NEW YORK CITY COLLEGE OF TECHNOLOGY

THE CITY UNIVERSITY OF NEW YORK

Department of Computer Engineering Technology

300 Jay Street, Brooklyn, NY 11201-1909

CET4773: Microcomputer Interfacing Fall 2013

Schedule

Week	Topic	Lab Topics
1 **Wed, 8/28** **Fri, 8/30**	**Module 0 – Introduction** **Module 1 – Networking Concepts**	▪ LabSim (Account Setting) ▪ Mindshare I (Devices and Cables) ▪ Network Simulator I (Skill Builders: Part 1)
2 **Wed, 9/4*** **Fri, 9/6***	**Module 1 – Networking Concepts**	
3 **Wed, 9/11** **Fri, 9/13***	**Module 2 – Cisco Devices**	▪ Mindshare 2 (The OSI Model) ▪ Network Simulator 2 (Skill Builders: Part 2)
4 **Wed, 9/18** **Fri, 9/20**	**Module 3 – LAN Implementation**	▪ Mindshare 3 (Binary Numbers) ▪ Network Simulator 3 (Skill Builders: Part 3)
5 **Wed, 9/25** **Fri, 9/27**	**Module 4 – Wireless Networks**	▪ Mindshare 4 (MAC Addressing) ▪ Network Simulator 4 (Configuration Scenarios: Part 1)
6 **Wed, 10/2** **Fri, 10/4**	**Module 5 – Subnetting**	▪ Mindshare 5 (Switch Basics) ▪ Network Simulator 4 (Configuration Scenarios: Part 2)
7 **Wed, 10/9** **Fri, 10/11**	**Module 6 – WAN Implementation**	▪ Mindshare 6 (Switch Behavior ▪ Network Simulator 6 (Subnetting Exercises: Part 1a)
8 **Wed, 10/16** **Fri, 10/18**	**Module 7 – Advanced Switching**	▪ Mindshare 7 (IP Addresses) ▪ Network Simulator 7 (Subnetting Exercises: Part 1b)
9 **Wed, 10/23** **Fri, 10/25**	**Module 8 – Access Lists**	▪ Mindshare 8 (Routing Protocols) ▪ Network Simulator 8 (Configuration Scenarios: Part 2 - Configuring

		· VLANs) · **Mid Term Exam**
10 **Wed, 10/30** **Fri, 11/1**	**Module 9 – IP Routing**	· Mindshare 9 (Routing ARP · Network Simulator 9 (Configuration Scenarios: Part 3a)
11 **Wed, 11/6** **Fri, 11/8**	**Module 10 – Troubleshooting Routing**	· Mindshare 10 (Routing NAT/PAT) · Network Simulator 10 (Configuration Scenarios: Part 3b)
12 **Wed, 11/13** **Fri, 11/15**	**Module 11 – Frame Relay**	· Mindshare 11 (Protocols) · Network Simulator 11 (Configuration Scenarios: Part 3c)
13 **Wed, 11/20** **Fri, 11/22**	**Module 12 – Advanced TCP/IP Configuration**	· Mindshare 12 (Subnetting) · Network Simulator 12 (Configuration Scenarios: Router Configuration)
14 **Wed, 11/27** **Fri, 11/29***	**Module 13 – Network Security** **Happy Thanksgiving!**	· Mindshare 13 (Cisco IOS) · Network Simulator 13 (Configuration Scenarios: Router Configuration 2)
15 **Wed, 12/4** **Fri, 12/6**	**Review and Practice for Exam**	· 100. Networking Concepts · 200. Switching · 300. IP Addressing · 400. Routing
16 **Wed, 12/11** **Fri, 12/13**	**Review and Practice for Exam**	· 500. Wireless · 600. Security · 700. ACLs and NAT · 800. WANs
17 **Wed, 12/18**	**FINAL EXAM [Certification Practice Exam (60 questions)]**	

*No classes or meeting