Syllabus {April 23, 2012}

Date			Topic	Reading and Assignments
1.	Mar 12	M	Course Objectives and Procedures	
2.	Mar 13	T	Network Architecture, Protocols, Stacks	K&R 1.5
	Mar 14	W		**Program 0 due at 11:59 p.m.**
3.	Mar 15	Th	Network Performance Measures	K&R 1.4
4.	Mar 16	F	Review: Data Link Layer	Tanen 3.3
5.	Mar 19	M	Review: Data Link Layer	Tanen 3.4
6.	Mar 20	T	Framing, Byte Stuffing,	K&R 5.1-5.2, 5.7.1,Tanen 3.1-3.2
7.	Mar 22	Th	Cyclic Redundancy Checking (CRC)	
8.	Mar 23	F	*Physical Layer:*	
9.	Mar 26	M	Digital versus Analog	
10.	Mar 27	T	Data Encoding, T1, PCM	**Design Proposal Due at 10 a.m.**
11.	Mar 29	Th	Transmission Media	
12.	Mar 30	F	Review; LANs,	
13.	Apr 2	M	**Mid Term Exam (closed book)**	
14.	Apr 3	T	LANs	
15.	Apr 5	Th	Ethernet	
16.	Apr 6	F	Bridges, Hubs and Switches	**Program 1 Demos**
17.	Apr 9	M	Wireless Networks	K&R 6.1-6.3
18.	Apr 10	T	Wireless Networks	
19.	Apr 12	Th	Wireless Sensor Networks	
20.	Apr 13	F	Wireless Sensor Networks	
21.	Apr 17	T	TinyOS, nesc	**WLAN Measurement Report Due at 8 a.m.**
22.	Apr 20	F	TinyOS applications	
23.	Apr 23	M	Cellular Networks, FDDI	K&R 6.4-6.5
24.	Apr 24	T	Fast Ethernet, Gigabit Ethernet	**Program 2 Due at 9 a.m.**
25.	Apr 26	Th	SONET, ATM Switching	
26.	Apr 27	F	Network Security, Firewalls, Review	
27.	Apr 30	M	WSN demo	**Program 3 Due at 10 a.m.**
28.	May 1	T	**FINAL EXAM (closed book)**	