

MIDDLE EAST TECHNICAL UNIVERSITY
Department of Electrical and Electronics Engineering

EE444 Introduction to Computer Networks
Spring 2018

Given by:

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Schedule: Tuesday: 13:40-15:30@D-131, Thursday: 10:40-11:30@A-208

Background Requirement(s):

One of EE441, EE445 or EE447 is strongly recommended.

Prerequisite(s):

An introductory course on Probability Theory (EE230).

Topics:

Introduction to computer networking; layered architectures; Elementary queuing theory, M/M/1 queues; Network applications; Transport protocols and their performance, Internet Protocol: switching and routing, internetworking; Data link protocols and their performance; Error detection and correction; Medium access control protocols and their performance; Physical layer.

Textbooks and Reference Material:

- James F. Kurose, Keith W. Ross, **Computer** Networking, 6/e, Addison Wesley, 2014. Available in the reference section of the library.
Book web page: <http://www.pearsonhighered.com/kurose-ross/>
- A.J. Tanenbaum, **Computer** Networks, Ed.5, Prentice-Hall, 2011. Available in the reference section of the library.
Book web page: <http://www.mypearsonstore.com/bookstore/computer-networks-9780132126953>

Tentative Grading:

- Mid-term exam: 30% (One midterm!)
- Final Exam: 35%
- Quizzes: 25% No Quiz Makeup for any excuse. A number of your worst quizzes will be excluded from the sum.
- Practical Work: 10%
 - Written homework assignments, **Programming assignments, use of a simulator software, demos.**
 - There will be a separate exam in the last week of classes that evaluates your understanding of these assignments.
- **Attendance:** 5% bonus if you attend 100% of the lectures. Proportionally decreased bonus down to 80% attendance.
- **NA Grade:** You need to satisfy both of the following requirements :
 - Attend at least 2 quizzes OR attend the MIDTERM exam (make-up if you had a valid health excuse on the MIDTERM day).
 - Submit at least one homeworkYour grade will be NA otherwise.
- <http://oidb.metu.edu.tr/son-yariyilina-kayitli-olan-onlisans-ve-lisans-ogrencileri-icin-butunleme-sinavlari-yonergesi>