Fall 2017

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

Instructor

- Dr Bob Nielson

Book

- Books
- 7 Habits
- 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
- GITHUB Tutor
● Programming Style Dean Mathis McCann
● Python Tips
● Hungarian Notation
● IDE
● Eclipse
● Understand
● 7Habits
● Kevin Groke
● Natasha Stander
● Wing IDE
● PyCharm IDE
● Atom Editor
● Visual Studio Code
● Android Studio
● Swift from Sketch
● xCode

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
● Sci-Tools
● Code Checking Automation
● Python Unit Testing
● Dependency Injection 46:51

Implementing
● Documentation-1
● Documentation-2