

Syllabus

Date		Topic	Reading and Assignments
1.	Oct 22 Tu	Introduction: Definitions	LG&W 1.1
2.	Oct 24 Th	Performance Metrics	
3.	Oct 25 F	Network Switching Schemes, Internet	LG&W 1.2-1.3
4.	Oct 28 M	TCP/IP, UNIX Sockets	LG&W 2.3-2.5
5.	Oct 29 Tu	HTTP, DNS, OSI Reference Model	LG&W 2.1-2.2
6.	Oct 31 Th	<i>Physical Layer</i> : Digital versus Analog	LG&W 3.1-3.4, 3.6
7.	Nov 1 F	Data Encoding, T1, PCM	LG&W 3.5
		Multiplexing	LG&W 4.1
8.	Nov 4 M	Transmission Media	LG&W 3.7
9.	Nov 5 Tu	Error Detection & Correction, CRC	LG&W 3.8
			Assignment 1 Due
10.	Nov 7 Th	First EXAM (closed book)	
11.	Nov 8 F	EOA <i>Data Link Layer</i> : Framing,	<i>Tanenbaum Handout</i>
12.	Nov 11 M	EOA Bit and Byte Stuffing	LG&W 5.4
13.	Nov 12 Tu	EOA ARQ, Stop-and-Wait	LG&W 5.1-5.2.1,
14.	Nov 14 Th	EOA Sliding Window Protocols	LG&W 5.3.1
15.	Nov 15 F	EOA Go Back N and Selective Repeat	LG&W 5.2.2-5.2.3
16.	Nov 18 M	<i>MAC Layer</i> : Aloha, CSMA, CSMA-CD	LG&W 6.1-6.3
17.	Nov 19 Tu	Local Area Networks: Ethernet	LG&W 6.6
18.	Nov 21 Th	Ethernet Hubs and Switches	LG&W 6.4
19.	Nov 22 F	Bridges, Token Ring	Assignment 2 Due
			LG&W 6.7
20.	Nov 25 M	Second Exam (half hour) FDDI	
21.	Nov 26 Tu	Fast Ethernet, Gigabit Ethernet	<i>Handouts</i>
22.	Dec 2 M	SONET, ATM Switching	LG&W 4.2, 7.6
23.	Dec 3 Tu	ATM AAL Layers	LG&W 9.1-9.4
24.	Dec 5 Th	<i>Network Layer</i> : Routing, Shortest Path	LG&W 7.1-7.3, 7.5
25.	Dec 6 F	Real Routing - Link State, Distance Vector	LG&W 7.4
26.	Dec 9 M	<i>Transport Layer</i> : TCP/IP, UDP	LG&W 8.1-8.2, 8.4-8.6
27.	Dec 10 Tu	Congestion Control	Assignment 3 Due
			LG&W 7.8
28.	Dec 11 Th	FINAL EXAM (closed book)	