

Network Administrator Class			
Session	Day	Course	Topics to be covered
A+ PC Core 220-221			
Week 1	Session 1	220-221 Core	<ul style="list-style-type: none"> • Introduction to A+ Test • Overview of PC • Electricity • Power Supply • Motherboard
Week 1	Session 2	220-221 Core	<ul style="list-style-type: none"> • Ports and Communications • Numbering Systems • Processor • Physical Memory
Week 2	Session 3	220-221 Core	<ul style="list-style-type: none"> • BIOS • POST • CMOS
Week 2	Session 4	220-221 Core	<ul style="list-style-type: none"> • Bus • System Resources • Command Prompt –1
Week 3	Session 5	220-221 Core	<ul style="list-style-type: none"> • Hard Drive Overview • IDE Interface • SCSI Interface • Floppy Drive • CD Drive
Week 3	Session 6	220-221 Core	<ul style="list-style-type: none"> • Input Devices • Command Prompt –2 • Video • Sound • Modem
Week 4	Session 7	220-221 Core	<ul style="list-style-type: none"> • Portable Computers • Printers
A+ PC OS 220-222			
Week 4	Session 8	220-222 OS	<ul style="list-style-type: none"> • Preventative Maintenance • Windows 9x – 1
Week 5	Session 9	220-222 OS	<ul style="list-style-type: none"> • Windows 9x – 2
Week 5	Session 10	220-222 OS	<ul style="list-style-type: none"> • Windows 2000 – 1
Week 6	Session 11	220-222 OS	<ul style="list-style-type: none"> • Windows 2000 – 2 • Networking – Hardware
Week 6	Session 12	220-222 OS	<ul style="list-style-type: none"> • Networking – Hardware • Networking -- Software

Network+ N10-002			
Week 7	Session13	N10-002 Network +	<ul style="list-style-type: none"> • Knowledge of Networking Technology ◀ what is Network? ◀ Network Structure ◀ Which Topology is right for your Network? ◀ Operating Systems ◀ Network vs. Client Systems ◀ Novel Netware ◀ History of Netware ◀ NT Server NT Directory Services ◀ Connecting on an NT Network ◀ Unix • Network Protocols ◀ Overview ◀ TCP/IP ◀ IPX/SPX ◀ NetBOUI
Week 7	Session 14	N10-002 Network +	<ul style="list-style-type: none"> • Network Theory ◀ Basic Networking & OSI Model ◀ Layers • Cable Media ◀ Overview ◀ Coaxial Cable ◀ Thicknet ◀ Thinnet ◀ Fiber Optic ◀ Twisted Pair ◀ Network Elements ◀ Cable Signaling ◀ Full Duplex VS Half ◀ NIC's • LAN & WAN ◀ Server ◀ Client/Server VS Peer-To-Peer
Week 8	Session 15	N10-002 Network +	<ul style="list-style-type: none"> • Physical Layer ◀ NIC ◀ IRQ ◀ Configuring Jumpers ◀ Drivers ◀ Installing a NIC ◀ NIC Diagnostic Tools ◀ Network Components • Data Link Layer ◀ MAC Addresses ◀ Bridges ◀ Media Access & 802 Standards • Network Layer ◀ Subnets ◀ Routers ◀ Routable Protocols & Configuration
Week 8	Session 16	N10-002 Network +	<ul style="list-style-type: none"> • Transport Layer ◀ Name Resolution ◀ Connection Oriented vs. Connectionless ◀ Remote Connectivity • Modem Connectivity ◀ Digital Connections ◀ Remote Access Server ◀ PPP ◀ Installing & Setting up a Modem • Security Issues ◀ Creating a Security Model & Managing Accounts • Managing Passwords • Firewalls & Data Encryption
Week 9	Session 17	N10-002 Network +	<ul style="list-style-type: none"> • Protocols ◀ TCP/IP History ◀ Internet Standards Process ◀ Address Resolution Protocol (ARP) ◀ Internet Protocol (IP) ◀ Transmission Control Protocol (TCP) ◀ User Datagram Protocol (UDP) ◀ Application Protocols ◀ SNMP (Simple Network Management Protocol) • Ports • IP Addressing • Network & Host ◀ Decimal to Binary Conversion ◀ Address Classes ◀ Address Guidelines
Week 9	Session 18	N10-002 Network +	<ul style="list-style-type: none"> • Subnets & Name Resolution ◀ What is a Subnet ◀ Subnet Masks ◀ Default Gateway ◀ Name Resolution • WINS Server ◀ TCP/IP Configuration ◀ Manually Configuring a Workstation to use TCP/IP • Automatic Configuration • TCP/IP Utilities ◀ IPCONFIG ◀ Ping ◀ Testing Microsoft TCP/IP with IPCONFIG & PING ◀ TRACERT ◀ NETSTAT & NBTSTAT ◀ TELNET
Week 10	Session 19	N10-002 Network +	<ul style="list-style-type: none"> • Standard Operating Procedures ◀ Overview ◀ Naming Conventions ◀ Password Conventions • Protocol Standards & Configurations ◀ Environmental Factors ◀ Climate Control ◀ Power Conditions ◀ Error Messages ◀ Identifying Network Components ◀ Patch Panels ◀ UPS ◀ Peripherals & Common Mistakes
Week 10	Session 20	N10-002 Network +	<ul style="list-style-type: none"> • Network Maintenance ◀ Patches & Upgrade ◀ Fault Tolerance ◀ Backups ◀ Virus Software Basic Troubleshooting ◀ Basic ◀ Troubleshooting the Network ◀ Operator Issues ◀ Joe's troubleshooting tips • Physical & Logical Indicators of Trouble ◀ Link Lights ◀ Common Symptoms & Solutions ◀ Tools

Administering MS Windows 2000 Professional 70-210			
Week 11	Session 21	Introduction	<ul style="list-style-type: none"> • Networking Concepts: • Networking Models: Peer-To-Peer ◀ Workgroup ◀ Client/Server • Network Application: LAN ◀ WAN ◀ MAN • Protocols: TCP/IP ◀ IPX/SPX ◀ NetBEUI • Topologies: Star, Ring ◀ Bus curriculum ◀ OSI • Communications: ISDN ◀ Frame Relay ◀ T1 ◀ DSL ◀ Cable
Week 11	Session 22	70-210 Professional	<ul style="list-style-type: none"> • Intro_ ◀ Hardware req. ◀ Upgrade Vs Clean installation • Installation: ◀ Attended ◀ Unattended ◀ Disk Image ◀ RIS • Environment: ◀ Computer Mgt., ◀ Devices & Drivers, MMC • Desktop: ◀ Settings ◀ Accessibility ◀ Language
Week 12	Session 23	70-210 Professional	<ul style="list-style-type: none"> • File Systems: FAT, FAT32, NTFS • Managing Storage & Disks: Basic & Dynamic Disks ◀ Volumes & Partitions • Disk Quota • EFS • Off-Line Files • Disk Clean up • Defragmenter • Accessing Files and Folders • Permissions • Moving & Copying Files
Week 12	Session 24	70-210 Professional	<ul style="list-style-type: none"> • Local Computer Policies • Managing Users: Built-In User accounts ◀ Create Users ◀ Manage users properties • Managing Groups: Built-In Group accounts ◀ Create Groups ◀ Group properties • Managing User Profiles: Local ◀ Roaming ◀ Mandatory ◀ Create and manage profiles
Week 13	Session 25	70-210 Professional	<ul style="list-style-type: none"> • Managing Hardware Profiles: Create and configure hardware profiles • Printing: Install printers ◀ manage printer properties ◀ share printers • System Monitor: Objects and counters • Event Viewer • Startup Options • Boot Process
Administering MS Windows 2000 Server 70-215			
Week 13	Session 26	70-215 Server	<ul style="list-style-type: none"> • Sever Family • Hardware req. • Upgrade Vs Clean installation • Installation: ◀ Attended ◀ Unattended ◀ Disk Image ◀ Answer Files • Environment: ◀ Computer Mgt. ◀ Devices & Drivers ◀ Services
Week 14	Session 27	70-215 Server	<ul style="list-style-type: none"> • Managing Users ◀ Local Vs Domain ◀ Built-In User accounts ◀ Create Users ◀ Manage users properties • • Managing Groups: Local ◀ Global ◀ Universal • File Systems: FAT ◀ FAT32 ◀ NTFS • Managing Storage & Disks: Basic & Dynamic Disks ◀ Volumes & Partitions
Week 14	Session 28	70-215 Server	<ul style="list-style-type: none"> • Disk Quota • Off-Line Files • EFS • Distributed File System • Accessing Files and Folders • Permissions

Week 15	Session 29	70-215 Server	<ul style="list-style-type: none"> • Managing Security: Authentication ◀ ACL ◀ Local Computer Policy ◀ Group Policy • Managing Printing: Install printers, manage printer properties, • Terminal Services • System Monitor • Event Viewer • Startup Options • Boot Process
Designing MS Windows 2000 Network Infrastructure 70-216			
Week 15	Session 30	70-216 Infrastructure	<ul style="list-style-type: none"> • TCP/IP ◀ Overview ◀ Ports ◀ Sockets • TCP/IP address Classes • Subnetting IP Address Classes ◀ Class A, B, C • TCP/IP Address Assignment
Week 16	Session 31	70-216 Infrastructure	<ul style="list-style-type: none"> • DHCP ◀ Installation ◀ Configurations ◀ Create and configure Scopes • DNS ◀ Name Resolution ◀ Installation and configurations ◀ Creating Zones • WINS ◀ Windows Name Resolution ◀ Installation and configurations
Week 16	Session 32	70-216 Infrastructure	<ul style="list-style-type: none"> • RRAS ◀ RAS Installation and configurations ◀ Remote Access Policies • RRAS ◀ VPN Installation and configurations ◀ Remote Access Policies • RRAS ◀ ICS/NAT Installation and configurations
Week 17	Session 33	70-216 Infrastructur	<ul style="list-style-type: none"> • RRAS ◀ Router Installation and configurations • CA Installation and configurations ◀ Certificates overview ◀ Creating CAs • IPSec Installation and configurations
Manage a MS Windows 2000 Network Environment 70-218			
Week 17	Session 34	70-218 Environment	<ul style="list-style-type: none"> • Managing a Windows 2000 Network ◀ ADS Overview ◀ ADS Architecture ◀ Implementation Plan • Securing and Managing Shared Network Resources ◀ Network Printer Connectivity ◀ NTFS Permissions • Managing Web Services ◀ Reliability, Performance and Management ◀ Security ◀ Server and Web ◀ Environment ◀ Administering a Web Environment
Week 18	Session 35	70-218 Environment	<ul style="list-style-type: none"> • Implementing and Managing DHCP and Name Resolution ◀ WINS Introduction ◀ WINS Implementation ◀ DHCP Implementation ◀ Management • Managing DNS ◀ Resolving Network Host Names ◀ DNS Files and Name Resolution ◀ Implementing DNS ◀ Using Windows 2000 DNS • Configuring and Supporting Remote Access ◀ Introduction to Remote Access Strategy ◀ Supporting and Managing RAS Connections ◀ Planning Remote Access Security ◀ Remote Access Security for Users
Week 18	Session 36	70-218 Environment	<ul style="list-style-type: none"> • Resolving Active Directory Replication Conflicts ◀ Controlling AD Objects ◀ Supporting Active Directory ◀ Site Configuration • Managing Active Directory Group Policy and User Accounts ◀ Group Policy Concepts ◀ Microsoft Management Console ◀ User Account ◀ User Account Properties ◀ User Account Administration
Week 19	Session 37	70-218 Environment	<ul style="list-style-type: none"> • Implementing Group Policy ◀ Security Configuration Overview ◀ Group Policy Implementation ◀ Manage Software Using Group Policy ◀ Manage Special Folders and Troubleshooting • Managing Network Security ◀ Windows 2000 Security Overview ◀ Security Logs and User ◀ Rights ◀ Using Security Template

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