HYT 310 – Network+

Fall 2014 Schedule

Module	Module Name	Course Objective(s) Covered	# Hours
Day 1			
1.1	Compare the layers of the OSI and TCP/IP models.	**Networking Concepts**	1.5 hours
1.2	Classify how applications, devices, and protocols relate to the OSI model layers.	**Networking Concepts**	1.5 hours
1.3	Explain the purpose and properties of IP addressing.	**Networking Concepts**	1.5 hours
1.4	Explain the purpose and properties of routing and switching.	**Networking Concepts**	2 hours
Day 2			
1.5	Identify common TCP and UDP default ports.	**Networking Concepts**	1.5 hours
1.6	Explain the function of common networking protocols.	**Networking Concepts**	2 hours
1.7	Summarize DNS concepts and its components.	**Networking Concepts**	2 hours
1.8	Given a scenario, implement the following network troubleshooting methodology:	**Networking Concepts**	1 hours
Day 3			
1.9	Identify virtual network components.	**Networking Concepts**	1 hours
2.1	Given a scenario, install and configure routers and switches.	**Network Installation and Configuration**	2 hours
2.2	Given a scenario, install and configure a wireless network.	**Network Installation and Configuration**	1.5 hours

2.3	Explain the purpose and properties of DHCP.	**Network Installation and Configuration**	2 hours
Day 4			
2.4	Given a scenario, troubleshoot common wireless problems.	**Network Installation and Configuration**	1.5 hours
2.5	Given a scenario, troubleshoot common router and switch problems.	**Network Installation and Configuration**	1.5 hours
2.6	Given a set of requirements, plan and implement a basic SOHO network.	**Network Installation and Configuration**	2 hours
3.1	Categorize standard media types and associated properties.	**Network Media and Topologies**	2 hours
Day 5			
3.2	Categorize standard connector types based on network media.	**Network Media and Topologies**	1.5 hours
3.3	Compare and contrast different wireless standards.	**Network Media and Topologies**	1.5 hours
3.4	Categorize WAN technology types and properties.	**Network Media and Topologies**	1 hours
3.5	Describe different network topologies.	**Network Media and Topologies**	2 hours

Day 6			
3.6	Compare and contrast different LAN technologies.	**Network Media and Topologies**	2 hours
3.7	Explain the purpose and features of various network appliances.	**Network Media and Topologies**	1 hours
3.8	Given a scenario, use appropriate hardware tools to troubleshoot connectivity issues.	**Network Media and Topologies**	1.5 hours

3.2	Given a scenario, use appropriate software tools to troubleshoot connectivity issues.	**Network Media and Topologies**	1 hours
3.3	Given a scenario, implement appropriate wireless security measures.	**Network Security**	1.5 hours
Day 7			
4.1	Explain the methods of network access security.	**Network Security**	2 hours
4.2	Explain methods of user authentication.	**Network Security**	1 hours
4.3	Explain common threats, vulnerabilities, and mitigation techniques.	**Network Security**	1.5 hours
5.1	Given a scenario, install and configure a basic firewall.	**Network Security**	1.5 hours
Day 8			
5.2	Categorize different types of network security appliances and methods.	**Network Security**	2 hours