CS/CE/SE 3354.004 – Software Engineering

Course Information

Course Number/Section	*CS/CE/SE 3354.004*
Course Title	*Software Engineering*
Term	*Fall 2016*
Days & Times	*MW 11:30am – 12:45pm*
Location	*ECSS 2.412*

Professor Contact Information

Instructor	*Dr Bill Semper*
E-Mail	*WJS130130@utdallas.edu*
Office hours	*T THR, 4:00 – 5:00pm, ECSS 4.602*
Phone	*972-883-4139*
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Course Pre-requisites, Co-requisites, and/or Other Restrictions:

Prerequisites: CE/CS 2336 or CS 3333, and CE/CS/TE 2305 or equivalent.
Pre- or co-requisite: ECS 3390. (Same as CS/SE 3354).

Course Description

Introduction to software life cycle models. Software requirements engineering, formal specification and validation. Techniques for software design and testing. Cost estimation models. Issues in software quality assurance and software maintenance.

Student Learning Objectives/Outcomes

After successful completion of this course, the student are expected to gain these:
1) The ability to understand software lifecycle development models
2) The ability to understand and apply software requirements engineering techniques
3) The ability to understand and apply software design principles
4) The ability to understand and apply software testing techniques
5) The ability to understand the use of metrics in software engineering
6) The ability to understand formal methods in software development
7) The ability to establish and participate in an ethical software development team
8) The ability to use software project management tools and techniques
9) The ability to use CASE tools for software development.

Required Textbooks and Materials

Text: Object Oriented and Classical Software Engineering by Stephen R. Schach,
ISBN-13: 978-0-07-337618-9.

Assignments & Academic Calendar: *These descriptions and timelines are subject to change at the discretion of the Professor.*

Date	Topic
August 22	Classes Begin
September 28	Mid-Term Exam
TBD	Final Exam

Grading Policy

HW Assignments	20%
Final Project	20%
Mid-Term	30%
Final	30%

100-98, A+	97-92, A	91-90, A-
89-88, B+	87-82, B	81-80, B-
79-78, C+	77-72, C	71-70, C-
69-68, D+	67-62, D	61-60, D
59-0 ☹		

Computer Science Department Attendance Policy: Three consecutive absences leads to one letter grade drop. Four consecutive absences leads to an F.

For detailed information about University policies and procedures related to this syllabus, please refer to http://go.utdallas.edu/syllabus-policies.