

Subject: CCNA Exploration Network Fundamentals

Instructor: Larry Haug

Week of	Monday	Tuesday	Wednesday	Thursday	Friday
August 27-31	<p>Begin 1st Six Week Grading Period Begin 1st Nine Week Grading Period No Students at Guthrie Center</p>	<p>1st Day Students at Guthrie Center Introduction to CCNA Exploration Course Chapter 1 - Living in a Net-Centric World</p>	<p>Chapter 1 - Living in a Net-Centric World Activity 1.1.1 - Using Google Earth to View the World</p>	<p>Chapter 1 - Living in a Net-Centric World Activity 1.4.5 - Identifying Top Security Vulnerabilities</p>	<p>Chapter 1 - Living in a Net-Centric World Lab 1.6.1 - Using Collaboration Tools - IRC and IM</p>
September 3-7	<p>HOLIDAY Labor Day</p>	<p>Chapter 1 - Living in a Net-Centric World Lab 1.6.2 - Using Collaboration Tools - Wikis and Web Logs</p>	<p>Chapter 1 - Living in a Net-Centric World Activity 1.7.1 - Skills Integration Challenge - Introduction to Packet Tracer</p>	<p>Chapter 2 - Communicating over the Network</p>	<p>Chapter 2 - Communicating over the Network Activity 2.2.5 - Using NeoTrace to View Internetworks</p>
September 10-14	<p>Chapter 2 - Communicating over the Network Lab 2.6.1 - Topology Orientation and Building a Small Network</p>	<p>Chapter 2 - Communicating over the Network Lab 2.6.2 - Using Wireshark to View Protocol Data Units</p>	<p>Chapter 2 - Communicating over the Network Activity 2.7.1 - Skills Integration Challenge - Examining Packets</p>	<p>Chapter 2 - Communicating over the Network Chapter 2 Exam</p>	<p>Chapter 3 - Application Layer Functionality and Protocols</p>
September 17-21	<p>Chapter 3 - Application Layer Functionality and Protocols Activity 3.4.1 - Data Stream Capture</p>	<p>Chapter 3 - Application Layer Functionality and Protocols Lab 3.4.2 - Managing a Web Server</p>	<p>Chapter 3 - Application Layer Functionality and Protocols Lab 3.4.3 - E-Mail Services and Protocols</p>	<p>Chapter 3 - Application Layer Functionality and Protocols Activity 3.5.1 - Skills Integration Challenge - Configuring Hosts and Services</p>	<p>Chapter 3 - Application Layer Functionality and Protocols Chapter 3 Exam</p>
September 24-28	<p>Chapter 4 - OSI Transport Layer</p>	<p>Chapter 4 - OSI Transport Layer Activity 4.5.1 - Observing TCP and UDP Using Netstat Lab 4.5.2 - TCP/IP Transport Layer Protocols, TCP and UDP</p>	<p>Chapter 4 - OSI Transport Layer Lab 4.5.3 - Application and Transport Layer Protocols Examination</p>	<p>Chapter 4 - OSI Transport Layer Activity 4.6.1 - Skills Integration Challenge - Analyzing the Application and Transport Layers</p>	<p>Chapter 4 - OSI Transport Layer Chapter 4 Exam</p>
October 1-5	<p>Chapter 5 - OSI Network Layer</p>	<p>Chapter 5 - OSI Network Layer Lab 5.5.1 - Examining a Device's Gateway</p>	<p>Chapter 5 - OSI Network Layer Lab 5.5.2 - Examining a Route</p>	<p>Chapter 5 - OSI Network Layer Activity 5.6.1 - Skills Integration Challenge - Routing IP Packets</p>	<p>Chapter 5 - OSI Network Layer Chapter 5 Exam End 1st Six Week Grading Period</p>

Instructional Lesson Plans

2nd Six Weeks 2007-2008

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Week of	Monday	Tuesday	Wednesday	Thursday	Friday
October 8-12	<p>Begin 2nd Six Week Grading Period</p> <p>Chapter 6 - Addressing the Network - IPv4</p> <p>Activity 6.12a - Decimal to Binary Conversion</p> <p>Activity 6.12b - Binary to Decimal Conversion</p>	<p>Chapter 6 - Addressing the Network - IPv4</p> <p>Activity 6.12c - Hexadecimal Conversions</p>	<p>Chapter 6 - Addressing the Network - IPv4</p> <p>Activity 6.2.7a - IPv4 Addressing Basics</p>	<p>Chapter 6 - Addressing the Network - IPv4</p> <p>Lab 6.7.1 - Ping and Traceroute</p>	<p>Chapter 6 - Addressing the Network - IPv4</p> <p>Lab 6.7.2 - Examining ICMP Packets</p>
October 15-19	<p>Chapter 6 - Addressing the Network - IPv4</p> <p>Activity 6.5.1a - Basic Subnetting</p> <p>Activity 6.5.1b - Subnetting a Class A Network</p> <p>Activity 6.5.1b - Subnetting a Class B Network</p> <p>Activity 6.5.1b - Subnetting a Class C Network</p>	<p>Chapter 6 - Addressing the Network - IPv4</p> <p>Activity 6.5.1e - Subnetting Exercises</p> <p>Activity 6.7.3 - IPv4 Address Subnetting Part 1</p> <p>Activity 6.7.4 - IPv4 Address Subnetting Part 2</p>	<p>Chapter 6 - Addressing the Network - IPv4</p> <p>Lab 6.7.5 - Subnet and Router Configuration</p>	<p>Chapter 6 - Addressing the Network - IPv4</p> <p>Activity 6.8.1 - Skills Integration Challenge - Planning Subnets and Configuring IP Addresses</p>	<p>Chapter 6 - Addressing the Network - IPv4</p> <p>Chapter 6 Exam</p>
October 22-26	<p>Chapter 7 - Data Link Layer</p>	<p>End 1st Nine Week Grading Period</p> <p>Chapter 7 - Data Link Layer</p>	<p>Begin 2nd Nine Week Grading Period</p> <p>Chapter 7 - Data Link Layer</p> <p>Lab 7.5.2 - Frame Examination</p>	<p>Chapter 7 - Data Link Layer</p> <p>Activity 7.6.1 - Skills Integration Challenge - Data Link Layer Issues</p>	<p>Chapter 7 - Data Link Layer</p> <p>Chapter 7 Exam</p>
October 29 - November 2	<p>Chapter 8 - OSI Physical Layer</p> <p>Activity 8.2.2 - Waveform Decoding</p>	<p>Chapter 8 - OSI Physical Layer</p>	<p>Chapter 8 - OSI Physical Layer</p> <p>Lab 8.4.1 - Media Connectors Lab Activity</p>	<p>Chapter 8 - OSI Physical Layer</p>	<p>Chapter 8 - OSI Physical Layer</p> <p>Activity 8.5.1 - Skills Integration Challenge - Connecting Devices and Exploring the Physical View</p>
November 5-9	<p>Chapter 8 - OSI Physical Layer</p> <p>Chapter 8 Exam</p>	<p>Chapter 9 - Ethernet</p>	<p>Chapter 9 - Ethernet</p>	<p>Chapter 9 - Ethernet</p>	<p>End 2nd Six Week Grading Period</p> <p>Chapter 9 - Ethernet</p> <p>Lab 9.8.1 - Address Resolution Protocol</p>

Instructional Lesson Plans

3rd Six Weeks 2007-2008

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Week of	Monday	Tuesday	Wednesday	Thursday	Friday
November 12-16	<p>Begin 3rd Six Week Grading Period</p> <p>Chapter 9 - Ethernet Lab 9.8.2 - Cisco Switch MAC Table Examination</p>	<p>Chapter 9 - Ethernet Lab 9.8.3 - Intermediary Device as an End Device</p>	<p>Chapter 9 - Ethernet Activity 9.9.1 - Skills Integration Challenge - Switched Ethernet</p>	<p>Chapter 9 - Ethernet Chapter 9 Exam</p>	<p>Chapter 10 - Planning and Cabling Networks Lab 10.2.2a - Building Straight-Through and Crossover UTP Cables Lab 10.2.2b - Terminating UTP Cables</p>
November 19-23	<p>Chapter 10 - Planning and Cabling Networks Lab 10.2.2c - Fluke LinkRunner - LAN Tests Lab 10.2.2d - Fluke LinkRunner - Cable and NIC Tests</p>	<p>Chapter 10 - Planning and Cabling Networks Lab 10.3.2 - How Many Networks? Lab 10.6.1 - Creating a Small Lab Topology</p>	<p>Thanksgiving Break</p>	<p>Thanksgiving Break</p>	<p>Thanksgiving Break</p>
November 26-30	<p>Chapter 10 - Planning and Cabling Networks Lab 10.6.2 - Establishing a Console Session with HyperTerminal</p>	<p>Chapter 10 - Planning and Cabling Networks Activity 10.7.1 - Skills Integration Challenge - Network Planning and Interface Configuration</p>	<p>Chapter 10 - Planning and Cabling Networks Chapter 10 Exam</p>	<p>Chapter 11 - Configuring and Testing Your Network</p>	<p>Chapter 11 - Configuring and Testing Your Network Lab 11.4.3.3 - Network Latency with Ping</p>
December 3-7	<p>Chapter 11 - Configuring and Testing Your Network Lab 11.5.1 - Basic Cisco Device Configuration</p>	<p>Chapter 11 - Configuring and Testing Your Network Lab 11.5.2 - Managing Device Configuration</p>	<p>Chapter 11 - Configuring and Testing Your Network Lab 11.5.3 - Configure Host Computers for IP Networking</p>	<p>Chapter 11 - Configuring and Testing Your Network Lab 11.5.4 - Network Testing</p>	<p>Chapter 11 - Configuring and Testing Your Network Lab 11.5.5 - Network Documentation with Utility Commands</p>
December 10-14	<p>Chapter 11 - Configuring and Testing Your Network Lab 11.5.6 - Final Case Study - Datagram Analysis with Wireshark</p>	<p>Chapter 11 - Configuring and Testing Your Network Activity 11.6.1 - Skills Integration Challenge - Configuring and Testing the Lab Network</p>	<p>Chapter 11 - Configuring and Testing Your Network Chapter 11 Exam</p>	<p>CCNA Exploration Network Fundamentals Review and Skills Exam</p>	<p>CCNA Exploration Network Fundamentals Review and Skills Exam</p>
December 17-21	<p>CCNA Exploration Network Fundamentals Review and Skills Exam</p>	<p>Last Day for Students at Guthrie Center CCNA Exploration Network Fundamentals Final Exam</p>	<p>No Students at Guthrie Center</p>	<p>No Students at Guthrie Center</p>	<p>No Students at Guthrie Center End 3rd Six Week Grading Period End 2nd Nine Week Grading Period End Semester</p>