

SCHOOL OF ELECTRICAL AND COMPUTER ENGINEERING
GEORGIA INSTITUTE OF TECHNOLOGY
ECE 3076A: COMMUNICATION NETWORKS, FALL 2003

OBJECTIVE

To present the basic concepts of communication network protocols and their performance analysis.

INSTRUCTOR

Prof. Yucel Altunbasak

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Phone: 404 385 1341

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Office hours: Tuesday 2:00-3:00 (Bunger Henry Building, Room: 308)

TIME & LOCATION

TR, 03:05PM - 4:25PM

C241 Van Leer-Elec Eng

WEBSITE

<http://users.ece.gatech.edu/~yucel/3076a.html>

TEXTBOOK

1. Andrew S. Tanenbaum, Computer Networks, fourth edition, Prentice-Hall
2. W. Stallings, Data and Computer Communications, Prentice Hall, Fifth Edition, 1997.
3. Sheldon Ross, Introduction to Probability Models, 8th edition
4. B. James, F. Kurose, Keith W. Ross, Computer Networking, A Top-Down Approach

HONOR CODE

Please uphold the academic honor code (see <http://www.gatech.edu/honor/>). Violations will be reported to the office of Vice-President for Student Services

GRADING

Exam 1 :	15%
Exam 2 :	15%
Exam 3 :	15%
Exam 4 :	15%
Final:	15%
Homework:	15%
Pop Quiz:	10%

HOMEWORK

There will be (approximately) weekly homework assignments. Homework solutions will be made available online. You are encouraged to look at them since exam questions may be similar to them.

POP QUIZ

Every once in a while (once in one or two weeks), we will have pop-quizzes. They will not be announced beforehand, and they may also be given at the beginning of the lectures.

EXPECTATIONS

This course requires familiarity with probability theory and its applications. Also, this course requires computer-programming skills. Some of the homework assignments will include computer simulations.

TA

Nejat Kamaci

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Location: Van Leer E-448

Location: GCATT-355 Desk D

Web page: <http://www.ece.gatech.edu/~kamaci/ece3076.htm>

OFFICE HOURS

You are strongly encouraged to make use of office hours.

TENTATIVE OUTLINE

Introduction

Physical Layer (brief)

Data Link Layer

MAC Layer

Network layer

Transport Layer

Security