



Operating Systems

CS 3013

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
- *Windowd 2000/NT* and *Linux*



Student Background

- Who are you?
 - Name
 - Class (freshman, junior ...)
 - Major (CS, EE, Basket Weaving ...)
- C experience
- Intro course: cs1005, cs1006, other?
- Linux experience
- Operating Systems?
- Other (Super Bowl predictions)



Syllabus Stuff

- <http://www.cs.wpi.edu/~claypool/courses/3013-A03/>
- TAs: Jae Chung, Mingzhe Li
- Office hours: (see Web page)
 - Mo 12-2, Tu 9-10, We 11-1, Th 11-12, Fr 12-1
- Email
- Text Book(s)



Course Structure

- Prerequisites
 - C programming (must)
 - Machine organization (recommended)
 - + Chapter in Silberchatz text
 - Unix (recommended)
- Grading
 - Homework (15%)
 - Exams (50%)
 - Projects (35%)
 - Attendance (100% ... kidding)



Homework

- “Paper” problems
- Designed to get you ready for exam
- Stress ideas taught in class
 - (so, come to class)
- Not done in groups



Exams

- 2 exams
- 50% of grade
- Non-cumulative
- Closed-note
- Closed-book
- Closed-friend



Projects

- 3 projects (plus some extras)
- Implementation in Linux!
 - “Fossil Lab”
- Groups!
- Project 0
 - Linux dabbling
 - + admin, tools, kernel ...



Slides

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



Why This Class?

- WPI CS requirements
 - “core course” for majors
- Combines CS concepts
 - algorithms, languages, data-structures, hardware
 - system design w/tradeoffs
- Better use of the computer
- C programming in Unix environment
 - Networks, Distributed Computing Systems
 - WebWare
- Fun!

