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