



NEW YORK CITY COLLEGE OF TECHNOLOGY

THE CITY UNIVERSITY OF NEW YORK

Department of Computer Engineering Technology

300 Jay Street, Brooklyn, NY 11201-1909

EMT2455: Data Communications (Sections D442 and E355) - Fall 2013

Schedule

Week	Date		Module	Sections	In-class Lab Topic
	D442	E355			
1	8/29	8/30	0.0 Introduction 1.0 Networking Basics	0.1 Course Introduction 0.2 Using the Simulator 1.1 Networking Overview 1.2 Network Topologies	Windows Network Configuration
2	9/12	9/20	1.0 Networking Basics	1.3 Protocols 1.4 Network Connections 1.5 The OSI Model	Windows Networking Commands
3	9/19	9/27	2.0 Cables and Connectors	2.1 Twisted Pair 2.2 Coaxial 2.3 Fiber Optic 2.4 Wiring Implementation	
4	9/26	10/4	3.0 Networking Devices	3.1 Network Adapters 3.2 Network Devices 3.3 Internetwork Devices	Cables and Networking Devices Connection
5	10/3	10/11	4.0 Ethernet	4.1 Ethernet 4.2 Ethernet Specifications 4.3 Connecting Network Devices	
6	10/10	10/18	5.0 Network Implementation	5.1 IP Addressing 5.2 Address Assignment 5.3 Name Resolution	Subnetting
7	10/17	10/25	5.0 Network Implementation	5.4 Routing 5.5 NAT and ICS 5.6 IP version 6	Midterm Exam
8	10/24	11/1	5.0 Network Implementation	5.7 Multicast 5.8 Voice over IP (VoIP) 5.9 Virtualization	Wireshark I
9	10/31	11/8	6.0 Wireless Networking	6.1 Wireless Concepts 6.2 Wireless Standards 6.3 Wireless Security 6.4 Wireless Configuration	
10	11/7	11/15	7.0 Wide Area Networks (WANs)	7.1 WAN Concepts 7.2 Internet Connectivity 7.3 Remote Access	Wireless Networking
11	11/14	11/22	8.0 Network Security	8.1 Network Threats	

				8.2 Firewalls 8.3 VPNs 8.4 Switch Security 8.5 Authentication 8.6 Secure Protocols 8.7 Detection and Prevention	
12	11/21	11/27	9.0 Network Management	9.1 Documentation 9.2 SNMP 9.3 Remote Management 9.4 Monitoring 9.5 Optimization	Network Security
13	12/5	12/6	10.0 Troubleshooting	10.1 Troubleshooting Overview 10.2 Troubleshooting Network Communication 10.3 Troubleshooting Physical Connectivity 10.4 Troubleshooting IP Configuration	
14	12/12	12/13	10.0 Troubleshooting	10.5 Troubleshooting Name Resolution 10.6 Troubleshooting Switching 10.7 Troubleshooting Routing 10.8 Troubleshooting Wireless	Wireshark II
15	12/19	12/20	Final Exam		