Computer Networks
CS 4514

Topics
- Background
- Admin Stuff
- Motivation
- Objectives

Professor Background
- Dr. Mark Claypool (professor, “Mark”)
- Research areas
  - multimedia performance
  - collaborative filtering
- Underlying themes:
  - systems
  - networks
- MQPs and MS theses

Student Background
- Name
- Class (freshman, junior …)
- Major (CS, EE, Basket Weaving …)
- C experience
- Unix experience
- Operating Systems? From me?
- Other

Syllabus
- TAs: Hao Shang and Hong Su
- Office hours:
  - Monday: Thursday:
  - Tuesday: 2:30-3:30 Friday:
  - Wednesday:
- Email
- Text Book: Good stuff so read, but will focus
- Names?

Course Structure
- Grading
  - Exams: 2 exams, not cumulative
  - Projects: 3-4 programming projects
  - Homework: 3-4 homeworks
- Groupwork for projects, not for homework
- Prerequisites
  - C programming (a must)
  - Operating Systems (a must)
  - Unix (recommended)
  - Probability?
Why This Class?

- WPI requirements
  - “core course” for CS majors
  - 4000-level course
  - Crosslisted with ECE
- Networks are everywhere!
  - Modem, phone line, and software to join
  - Indeed, the network is the computer!
- Fun!

Course Objectives

- Understanding of Networks and Systems
  - Efficient and effective
  - Educate others
- Motivation
- Hands-on programming of several network layers
  - C and Unix
  - Maybe a network simulator (Tcl)