

## Syllabus {February 11, 2013}

Date	Topic	Reading and Assignments
1. Jan 10	Th	Course Objectives, Review Sockets
2. Jan 11	F	Network Architecture
3. Jan 14	M	Protocols, Stacks
		<b>Program 0 due at 11:59 p.m.</b>
4. Jan 15	T	Network Performance Measures
5. Jan 17	Th	Review: Data Link Layer
6. Jan 18	F	Review: Data Link Layer
7. Jan 22	T	Framing, Byte Stuffing
8. Jan 24	Th	Cyclic Redundancy Checking (CRC)
9. Jan 25	F	<i>Physical Layer</i> : Digital versus Analog
10. Jan 28	M	Data Encoding, T1,
11. Jan 29	T	PCM
		<b>Design Proposal Due at 10 a.m</b>
12. Jan 31	Th	Review;
13. Feb 1	F	<b>Mid Term Exam (closed book)</b>
14. Feb 4	M	Transmission Media
15. Feb 5	T	LANs
16. Feb 7	Th	Ethernet
17. Feb 8	F	<b>No Class –Snow!</b>
Feb 10	S	
		<b>Program 1 Due at 11:59 p.m.</b>
18. Feb 11	M	Bridges, Hubs and Switches
		Wireless Networks
		K&R 6.1-6.3
19. Feb 12	T	Wireless Networks
20. Feb 15	F	Wireless Sensor Networks
21. Feb 18	M	Wireless Sensor Networks
22. Feb 19	T	TinyOS, nesc
		<b>WLAN Report Due at 4 p.m.</b>
23. Feb 21	Th	TinyOS applications
24. Feb 22	F	Cellular Networks, FDDI
		K&R 6.4-6.5
25. Feb 25	M	Fast Ethernet, Gigabit Ethernet
		<b>Program 2 Due at 10 a.m.</b>
26. Feb 26	T	SONET, ATM Switching
27. Feb 28	Th	WSN demo
		<b>Program 3 Due at 10 a.m.</b>
28. Mar 1	F	<b>FINAL EXAM (half hour oral exam)</b>