Syllabus

	Date		Topic	Reading and Assignments
1.	Oct 26	Tu	Introduction: Network Definitions and Classifications	T1.1 –T1.2
2.	Oct 28	Th	HTTP, DNS, OSI Reference Model	T1.3 – T1.4
3.	Oct 29	F	TCP/IP, UNIX Sockets	*Handouts,* Stevens
4.	Nov 1	M	Network Performance Measures	
5.	Nov 2	Tu	Network Switching Schemes, Internet	T2.5.5; T1.5.1
6.	Nov 4	Th	*Physical Layer:* Digital versus Analog	*Handouts,* T2.1.2-T2.1.3
7.	Nov 5	F	Data Encoding, T1, PCM Multiplexing	T2.5-T2.5.3 T2.5.4
8.	Nov 8	M	Transmission Media	T2.2-T2.4.T2.7 **Assignment 1 Due**
9.	Nov 9	Tu	Error Detection & Correction, CRC	T3.2
10.	Nov 11	Th	*Data Link Layer:* Framing,	T3.1
11.	Nov 12	F	Bit and Byte Stuffing	T3.1.2
12.	Nov 15	M	ARQ, Stop-and-Wait	T3.3
13.	Nov 16	Tu	Sliding Window Protocols, Review	T3.4
14.	Nov 18	Th	**Mid Term Exam (closed book)**	
15.	Nov 19	F	Go Back N and Selective Repeat	
16.	Nov 22	M	*MAC Layer:* Aloha, CSMA, CSMA-CD	T4.1-T4.2
17.	Nov 23	Tu	Ethernet, Fast Ethernet, Gigabit Ethernet	T4.3 **Assignment 2 Due**
18.	Nov 29	M	Wireless Networks	T4.4
19.	Nov 30	Tu	Token Ring, FDDI	
20.	Dec 2	Th	Ethernet Hubs, Switches Bridges	T4.7
21.	Dec 3	F	SONET, ATM Switching	Tan pp.144-146
22.	Dec 6	M	ATM AAL Layers	*Handout;* Tan pp.61-65
23.	Dec 7	Tu	*Network Layer:* Routing, Shortest Path	T5-T5.2.3
24.	Dec 9	Th	Link State, Distance Vector	T5.2.4-T5.2.5
25.	Dec 10	F	*Transport Layer:* TCP Congestion Control	T6.5-T6.5.9
26.	Dec 13	M	Security Issues: Denial of Service, Firewalls	T8.6-T8.6.3 **Assignment 3 Due**
27.	Dec 14	Tu	Review	
28.	Dec 16	Th	**FINAL EXAM (closed book)**	