



Operating Systems

CS 3013/502

Topics

- Background
- Admin Stuff
- Motivation
- Objectives
- Operating Systems!



Professor Background

- Dr. Mark Claypool (professor, “Mark”)
- Systems guy
 - operating systems
 - distributed systems
 - collaborative systems
 - (multimedia performance)
- TRS-DOS, MS-DOS, Win95, Solaris
- *WindowsNT/2000/XP* and *Linux*



Student Background

- Who are you?
 - Name
 - Year (senior, grad student ...)
 - Major (CS, EE, ND, Basket Weaving ...)
- C experience
- Previous degree and where
- Operating Systems?
- Other



Syllabus Stuff

- <http://www.cs.wpi.edu/~claypool/courses/502-Su05/>
- TAs: (Probably just me)
- Office hours: (by appointment)
- Email
- Text Book(s)



Course Structure

- Prerequisites
 - C programming (must)
 - Machine organization (recommended)
 - + Chapter 2 in Silberchatz text
 - Unix (recommended)
- Grading
 - Exams (60% for 502, 50% for 3013)
 - Projects (40% for 502, 50% for 3013)
 - Attendance (100% ... kidding)



Exams

- 60% of 502 grade, 50% of 3013 grade
- 2 exams for 502, 1 exam for 3013
- Non-cumulative
- Closed-note
- Closed-book
- Closed-friend



Projects

- 2 projects for 3013, 3 projects for 502
 - (maybe some extras)
- Implementation in Unix
 - If Windows, then you are on your own
- Solo
- Project 0
 - Unix dabbling
 - Not due
- Project 1
 - Due in about 2 weeks



Slides

- On the Web
- Powerpoint and PDF
- Caution! Don't rely upon the slides alone!
Use them as supplementary material
 - (come to class)



Why This Class?

- WPI CS requirements
 - “core area” for grads
- Combines CS concepts
 - algorithms, languages, data-structures, hardware
 - system design w/tradeoffs
- Better use of the computer
- C programming in Unix environment
 - Foundation for systems work, other courses
- Fun!

