

## Syllabus

Date		Topic	Reading and Assignments
1.	Oct 28 Tu	Introduction: Network Definitions and Classifications	T1.1 –T1.2
2.	Oct 30 Th	Network Performance Measures	
3.	Oct 31 F	Network Switching Schemes, Internet	T2.5.5; T1.5.1
4.	Nov 3 M	TCP/IP, UNIX Sockets	<i>Handouts</i> , Stevens
5.	Nov 4 Tu	HTTP, DNS, OSI Reference Model	T1.3 – T1.4
6.	Nov 6 Th	<i>Physical Layer</i> : Digital versus Analog	<i>Handouts</i> , T2.1.2-T2.1.3
7.	Nov 7 F	Data Encoding, T1, PCM Multiplexing	T2.5-T2.5.3 T2.5.4
8.	Nov 10 M	Transmission Media	T2.2-T2.4.T2.7
9.	Nov 11 Tu	Error Detection & Correction, CRC	T3.2
10.	Nov 13 Th	<i>Data Link Layer</i> : Framing,	T3.1 <b>Assignment 1 Due</b>
11.	Nov 14 F	Bit and Byte Stuffing	T3.1.2
12.	Nov 17 M	ARQ, Stop-and-Wait	T3.3
13.	Nov 18 Tu	Sliding Window Protocols, Review	T3.4
14.	Nov 20 Th	<b>Mid Term Exam (closed book)</b>	
15.	Nov 21 F	Go Back N and Selective Repeat	
16.	Nov 24 M	<i>MAC Layer</i> : Aloha, CSMA, CSMA-CD	T4.1-T4.2
17.	Nov 25 Tu	Ethernet, Fast Ethernet, Gigabit Ethernet	T4.3
18.	Dec 1 M	Wireless Networks	T4.4
19.	Dec 2 Tu	Token Ring, FDDI	
20.	Dec 4 Th	Ethernet Hubs, Switches Bridges	T4.7 <b>Assignment 2 Due</b>
21.	Dec 5 F	SONET, ATM Switching	<i>Handout</i> ; Tan pp.144-146
22.	Dec 8 M	ATM AAL Layers	<i>Handout</i> ; Tan pp.61-65
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	<b>Assignment 3 Due</b>
28.	Dec 18 Th	<b>FINAL EXAM (closed book)</b>	