

Tentative Course Outline (\* lab may be completed at home)

Week	Chapter	Topics	Projects and Labs
1	1	Introduction to Networking	Project 1-2 or 1-3*
2	2	Networking Standards Introduction to the OSI Model	Project 2-1*
3	3 Up to page 110	Transmission Basics Networking Media	
4		TEST 1	
5 - 7	4	TCP/IP OSI Model in depth Support Protocols ARP, ICMP, DHCP, NAT	Lab 1 Network Properties of XP Lab 2 MAC Address Lab 3 Loopback Test, Ping, & Tracert Lab 4 Packet Capture Lab Lab 5 TCP & UDP Lab Lab 6 Setting up a Basic Client/Server Network
8	5	Topologies Backbones Switching Ethernet Standards	
9 & 10	6	Networking Hardware Repeaters, hubs, bridges, Switches, routers Routing Protocols	Lab Router (in class demo)
11		TEST 2	
12	7	WAN X.25, Frame Relay, ISDN, T-Carriers, DSL, Broadband Cable, ATM, Sonet Remote Connectivity	
13	8	Wireless Networking	Lab: Wireless Lab (optional)
14	10	Subnetting CIDR	
15	11	VOIP	Project 11-1, 11-2, & 11-3* Not required, must have Vista
		FINAL EXAM	