BLG433E – Computer Communications, Fall 2018

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Course Learning Outcomes:
1. to understand the fundamentals of data communication and communication networks
2. to have the capability of designing and analyzing data transmission
3. to have the skill to implement networking protocols using TCP/IP based socket programming

CourseTextbook	JAMES F. KUROSE, KEITH W. ROSS, COMPUTER NETWORKING: A TOP-DOWN APPROACH, 7TH EDITION, PEARSON, 2017
Other References	ANDREW S. TANENBAUM , *COMPUTER NETWORKS*, 4TH EDITION, PRENTICE HALL

Grading:

Midterm Exam	1	25
Projects	2	30
Term Paper/Project	1	10
Final Exam	1	35

To be accepted to the final exam, 30/100 (20/65) success of at the term work is required!
Pay attention to attendance!

Weeks	Topics	Course Outcomes
1 (Sep.21)	Introduction to the course.	1-3
2	Computer Networks and Internet. Performance metrics.	1-3
3	Protocol Layers. Principles of network applications. Web, Http.	3
4	Socket Programming.	3
5	Transport Layer (1st project assignment).	2-3
6	User Data Protocol (UDP).	2-3
7	Transport Control Protocol (TCP).	2-3
	Term Break (5-9 Nov. 2018)	
8	Midterm, Nov.16, 2018	2-3
9	Network Layer: Data Plane (2nd project assignment).	1-2
10	Network Layer: Control Plane.	1-2
11	Network Layer: Control Plane (Papers and groups should be finalized).	1-2
12	Data Link Layer and LANs.	1-2
13	Paper presentation.	1-3
14 (Dec. 28)	Paper presentations.	1-3