Course Syllabus

Course Information
CE/CS/SE 3354.003
Software Engineering
Fall 2015
Tue/Thur 11:30am-12:45pm
ECSS 2.305

Professor Contact Information
Dr. Lingming Zhang
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Office: ECSS 4.205
Office hours: Tue/Thur 2:00pm-3:00pm

Course Pre-requisites, Co-requisites, and/or Other Restrictions
CE 2336 or CS 2336 or TE 2336 with a grade of C or better or CS 3333
CE 2305 or CS 2305 or TE 2305 with a grade of C or better or equivalent
Prerequisite or Corequisite: ECS 3390

Course Description
Introduction to software life cycle models
Software requirements engineering, formal specification and validation
Software architecture and design
Advanced techniques for software testing
Formal methods in software engineering

Student Learning Objectives/Outcomes
1) Ability to understand software lifecycle development models
2) Ability to understand and apply software requirements engineering techniques
3) Ability to understand and apply software design principles and modeling
4) Ability to understand and apply software testing techniques
5) Ability to understand the use of metrics in software engineering
6) Ability to understand formal methods in software development
7) Ability to establish and participate in an ethical software development team
8) Ability to understand software project management
9) Ability to understand CASE tools for software development

Required Textbooks and Materials
NONE
Suggested Course Materials

Assignments & Academic Calendar
Thursday, Sept 24: Exam #1
Thursday, Oct 29: Exam #2
Nov 23-28 Holidays (no class)
Dec 8: Exam #3 (final) will be this day or during the final exam period

Grading Policy
Homework and quizzes: 20%
Project: 30%
Exam #1 10%
Exam #2 10%
Exam #3 20%
Course participation: 10%

Course & Instructor Policies
1. Make-up exams will be granted only for exceptional conditions.
2. Extra credit work will be available as informed by the instructor.
3. All assignments are due by the beginning of class on the day due.
4. Assignments will not be accepted late unless there are extraordinary circumstances.
5. Assignments should include your (team) name, your utd id, and the title of the assignment. The assignments missing identity may not get credit.
6. Assignments should be submitted through eLearning, but may also be accepted as hardcopy hand-ins.
7. You are expected to attend class.
8. Cell phones shall not be used in the classroom during sessions. If you are expecting an emergency you may place them on silent. If you receive a call, leave the room.

UT Dallas Syllabus Policies and Procedures

The information contained in the following link constitutes the University’s policies and procedures segment of the course syllabus.

Please go to http://go.utdallas.edu/syllabus-policies for these policies.

*The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.*