

Syllabus

Date		Topic	Reading and Assignments	
1.	Jan 11	Th	Introduction, Definitions, Switching Performance Terms, Multiplexing	LG&W 1.1-1.3, 5.1.1 LG&W 4.1
2.	Jan 12	F	Layering Examples: HTTP, DNS	LG&W 2.1
3.	Jan 15	M	TCP/IP Overview, UNIX Sockets	LG&W 2.3-2.4
4.	Jan 16	Tu	OSI Reference Model	LG&W 2.2
5.	Jan 18	Th	<i>Physical Layer</i> : Digital versus Analog	LG&W 3.1-3.4, 3.6
6.	Jan 19	F	Data Encoding, T1, PCM	LG&W 3.5
7.	Jan 22	M	Transmission Media	LG&W 3.7
8.	Jan 23	Tu	Error Detection & Correction, CRC	LG&W 3.8
9.	Jan 25	Th	<i>Data Link Layer</i> : Framing, Bit and Byte Stuffing	LG&W 5.4
10.	Jan 26	F	ARQ, Stop-and-Wait	Assignment 1 Due LG&W 5.1-5.2.1, <i>Tanenbaum Handout</i>
11.	Jan 29	M	Sliding Window Protocols	LG&W 5.3.1
12.	Jan 30	Tu	Go Back N and Selective Repeat	LG&W 5.2.2-5.2.3
13.	Feb 1	Th	Review	
14.	Feb 2	F	MID TERM EXAM (closed book)	
15.	Feb 5	M	<i>MAC Layer</i> : Aloha, CSMA, CSMA-CD	LG&W 6.1-6.3
16.	Feb 6	Tu	Local Area Networks: Ethernet	LG&W 6.6.1
17.	Feb 8	Th	Token Ring, Token Bus	LG&W 6.4.3, 6.6.2
18.	Feb 9	F	High Speed LANS: FDDI,	Assignment 2 Due LG&W 6.6.3 <i>Client/Server Handouts</i>
19.	Feb 12	M	Fast Ethernet, Gigabit Ethernet	<i>Ethernet Handouts</i>
20.	Feb 13	Tu	SONET, Frame Relay	LG&W 4.2
21.	Feb 16	F	ATM Switching	LG&W 7.6, 9.1- 9.3
22.	Feb 19	M	ATM AAL Layers	LG&W 9.4
23.	Feb 20	Tu	<i>Network Layer</i> : Routing, Shortest Path	LG&W 7.1-7.3, 7.5
24.	Feb 22	Th	Real Routing - Link State, Distance Vector	LG&W 7.4
25.	Feb 23	F	<i>Transport Layer</i> : TCP/IP, UDP	LG&W 8.1-8.2, 8.4-8.6
26.	Feb 26	M	Congestion Control, Internetworking	LG&W 7.8, 6.7
27.	Feb 27	Tu	Review	Assignment 3 Due
28.	Mar 1	Th	FINAL EXAM (closed book)	