

Computer Networks: Course Introduction

Mohsen Rezvani

mrezvani@shahroodut.ac.ir

Shahrood University of Technology

1400-1401,S2

Agenda

- Introduction to Course
- Administrative Details
- Syllabus
- References
- Evaluation Policy

Staff Introductions

- Instructor: Mohsen Rezvani
 - mrezvani@shahroodut.ac.ir
 - Office: Room 101
 - Office hours: Saturdays 17-19
- Teaching Assistant:
 - Amin Rahimi



Class Structure

- Lectures
 - Saturdays, 09:30-11:00
 - Sundays, 08:00-09:30 (Odds)
- Lectures will provide background for computer networks



What We Will Do?

- What We Will Do Today?
 - Discuss course content and procedures
 - Introduction to computer networks
- What will we do in this course?
 - Learn the basic background on different protocols in computer networks
 - Learn some concepts in network programming
 - Learn how to work with some network analysis tools



Course Objectives

- To provide an in-depth introduction to a wide range of topics in the field of computer networks including the Internet.
- To get a hands-on understanding of the working on network protocols.
- To gain expertise in preliminary network programming and problem solving skills.
- To build the necessary foundational knowledge required in subsequent networking courses

Expected Background

- “A one-semester college course in programming.”
- I assume you can write a program in some language, understand variables, control structures, functions/subroutines.
- If in doubt, let’s talk.

Administrative Details

- Everything is attached to the syllabus.
- Homework usually after each chapter of the course.
- I publish the PDF version of the slides.
- Printing slides? Three to a page, at least. Save a tree! Remove the PowerPoint background before printing. Save toner!

Administrative Details (cont.)

- Attendance is not required, but...
- ...you are responsible for everything said in class.
- ...you are responsible for the rules of the university.
- I encourage you to ask questions in class. Don't guess, ask a question!

My Policy on Cheating

- Cheating means “submitting, without proper attribution, any computer code that is directly traceable to the computer code written by another person.”
- I give students a failing *course* grade for *any* cheating.
- This doesn't help your job prospects.
- Any decision about cheating is not negotiable.



My Policy on Cheating

- You may discuss homework problems with classmates, after you have made a serious effort in trying the homework on your own.
- You can use ideas from the literature (with proper citation).
- You can use anything from the textbook/notes.
- The code you submit **must be written completely by you.**

Course Etiquette

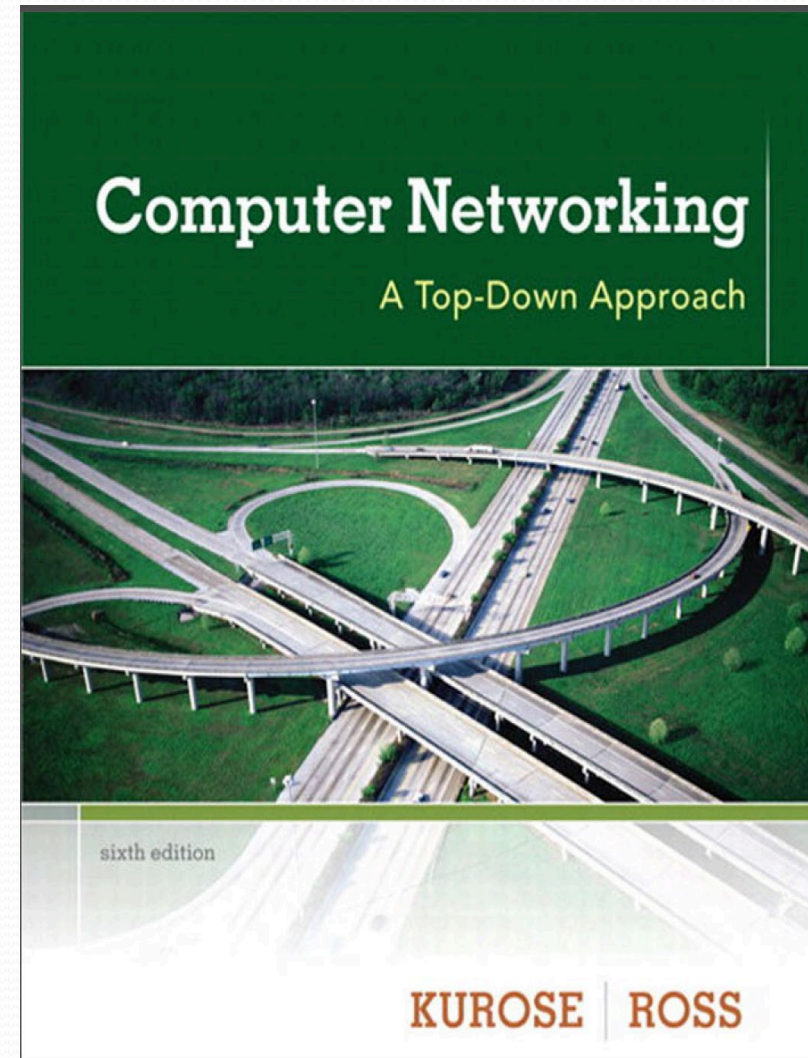
- Etiquette is “conduct in polite society”
- No cell phones
- No random comings and goings
- If you are sleepy, go home
- If you want to read email or surf the Web, please do it elsewhere

Course Outline

- Introduction to Computer Networks
- Application Layer
- Transport Layer
- Network Layer
- Data Link Layer
- Wireless and Mobile Networks
- Network Security

Text Book

- Computer Networking - A Top-Down Approach Featuring the Internet, J. Kurose and K. Ross, Addison Wesley , Sixth Edition, 2012.



Evaluation Policy

Item	How many?	Total Grade
Assignments	4-6	60% of practical part
Project	0-1	
Lab Exam	1	40% of practical part
Midterm Exams	2	60% of theoretical part
Final Exam	1	40% of theoretical part

Evaluation Policy

- **Assignments:**
 - Should be done individually
- **Project:**
 - Should be done individually
- **Lab exam: A week after the last lab session**
- **Midterm exams: After each chapter**
- **Final Exam: 25/03/1401 at 08:00 am**

Course Homepage

- Lecture notes and reference books are uploaded here
<http://lms.shahroodut.ac.ir>

Request for constant feedback!

- Your feedback is needed to make sure that the course is on track
 - Please feel free to email or talk with us about the course and let us know how you think it is going often!

The End

Thank you for your attention

