CS2450 - Software Engineering
MIS4450 - Project Management
WEB3450 - Software Engineering

Spring 2017

- Syllabus
- Schedule and outline
- Assignment submission/grading (login required)
- Project Ideas

Instructor

- Dr Bob Nielson

Book

- Books
- 7Habits
- Django - D is silent
- Ruby On Rails
- Code.org
- SCRUM
- Pivotal Tracker
- Final Review

Planning

- Project Planning  Microsoft Project Windows  OmniPlan MAC OSX
- Cocomo Estimation  Costar Cocomo
- Mythical Man Month
- Killer Robot
- CMMI
- Software Development Processes
- SCRUM

Design

- UML
- IBM UML Tutor
- IBM UML Class Tutor
- IBM UML Component Tutor
- IBM UML Sequence Tutor
- Petri-Net
- Architectural Styles
- User Experience
- Sketch-Swift

Coding

- GIT
- Programming Style  Dean Mathis  McCann
Programming Style

Hungarian Notation
IDE
Eclipse
Understand
7Habits
Kevin Groke
Natasha Stander
Wing IDE
PyCharm IDE
Atom Editor
Visual Studio Code
Android Studio
Swift from Sketch

Testing

General
Acceptance Testing
Code Reviews
Unit Testing
Black Box Testing
White Box Testing
Stress Testing- Destructive
Automated Testing - Oracle
Fault-Injection - Mothra Testing
Smoke Testing
Regression Testing
Security Testing
Software Quality
Tutorials-Quality
Python Unit Testing
Dependency Injection

Implementing

Documentation-1
Documentation-2