

EHB415E Data Communication
EEB 5304 Monday 08:30-11:30
Selçuk Paker

Course Description

Communication Fundamentals
Transmission
WAN, LAN, IP
Wireless Networks
Internetworking
Data Communication Network Applications

Data transmission media. Baseband data transmission. Modems for data transmission. Interfaces and protocols. xDSL access technologies. Data networks and architectures. Internet, TCP/IP. OSI reference model and protocols. Packet switching systems. Local Area Networks (LAN's). Wireless data communication applications. Broadband networks. Data communication quality: security, reliability, availability and maintainability.

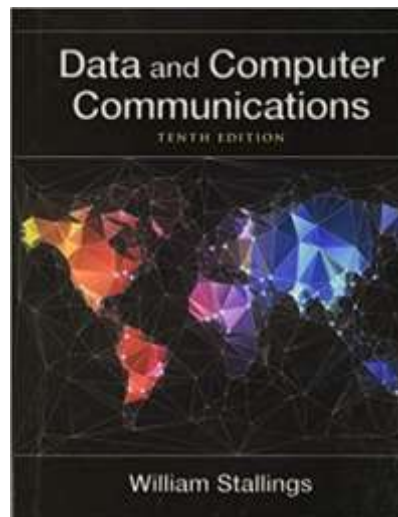
Students who complete the course will be able to:

- I. Learn fundamentals of data communication,
- II. Be familiar with current topics in data communication,
- III. Analyze data communication systems,
- IV. Develop data communication systems,
- V. Learn the design principles of new systems,

Examine infrastructures of data communication networks

Books

STALLING W., "Data and Computer Communications",



Grading

Midterm exam	%30	(02 November 2022 Wednesday 19:00 – 21:00 on WEB)
Short exams	%30	(5 or 6 times)
Final exam	%40	(Problem)
Final exam attendance rule		min 20/60