Preliminary
Syllabus
February 6, 2006

Week	Date	Topic / Paper	Reading
1	January 17	**Introduction , Network Switching**	PD1
2	January 24	**Internet and OSI Model, Network Performance Measures**	**Stevens Handout, PD 2.1, PD2.2, PD1.2.2**
3	January 31	**Sockets, *Physical Layer:* Data Encoding, Multiplexing**	**Stallings Handout, PD2.4, PD2.3.3**
4	February 7	**Transmission Media, Error Detection and Correction, CRC*, Data Link Layer:* Framing, Bit and Byte Stuffing**	**PD2.3.1, PD2.3.2, PD2.5.1**
5	February 14	**No Class**	
6	February 21	**Stop and Wait, Sliding Window Protocols, Go Back N, Selective Repeat**	**PD2.5.2, Tanenbaum Handout**
7	February 28	***MAC Sub Layer:* Aloha, CSMA, CSMA-CD, Ethernet,**	**PD2.6**
8	March 7	**Fast and Gigabit Ethernet, Token Networks (FDDI)**	**Johnson Handout, PD2.7**
9	March 14	**Mid Term Exam (half class);*Wireless Networks:* 802.11**	**PD2.8**
10	March 21	**Switches, Bridges, ATM, *Network Layer:***	**PD3**
11	March 28	**Link State and Distance Vector Routing, BGP, Multicast, MPLS, IPv6**	**PD4**
12	April 4	***Transport Layer:* TCP Congestion Control, RED, RSVP**	**PD5.1, PD5.2, PD6**
13	April 11	**Security Issues, Denial of Service**	**Papers, PD8.4**
14	April 18	**Firewalls, Review**	
15	April 25	**Final Exam**	