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
- WindowsNT and Linux

Student Background
- Who are you?
  - Name
  - Class (freshman, junior …)
  - Major (CS, EE, Basket Weaving …)
- C experience
- Linux experience
- Operating Systems?
- Other

Syllabus Stuff
- http://www.cs.wpi.edu/~claypool/courses/3013-A00/
- TAs: Hari Kannan, Jae Chung
- Office hours: (TBD, see Web page)
- Email
- Text Book

Course Structure
- Prerequisites
  - C programming (must)
  - Machine organization (recommended)
  - Unix (recommended)
- Grading
  - Homework (10%)
  - Exams (50%)
  - Projects (40%)
  - Attendance (100% … kidding)
Homework
- “Paper” problems
- Designed to get you ready for exam
- Stress ideas taught in class
  – (Oh yeah, do come to class)
- Not done in groups

Exams
- 2 exams
- 50% of grade
- Non-cumulative
- Closed-note
- Closed-book
- Closed-friend
- Cheat-sheet?

Projects
- 4 projects (well, sorta 5)
- Implementation in Linux!
  – “Fossil Lab”
- Groups!
  – Group names to Tas
  – Assign root password
- Project 0
  – admin, tools, kernel ...

Slides
- On the Web
- PPT and PDF
- “Today’s Slides”
  – Say, 12:00-12:30
  – Will send email
- Caution! Don’t rely upon the slides alone!
  Use them as supplementary material
  – (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!