2    | No class Sept 4                                                                          |                                         |
| 3    |                                                                                         | Assignment #1 due on Sunday @ 11:59 pm  |
| 4    |                                                                                         |                                         |
| 5    |                                                                                         | Assignment #2 due on Sunday @ 11:59 pm  |
| 6    |                                                                                         |                                         |
| 7    |                                                                                         | Assignment #3 due on Sunday @ 11:59 pm  |
| 8    | Review for Exam I                                                                        |                                         |
| 9    |                                                                                         | Midterm Exam Oct 23                     |
| 10   |                                                                                         |                                         |
| 11   |                                                                                         | Assignment #4 due on Sunday @ 11:59 pm  |
| 12   |                                                                                         |                                         |
| 13   | Class on Monday, Nov 20  
No class Nov 22-25                                                                             | Assignment #5 due on Sunday @ 11:59 pm  |
| 14   |                                                                                         |                                         |
| 15   |                                                                                         | Assignment #6 due on Sunday @ 11:59 pm  |
| 16   | Last Day of Class – Dec 11  
Final Exam Time                                                                 |                                         |