Welcome to CS 656, Session 4

Data Communications and Networking

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Administrative Matters

- Professor: Yih (Ian) Huang
- Office: ST II, Rm 443
- E-mail: huangyih@cs.gmu.edu
- Office hours: Tuesday 13:00 – 15:00, or by prior arrangement
- Course homepage: http://www.cs.gmu.edu/~huangyih/CS656-S99
Prerequisites

- CS 571 (Operating Systems)
- ability to read and create C/C++ code
- must have a site-unix account
- must have an email account

Please send an email to haungyi@cs.gmu.edu. The title of the mail must be “CS 656 student,” and the body contains your name and the last four digits of your social security number.

Grading

- Mid-term exam (March 11th) 25%
- Project 30%
- Homework 10%
- Final (May 20th) 35%
- Grades proficiency based
  \[ A > 90\%, \ B > 80\%, \ C > 70\%, \ D > 60\% \]
- 20% per week cut for late submissions of homeworks and projects, if accepted.
Course Materials

- Slides will be available by the midnight of Tuesday on course homepage.
- Text:
- References:
  Stallings, *Data and Computer Communications*, Prentice-Hall, 1997

Course Outline

- Data communications
  - transmission, interfaces, data link control, local area networks, mid-term exam
- Networking
  - network layer, Internet architecture, routing, transport layer, multicast
- Projects
  - create simplified protocol stack in a simulated environment
  - CRC, stuffing, DLC, MAC sublayer, routing
  - extra credit assignments possible
- Final is comprehensive.
Course Project

- The course project will use the "Networking Workbench," a collection of modules that simulate a TCP/IP-like network to a level of abstraction suitable for study.

- The project will be supported in the Sun Lab

S&T II, Rooms 12-14, 133/137

- Software and documentation are available on

http://bacon.gmu.edu/cs656

This is a password protected page. To get a password, send an email to help@bacon.gmu.edu, stating that you are registered in Dr. Huang's CS656 session.