CS 3398: Software Engineering  
Fall 2012

Section 002

Instructor: Dr. Jill Seaman  
Nueces 221  
245-4706  
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Course Webpage: http://www.cs.txstate.edu/~js236/cs3398

Office Hours:  
MW: 9:30AM – 10:30AM  
TR: 1:30PM – 3:00PM  
and by appt.  
(subject to change).

Meeting Time/Place: MW 11:00PM-12:20PM DERR 235

ISBN: 0137035152

List of required readings: Chapters 1-9

Prerequisites: CS 3358 and (CS 2315 or EE 2400)

Course Description: The study of software design, implementation, and validation techniques through team projects. Structured analysis, programming style, and project documentation are emphasized in large software projects.  
This is a Writing Intensive course.

Course Objectives:  
1. Students will be able to describe the details of several development models.  
2. Students will be able to apply engineering skills to software development in order to produce higher quality, maintainable software.  
3. Students will learn how to manage and effectively participate in a development group.  
4. Students will participate in project teams and practice group planning, decision making, commitments and meeting team schedules.  
5. Students will apply structured and thorough technical writing skills to software documentation.

Notifications from the instructor: Notifications related to this class will be sent to your Texas State e-mail account. Be sure to check it regularly.

Attendance: I record attendance every day and I expect you to be in class every day. It is not part of the calculation of your final grade.
**Grading:**

- Homework and in-class group work: 10%
- Term Paper: 15%
- Team Project Presentation: 10%
- Team Project Paper (SRS): 15%
- Midterm: 25%  Wed, Oct 10
- Final Exam: 25%  Wed, Dec 12, 8-10:30AM

**Homework and in-class group work:** This portion of your grade is based on written homework assignments and in-class group exercises. These cannot be made up (if you are absent for the in-class work, you get a zero).

**Term Paper:** This is an individual assignment. You will be able to choose any topic in software engineering. The paper will be not more than 10 pages, and will be a survey paper based on several different sources.

**Team Project:** You will form teams of 4-5 people. The main job of the team is to produce a Software Requirements Specification (SRS) document given a problem description that will be provided to you. Each team will give a presentation of their document to the class, and then rewrite and submit the document based on feedback from the presentation.

**Makeup Policy:** Homework and in-class group work cannot be made up. Exams may be made up in exceptional circumstances, with approval from the instructor.

**TRACS:** Your grades will be posted on TRACS. Everything else will be on the class webpage.

**Withdrawals/drops:** You must follow the withdrawal and drop policy set up by the University and the College of Science. You are responsible for making sure that the drop process is complete.

[http://www.registrar.txstate.edu/registration/drop-a-class.html](http://www.registrar.txstate.edu/registration/drop-a-class.html)

**Last day to drop:** October 25, 2012.

**Academic Honesty:** You are expected to adhere to the University’s Academic Honor Code as described in [http://www.txstate.edu/effective/upps/upps-07-10-01.html](http://www.txstate.edu/effective/upps/upps-07-10-01.html). Also see the Texas State Student Handbook.

**Classroom Behavior:** Do not disrupt other students during class. Please do not arrive late or leave early (without prior permission from the instructor). Cell phones, iPods, etc. should be kept out of sight and turned off or on vibrate during lecture. Laptops and iPads are fine for note-taking (or following the lecture notes) ONLY.

**Accommodations for students with disability:** Any student with special needs requiring special accommodations should inform me during the first two weeks of classes. The student should also contact the office of disability services at the LBJ student center.