



Marmara University, 2013

Performance Evaluation of Computer Networks

Introductory Information

Mujdat Soyuturk, Ph.D.
Asst. Prof.



- Syllabus
- Book information
 - (1) Mahbub Hassan, Raj Jain. High Performance TCP/IP Networking: Concepts, Issues, and Solutions. Prentice Hall, 2004
 - (2) D.P. Bertsekas and R.G. Gallager. Data Networks, 2nd Ed., Prentice Hall, 1992.

Recommended:

- (3) Hisashi Kobayashi, Brian L. Mark. *System Modeling and Analysis: Foundations of System Performance Evaluation*. Prentice Hall, 2010
- (4) Anurag Kumar, D. Manjunath and Joy Kuri. *Communication Networking, An Analytical Approach*, Elsevier–Morgan Kaufmann, 2004.

intro-2 Mujdat Soyuturk, Modeling and Discrete Simulation, Fall 2013, Marmara University



- Course website ([instructor's website](http://mimoza.marmara.edu.tr/~mujdat.soyuturk/courses/cse718.html))
- <http://mimoza.marmara.edu.tr/~mujdat.soyuturk/courses/cse718.html>
 - Announcements, and
 - password to access instructors resources (e.g. slides)

intro-3 Mujdat Soyuturk, Modeling and Discrete Simulation, Fall 2013, Marmara University



- Assessment
 - Homework + Projects (30%)
 - Midterm (30%)
 - Major Project (Final exam) (40%)

- Homework and projects are scheduled on Fridays.
- Please check the course webpage for updates.
- Major project will be presented in the classroom. Attendance is a requirement for all students. Questions to the presenter are subject to additional points.

intro-4 Mujdat Soyuturk, Modeling and Discrete Simulation, Fall 2013, Marmara University



- Simulation Tools for the projects
 - Opnet Simulator
 - http://www.opnet.com/university_program/itguru_academic_edition/
 - OMNET++
 - www.omnetpp.org

intro-5 Mujdat Soyuturk, Modeling and Discrete Simulation, Fall 2013, Marmara University



- Attendance
 - is a requirement.
 - sign the attendance list
 - For excused absences, the student must provide an explanation to the instructor and supply supporting evidence.
- Not a “distance learning” course.

intro-6 Mujdat Soyuturk, Modeling and Discrete Simulation, Fall 2013, Marmara University



- Office hours
 - Monday 10:30 – 11:30
 - Friday 08:30 – 09:30
- E-mail addresses
 - Only submit to
 - mujdat.soyturk@marmara.edu.tr
 - Use email account of Marmara University.
 - All communication will be through email.