CSE and EE 461
Lecture 1

Spring Quarter 1998

Goals of the Course

•Learn the basic ideas in computer networks, ideas that will transcend changes in technology.

•Learn some of the important current technologies. There are far too many to cover in depth in this course.

•Develop mathematical skills in analysing network problems. Develop analytical skills that focus on alternative approaches to solving problems (homeworks).

•Develop programming skills in designing network protocols (projects).

Course Information and Policies

•Instructor: Dr. Jadranka Curgus
jadranka.curgus@boeing.com
Office: EE1 307J
Office Hours: Friday 9:30 - 10:30

•Teaching Assistant: Xinyu Wang
EEB 213
xinyu@rcs.ee.washington.edu
Office Hours: Tuesday, Thursday 1:30-2:20

•http://www.cs.washington.edu/education/courses/461

•Text: Computer Networks, Third Edition
Andrew S. Tanenbaum, Prentice Hall, 1996

Text Coverage

- Chapter 1: Introduction - Network Architecture
- Chapter 2: Physical Layer - Transmission media
- Chapter 3: Data Link Layer - Sending data point to point
- Chapter 4: Medium Access - Accessing a broadcast channel
- Chapter 5: Network Layer - Routing the data through a network
- Chapter 6: Transport Layer - Sending data end-to-end, also how to make the network invisible
- Chapter 7: Application Layer - Selected topics as time permits

Homework Policy

- **20% of grade, all individual homeworks carry equal weight**
- **Homework assignments posted on the class web on Friday mornings**
- **Due the following Friday in the classroom at 8:30 am**
- **No late homeworks**
- **Graded homeworks returned within 10 days**

- **Discussion with other students about homework is encouraged, but copying another student's work or allowing your work to be copied is never allowed.**

Exam Policies

- **Final Exam:** **http://www.washington.edu/students/reg/S98exam.html**
  40% of grade
  Covers the entire course
  Closed book
  Handwritten notes - 1 page, no problems/solutions

- **Midterm Exam:** **Wednesday, May 6**
  20% of grade
  Closed book
  Notes as above

Project Policies

- 20% of grade
- Project 1: Your web page
- Project 2: Programming / Simulation
- Project 3: Emerging Communications Technology Study
- Project assignments / project details will be announced in class and posted on the class web

- Discussion with other students about the projects is encouraged, but copying another student’s work or allowing your work to be copied is never allowed.

461 On-line

- Netscape or other www browser
- http://www.cs.washington.edu/education/courses/461
- Class messages
  - start by e-mailing the TA so that we can add your e-mail address to the class distribution list
  - e-mail the instructor or TA with question or comment
  - we will e-mail back and archive in class messages, on the class web
  - some urgent class announcements may occasionally be sent to the class distribution list
- Lecture overhead thumbnails on the class web
- Projects , homeworks, other handouts, also on the class web