

Class Schedule: Lecture Topics and Reading Assignments

Week 1	Aug 26, Aug 28
	Course overview, basic concepts in data communication networking, layering and communication network architectures (chap 1 & 2)
Week 2	Sept 2, Sept 4
	Fundamental concepts and theoretical basis for data transmission, channel impairments, channel capacity (chap 3)
Week 3	Sept 9, Sept 11
	Review of signals and systems, transmission media, guided and unguided transmission (chap 4)
Week 4	Sept 16, Sept 18
	Guided and unguided transmission; propagation, wireless transmission (chap 4)
Week 5	Sept 23, Sept 25
	Signal encoding techniques, signal constellations, binary encoding techniques (chap 5)
Week 6	Sept 30, Oct 2
	Signal encoding techniques, quantization and PCM, transmission of analog and digital signals (chap 5)
Week 7	Oct 7, Oct 9 (Exam I)
	Digital data communications techniques (chap 6) Exam I will be for the duration of class on October 9
Week 8	Oct 14 (Columbus Day Holiday - No Class), Oct 16
	Digital data communications techniques; synchronous and asynchronous transmission, error detection and correction (chap 6)
Week 9	Oct 21, Oct 23
	Data link control protocol (chap 7)
Week 10	Oct 28, Oct 30
	Multiplexing (chap 8)
Week 11	Nov 4, Nov 6
	Circuit and packet switching (chap 10)
Week 12	Nov 11, Nov 13
	Cellular Networks (chap 14) Local Area Networks (chap 15)
Week 13	Nov 18 (Exam II), Nov 20
	Exam II will be for the duration of class on November 20 Local Area Networks (chap 15)
Week 14	Nov 25, Nov 27 (Thanksgiving Day Holiday– No Class)
	Ethernet and VLANs, Wireless LANS (chapter 16 & 17)
Week 15	Dec 2, Dec 4
	Internet Protocols and Routing (chap 18)
Exam	Final Exam on Tuesday December 16, 1:30 – 4:15 pm