Instructors: Ezhan Karaşan, Off: EA-225, ezhan@ee.bilkent.edu.tr (Sec. 1)
Onur Öztürk, Off: EA-504, ozturk@ee.bilkent.edu.tr (Sec. 2)

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Supplementary Reading Books:

Course Outline:
1. Introduction to computer networks and the Internet (1 week)
2. Application layer: HTTP, FTP, SMTP, DNS (2 weeks)
3. Socket programming; client/server model; peer-to-peer networking (1 week)
4. Transport layer protocols: TCP, UDP (1 week)
5. Congestion control and congestion control in TCP (2 weeks)
6. Network layer protocols: IP (2 weeks)
7. Internet routing (2 weeks)
8. Link layer: error control, multiple access (1 week)
9. Data link layer protocols: Ethernet (1 week)
10. Local area networks (LAN) (1 week)

Grading:

- Pop quizzes: 25%
- Midterm (April 10, 2020): 25%
- Final: 30%
- Programming Projects (2): 15%
- Wireshark Assignment: 3%
- Homeworks (2): 2%

In order to be able to take the final exam, one must obtain an average of at least 40% from the quiz and midterm grades; else one will receive FZ.

Office Hours:

Thursday 10:30-12:00 (Ezhan Karaan) Thursday 10:40-11:30 (Onur Öztürk)

Policy for All Out-of-Class Assignments:

Weekly or biweekly programming and homework assignments. No late submissions will be accepted. Collaboration is allowed. Cheating and plagiarism will be severely penalized. In all cases of cheating and plagiarism, the letter grade will be F.