

**ECE 465/565 Computer Networks and Protocols
Fall 05**

Dr. Thinh Nguyen

**Homework 1
Due 10/18/05 at the beginning of the class**

1. Problem 3 from the problem section of chapter 1 from the text book (2 pts)
2. Problem 5 from the problem section of chapter 1 from the text book (2 pts)
3. Problem 7 from the problem section of chapter 1 from the text book (2 pts)
4. Problem 10 from the problem section of chapter 1 from the text book (2 pts)

Programming Assignment: (4 points)

In this problem, you are asked to write a simple java-based TCP mail client using SMTP commands. Your mail client should work as follows.

- 1) Establish a TCP connection between the mail client and the local mail server. Use the mail server: smtp.oregonstate.edu and the port number: 25.
- 2) Send a message with the subject: "TV shows I like to watch" and a list of your favorite TV shows for the body.

The sender's email address should be your own and the recipient's email address will be the TA's (voph@engr.orst.edu).

Please email your source code and executable to the TA.

Bonus question: (2 points)

Build a graphical user interface for your mail client as specified in Assignment 2 of chapter 2.