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

Fall 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
- GITHUB Tutor
Sub-sections:

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

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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

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Implementing

- Documentation-1
- Documentation-2