

**Syllabus**

Date		Topic	Reading and Assignments
1.	Oct 28 Tu	Introduction: Network Definitions and Classifications	T1.1 –T1.2
2.	Oct 30 Th	Internet, TCP/IP, Sockets	T1.3, T1.5.1, D&C
3.	Oct 31 F	Network Performance Measures	
4.	Nov 3 M	OSI Model, Network Switching Schemes	T1.4, T2.5.5
5.	Nov 4 Tu	<i>Physical Layer</i> : Digital/Analog	<i>Handouts</i> , T2.1.2-T2.1.3
6.	Nov 6 Th	Data Encoding, T1, Multiplexing Transmission Media	T2.5-T2.5.3, T2.2-T2.4.T2.7 T2.5.4 <b>Assignment 1 Due at midnight</b>
7.	Nov 7 F	Error Detection & Correction, CRC	T3.2
8.	Nov 10 M	<i>Data Link Layer</i> : Framing,	T3.1 <b>Team Partner List Due at 6 p.m.</b>
9.	Nov 11 Tu	Bit and Byte Stuffing	T3.1.2
10.	Nov 13 Th	ARQ, Stop-and-Wait Sliding Window Protocols	T3.3b
11.	Nov 14 F	Go Back N and Selective Repeat	T3.4
12.	Nov 17 M	<i>MAC Layer</i> : Aloha, CSMA,	
13.	Nov 18 Tu	Review	
14.	Nov 20 Th	<b>Mid Term Exam (closed book)</b>	
15.	Nov 21 F	CSMA-CD, Ethernet	T4.1-T4.2 <b>Assignment 2 Due at midnight</b>
16.	Nov 24 M	Wireless Networks	T4.3-T4.4
17.	Nov 25 Tu	802.11a/b/g	<b>Design Report Due at 4 p.m.</b>
18.	Dec 1 M	Wireless Papers	
19.	Dec 2 Tu	FDDI, Fast Ethernet	
20.	Dec 4 Th	Gigabit Ethernet Ethernet Hubs Switches Bridges	T4.7
21.	Dec 5 F	SONET, ATM Switching	Tan pp.144-146
22.	Dec 8 M	ATM AAL Layers	<i>Handout</i> ; Tan pp.61-65 <b>Assignment 3 Due at 10 a.m.</b>
23.	Dec 9 Tu	<i>Network Layer</i> : Routing, Shortest Path	T5-T5.2.3
24.	Dec 11 Th	Link State, Distance Vector	T5.2.4-T5.2.5
25.	Dec 12 F	<i>Transport Layer</i> : TCP Congestion Control	T6.5-T6.5.9
26.	Dec 15 M	Security Issues: Denial of Service, Firewalls	T8.6-T8.6.3
27.	Dec 16 Tu	Review	
28.	Dec 18 Th	<b>Final Exam (closed book)</b>	
	Dec 19 F		<b>Assignment 4 Due at Demo</b>