

Syllabus

Date	Topic	Reading and Assignments	
1. Oct 29	M	Introduction, Definitions, Switching	LG&W 1.1-1.3
2. Oct 30	Tu	HTTP, DNS, OSI Reference Model	LG&W 2.1-2.2
3. Nov 1	Th	TCP/IP, UNIX Sockets	LG&W 2.3-2.4
4. Nov 2	F	Performance Terms, Multiplexing	LG&W 2.5, 4.1
5. Nov 5	M	<i>Physical Layer</i> : Digital versus Analog	LG&W 3.1-3.4, 3.6
6. Nov 6	Tu	Data Encoding, T1, PCM	LG&W 3.5
7. Nov 8	Th	Transmission Media	LG&W 3.7
8. Nov 9	F	Error Detection & Correction, CRC	LG&W 3.8
9. Nov 12	M	SONET, <i>Data Link Layer</i> : Framing, Bit and Byte Stuffing	LG&W 4.2-4.3, 5.4
10. Nov 13	Tu	ARQ, Stop-and-Wait	Assignment 1 Due LG&W 5.1-5.2.1, <i>Tanenbaum Handout</i>
11. Nov 15	Th	Sliding Window Protocols	LG&W 5.3.1
12. Nov 16	F	Go Back N and Selective Repeat	LG&W 5.2.2-5.2.3
13. Nov 19	M	Review	
14. Nov 20	Tu	MID TERM EXAM (closed book)	
15. Nov 26	M	<i>MAC Layer</i> : Aloha, CSMA, CSMA-CD	LG&W 6.1-6.3
16. Nov 27	Tu	Local Area Networks: Ethernet	LG&W 6.6
17. Nov 29	Th	Token Ring, Token Bus	LG&W 6.4
18. Nov 30	F	High Speed LANS: FDDI, Fast Ethernet, Gigabit Ethernet	Assignment 2 Due <i>Handouts</i>
19. Dec 3	M	UNIX Client/Server Programming	<i>Client/Server Handouts</i>
20. Dec 4	Tu	<i>Network Layer</i> : Routing, Shortest Path	LG&W 7.1-7.3, 7.5
21. Dec 6	Th	Real Routing - Link State, Distance Vector	LG&W 7.4
22. Dec 7	F	Frame Relay, ATM Switching	LG&W 7.6, 9.1- 9.3
23. Dec 10	M	ATM AAL Layers	LG&W 9.4
24. Dec 11	Tu	<i>Transport Layer</i> : TCP/IP, UDP	LG&W 8.1-8.2, 8.4-8.6
25. Dec 13	Th	Congestion Control, Internetworking	LG&W 7.8, 6.7
26. Dec 14	F	Advance Topics	Assignment 3 Due
27. Dec 17	M	Review	
28. Dec 18	Tu	FINAL EXAM (closed book)	