

Computer Networking

CS 325
Spring 2011

Instructor: Tom Kelliher
Hoffberger 140
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Office hours: MWThF 12:30–1:20pm. Other times by appointment.

Class: Hoffberger 149
MWF 1:30–2:20pm
<http://phoenix.goucher.edu/~kelliher/s2011/cs325/>

Learning Objectives:

At the end of this course students will be able to:

1. Describe network protocols and analyze their operation within a LAN environment.
2. Design and implement client/server applications.
3. Compare networking models (client/server, peer-to-peer, cloud).
4. Compare networking implementations (wired, wireless, mobile).
5. Describe the components of the layered TCP/IP protocol suite.

Textbook: J. F. Kurose and K. W. Ross, “Computer Networking: A Top-Down Approach,” 5th ed., Addison Wesley, 2010. Required.

Grading:

Grade Distribution

A = [92%–100%], A- = [90%–92%), B+ = [88%–90%), B = [82%–88%), B- = [80%–82%), etc. Grades are “one point rounded.”

Course Point Distribution

The following is tentative. There are 900 total points for the course.

1. Assignments. 400 points, total.
2. Semester project. 200 points.
3. Presentation. 20–25 minute PowerPoint presentation on a computer networking topic. 100 points.
4. Exams. There will be two semester exams, each worth 100 points. Tentatively, the exams will be Mar. 4 and Apr. 22. 200 points, total.

Current grades (password protected) may be viewed on the class home page.

Course Handouts:

Course handouts will be made available once in class. After that, they may be obtained from the class home page.

Group Work:

This course involves a significant amount of group work. Each of you is expected to perform your fair share of the work and document the work you do. Those who shoulder substantially more or less of the group's workload may have their grades adjusted accordingly.

Attendance:

Attendance of classes is expected. It is your responsibility to catch up on missed class work.

Electronic Communication:

From time-to-time, I will need to send e-mail messages to the class. These messages will be addressed to your official Goucher e-mail addresses. You are responsible for checking your e-mail on a timely basis.

Distractions:

Cell phones must be turned off or set to "silent" during class. If you must enter late, do so as unobtrusively as possible. Likewise if you must leave early. Please use mental telepathy if you must hold a personal conference during class. I have ways of making you not talk!

Integrity:

Academic dishonesty will not be tolerated. We are all bound by the Academic Honor Code.