

## Syllabus

Date			Topic	Reading and Assignments
1.	Jan 10	Th	Introduction: Definitions and Performance Metrics	LG&W 1.1
2.	Jan 11	F	Network Switching Schemes, Internet	LG&W 1.2-1.3
3.	Jan 14	M	TCP/IP, UNIX Sockets	LG&W 2.3-2.5
4.	Jan 15	Tu	HTTP, DNS, OSI Reference Model	LG&W 2.1-2.2
5.	Jan 17	Th	<i>Physical Layer</i> : Digital versus Analog	LG&W 3.1-3.4, 3.6
6.	Jan 18	F	Data Encoding, T1, PCM	LG&W 3.5
			Multiplexing	LG&W 4.1
7.	Jan 21	M	Transmission Media	LG&W 3.7
8.	Jan 22	Tu	Error Detection & Correction, CRC	LG&W 3.8
9.	Jan 24	Th	<i>Data Link Layer</i> : Framing, Bit and Byte Stuffing	LG&W 4.3, 5.4
10.	Jan 25	F	ARQ, Stop-and-Wait	<b>Assignment 1 Due</b> LG&W 5.1-5.2.1, <i>Tanenbaum Handout</i>
11.	Jan 28	M	Sliding Window Protocols	LG&W 5.3.1
12.	Jan 29	Tu	Go Back N and Selective Repeat	LG&W 5.2.2-5.2.3
13.	Jan 31	Th	Review	
14.	Feb 1	F	<b>MID TERM EXAM (closed book)</b>	
15.	Feb 4	M	<i>MAC Layer</i> : Aloha, CSMA, CSMA-CD	LG&W 6.1-6.3
16.	Feb 5	Tu	Local Area Networks: Ethernet	LG&W 6.6
17.	Feb 7	Th	Token Ring, FDDI	LG&W 6.4
18.	Feb 8	F	Ethernet Hubs and Switches	<b>Assignment 2 Due</b>
19.	Feb 11	M	Bridges	LG&W 6.7
20.	Feb 12	Tu	Fast Ethernet, Gigabit Ethernet	<i>Handouts</i>
21.	Feb 15	F	SONET, ATM Switching	LG&W 4.2, 7.6
22.	Feb 18	M	ATM AAL Layers	LG&W 9.1-9.4
23.	Feb 19	Tu	<i>Network Layer</i> : Routing, Shortest Path	LG&W 7.1-7.3, 7.5
24.	Feb 21	Th	Real Routing - Link State, Distance Vector	LG&W 7.4
25.	Feb 22	F	<i>Transport Layer</i> : TCP/IP, UDP	LG&W 8.1-8.2, 8.4-8.6
26.	Feb 25	M	Congestion Control	<b>Assignment 3 Due</b> LG&W 7.8
27.	Feb 26	Tu	Review	
28.	Feb 28	Th	<b>FINAL EXAM (closed book)</b>	