CS2450 - Software Engineering
IT4450 - Project Management

Fall 2015

- Syllabus CS2450
- Syllabus MIS4450
- Schedule and outline
- Assignment submission/grading (login required)

Instructor

- Dr Bob Nielson

Book

- Software Engineering
- Misc 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
- Petri-Net
- Architectural Styles
- User Experience

Coding

- GIT
- Programming Style
- Dean Mathis, Bonneau, McCann
- Hungarian Notation
- IDE
- Eclipse
- Understand
- Bad Coding Style
- 7Habits
- Kevin Groke
- Natasha Stander
Testing (http://en.wikipedia.org/wiki/Software_testing)

- 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

Implementing