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 (Super Bowl predictions)

Syllabus Stuff
• http://www.cs.wpi.edu/~claypool/courses/3013-C01/
• TAs: Hari Kannan, Jae Chung, Rahul Pradhan
• 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
- One-page Crib-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!