





CS4513 Distributed Computer Systems

Mark Claypool



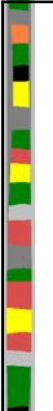

Topics

- Background
- Admin Stuff
- Motivation
- Distributed Computer Systems!





Professor Background (Who am I?)

- Dr. Mark Claypool (professor, "Mark")
 - Systems
 - CS3013 Operating Systems
 - CS4513 Networks
- Research interests
 - Networks (routing, congestion)
 - Multimedia performance



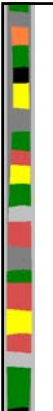

Syllabus Stuff

- <http://www.cs.wpi.edu/~claypool/courses/4513-B03/>
- Teaching Assistant:
 - Jae Chung
- Office hours:
 - TBD (about 3 per week each, 4 when projects are due)
 - See Web page
- Email (note changes!)
 - cs4513-ta at cs.wpi.edu
 - cs4513-all at cs.wpi.edu




(Absence of a) Text Book

- Book for File Systems:
 - Operating Systems text (Silberchatz or Tanenbaum)
- Reading List of Research Papers
 - CS Department makes copies
 - You pay CS department (I collect)
- "Recommended" texts



Topics

- File Systems
- The Web
- Network Games
- Peer-to-Peer
- Security
- Network Operating Systems



Course Structure

- Prerequisites
 - Operating Systems (CS3013, recommended)
 - Unix development experience (recommended)
 - No networking experience required
- Grading
 - Exams (55%)
 - Projects (45%)



Exams

- 2 exams
- 55% of grade
 - Last exam slightly larger
- Non-cumulative
- Closed-note
- Closed-paper
- Closed-friend
- One-page "crib-sheet" (handwritten)



Projects

- 4 projects
- Implementation in Unix
 - Can use fossil lab
- Individual
- Apply concepts taught in class
 1. Fossil Introduction
 2. Remote Shell
 3. File Systems
 4. Network Games



Slides

- On the Web
- PPT and PDF
- Caution! Don't rely upon the slides alone!
Use them as supplementary material
 - (come to class)
- See *timeline* and *reading list*, too



Why This Class?

- WPI CS requirements
 - (Gotta take 4000-level *something*)
- Systems are cool!
 - algorithms, networks, hardware...
 - (Computer "gear-head")
- Programming
 - The more you do, the better a scientist/software-engineer you are
 - Today, all systems are distributed
- Fun!

