Operating Systems

CS 3013/502

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/2000/XP and Linux

Student Background

• Who are you?
  – Name
  – Year (senior, grad student …)
  – Major (CS, EE, ND, Basket Weaving …)
• C experience
• Previous degree and where
• Operating Systems?
• Other
Syllabus Stuff

• http://www.cs.wpi.edu/~claypool/courses/502-Su05/
• TAs: (Probably just me)
• Office hours: (by appointment)
• Email
• Text Book(s)

Course Structure

• Prerequisites
  – C programming (must)
  – Machine organization (recommended)
    + Chapter 2 in Silberchatz text
  – Unix (recommended)

• Grading
  – Exams (60% for 502, 50% for 3013)
  – Projects (40% for 502, 50% for 3013)
  – Attendance (100% … kidding)
Exams

- 60% of 502 grade, 50% of 3013 grade
- 2 exams for 502, 1 exam for 3013
- Non-cumulative
- Closed-note
- Closed-book
- Closed-friend

Projects

- 2 projects for 3013, 3 projects for 502
  - (maybe some extras)
- Implementation in Unix
  - If Windows, then you are on your own
- Solo
- Project 0
  - Unix dabbling
  - Not due
- Project 1
  - Due in about 2 weeks
Slides

• On the Web
• Powerpoint and PDF
• Caution! Don’t rely upon the slides alone! Use them as supplementary material
  – (come to class)

Why This Class?

• WPI CS requirements
  – “core area” for grads
• Combines CS concepts
  – algorithms, languages, data-structures, hardware
  – system design w/tradeoffs
• Better use of the computer
• C programming in Unix environment
  – Foundation for systems work, other courses
• Fun!