CS 6063 (14590) - Software Engineering I

(Version 1)
Fall 2017

Instructor's name & title
Professor Strauss, CCP
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NYU – Tandon School of Engineering

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Office hour (2MT 10.048)
Wednesday 9:00 – 9:30 am and noon – 1:00 pm
(or by appointment)

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Graduate Assistant/Grader

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Course Information

Course  level  credits
Graduate  3.0

Class times and location
Wednesday  9:30 am – 12:00 pm - RH 721

Prerequisites

Graduate status
Objectives

To learn software-engineering techniques that can be applied to practical software projects.

a) **Understanding of the full** "software engineering" effort and alternative approaches
b) **Technical emphasis** on requirements, design, development, measurement, and modeling
c) **Understanding management** issues including software cost estimating and project management
d) **Understanding process** applicable to the software development/integration cycle and maintenance
e) **Impact of technology changes** on quality and development activities

Methods of Instruction

The primary method of instruction is lectures supplemented with related assignments, readings, and projects.

Weekly Lecture Hours: 3 | Weekly Lab Hours: 0 | Weekly Recitation Hours: 0

General Content

The course emphasizes the full software-engineering approach with alternative approaches. Technical emphasis is on requirements, design, development and modeling. Management issues include software cost estimating and project management. Understanding the processes applicable to the software development/integration cycle and maintenance along with technology changes on quality and development activities is highlighted.

Project Presentation

Each project team is required to deliver a formal in class presentation describing the technical details and processes (covering the system life cycle from idea generation to requirements elicitation through design
documentation). Presentation delivery, format, and content should be based on principle of a professional presentation. Presentation worksheets will be distributed faculty and peer evaluation. All team members are expected to participate in the presentation.

TEXTBOOKS, READINGS, MATERIALS

TEXTBOOK


Pressman - URL - http://www.mhhe.com/pressman

SUPPLEMENTARY READINGS


Cohn, Mike – Succeeding with Agile, Addison Wesley, New York, 2013


The instructor may distribute additional material.

COURSE POLICIES

(ADDITIONAL POLICIES POSTED AT NYU CLASSES)

ATTENDANCE/LATENESS

Students are expected to attend lectures. Attendance is required. In case of absence, the student is responsible for the material covered during that lecture. Absence from exams will be accepted only if the student notified the instructor or Academic Affairs prior to the exam