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
- 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!