



Operating Systems I

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
- ◆ *WindowsNT* and *Linux*



Student Background

- ◆ Who are you?
 - Name
 - Class (freshman, junior ...)
 - Major (CS, EE, Basket Weaving ...)
- ◆ C experience
- ◆ Java experience
- ◆ Unix experience
- ◆ Operating Systems?
- ◆ Other



Syllabus Stuff

- ◆ <http://www.cs.wpi.edu/~claypool/courses/3013-A99/>
- ◆ TAs: *Ganga Kannan, Sirisha Jasti*
- ◆ Office hours :
 - Monday: 10-11, 12-1
 - Tuesday: 10-11
 - Wednesday: 11-12, 2-3
 - Thursday:
 - Friday: 10-11, 4-5
- ◆ Email
- ◆ Text Book (sigh)



Course Structure

- ◆ Prerequisites
 - C programming (must)
 - Machine organization (recommended)
 - Unix (recommended)
- ◆ Grading
 - Exams
 - Projects
 - Homework
 - Attendance (kidding)



Exams

- ◆ 2 exams
- ◆ 35% of grade
- ◆ Non-cumulative
- ◆ Closed-note
- ◆ Closed-book
- ◆ Closed-friend
- ◆ Cheat-sheet?



Projects

- ◆ 4 projects
- ◆ Implementation *using* OS concepts
 - not *of*
- ◆ C, Unix
 - C++ Ok
 - Java!
- ◆ Project 0
 - turn in via email



Slides

- ◆ On the Web
- ◆ PPT and PDF
- ◆ “Today’s Slides”
 - Say, 2:00-2:30
 - Will send email



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, OS II (Distributed Computing Systems), WebWare
- ◆ Fun!

