COMPUTER NETWORKS
CS 45201
CS 55201

CHAPTER 0
Course Overview

H. Peyravi

Department of Computer Science
Kent State University
Kent, Ohio 44242
peyravi@mcs.kent.edu
http://mars.mcs.kent.edu/~ peyravi

Fall 2001

Contents

- Overview
- Frequently Asked Questions
- Where Are We Headed?

Overview

What Is This Course About?

- Network architecture.
  - Principles and Concepts.
  - General-Purpose Computer Networks.
- Network protocols.
  - Internet Perspective.
  - LAN Perspective.
- Distinction between architecture and implementation.

What Is Not This Course About?

- Network building and usage.
  - We will not cover how to build/use Novell Netware.
- Survey of existing protocol standards.
- Specialized networks.
- This is the first course in networking, we can't cover everything.
- Other courses.
  - CS 4/59995 Internet Engineering.
  - CS 6/75201 Interconnection Networks.
  - CS 6/75202 Adv. Computer Networks.
  - CS 6/75995 Wireless/Mobile Computing.
  - CS 6/75995 Sys. Model. & Performance Eval.
  - CS 6/75995 System Simulation.

Prerequisites

- CS 33001 Computer Organization.
- CS 4/55101 Computer Architecture.
- CS 33001 Data Structures.

Why You Should Not Take This Course

- You don't have the necessary background (prerequisites).
- You are not ready for the hard work $\Longrightarrow$ 10-15 hrs/week.
  - Reading the book and references.
  - Doing the homework.
- You want to learn how to set up a network.

Text and References

- Text: Larry Peterson and Bruce Davie, "Computer Networks A System Approach", 2nd Edition, Morgan Kaufmann, ISBN 1-55860-514-2.
- References:
  - Andrew Tanenbaum, "Computer Networks", 3rd Edition, Prentice Hall, ISBN 0-13-349945-6, 1996.
  - William Stallings, " Data and Computer Communications", 5th Edition, Prentice Hall, 1997.

Office Hours

- M 5:00–6:00 pm
  T-R 8:30–9:00 pm and by appointment
  peyravi@mcs.kent.edu
  http://mars.mcs.kent.edu/~peyravi
- 262 MSC,
- Phone 672-9062 (off-campus) 2-9062 (in-campus).
- Graduate teaching assistant $\Longrightarrow$ will be announced soon.

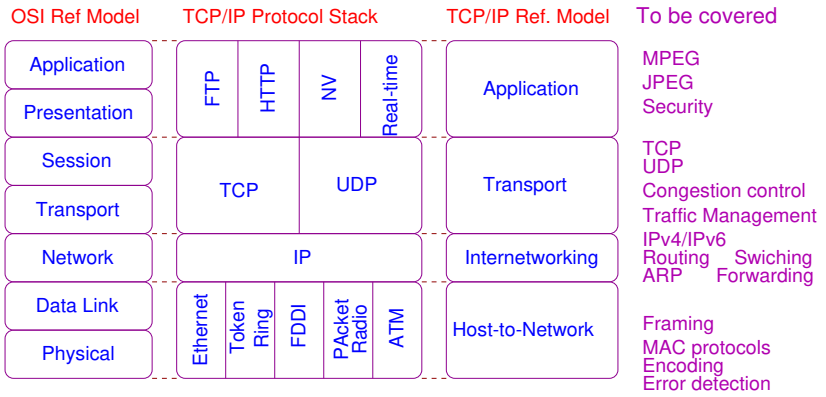
Course Evaluation

- First Exam (50%) $\Longrightarrow$ June 28, 2001
- Final (50%) $\Longrightarrow$ July 14, 2001

Frequently Asked Questions

- Do I give make up tests?
  - ▶ No, a student can not skip a test unless (s)he has a justifiable excuse with proper documentation.
- Do I curve your grade?
  - ▶ Your grade depends on the performance of the rest of the class.
- *Any other question?*

Where Are We Headed?



- We cover this course bottom-up.