Spring 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
- Programming Style Dean Mathis, McCann
Programming Style
Dean Mathis
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
- Sci-Tools
- Code Checking Automation
- Python Unit Testing
- Dependency Injection

Implementing
- Documentation-1
- Documentation-2