

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

Administering MS Windows 2000 Professional 70-210			
Week 7	Session13	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 7	Session 14	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 8	Session 15	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 8	Session 16	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 9	Session 17	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 9	Session 18	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 10	Session 19	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 10	Session 20	70-215 Server	<ul style="list-style-type: none"> • Disk Quota • Off-Line Files • EFS • Distributed File System • Accessing Files and Folders • Permissions

Week 11	Session 21	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 11	Session 22	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 12	Session 23	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 12	Session 24	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 13	Session 25	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
Implementing MS Windows 2000 Active Directory 70-217 / 70-219			
Week 13	Session 26	70-217 AD	<ul style="list-style-type: none"> • Directory overview • AD Structure • Physical ◀ Sites • Logical ◀ Sites ◀ Domains ◀ Ous
Week 14	Session 27	70-217 AD	<ul style="list-style-type: none"> • Install AD • Create Domains • Basic Mgt Tools • Create Objects With AD Users and Computers ◀ Move ◀ Modify • AD Groups • Group Policy
Week 14	Session 28	70-217 AD	<ul style="list-style-type: none"> • Computer Security • Auditing • Software Deployment • Sites • Replication • Server Roles
Week 15	Session 29	70-217 AD / 70-219	<ul style="list-style-type: none"> • Review • Back up and restore • What is AD • AD Components • AD Internal Architecture • X.500 Recommendations
Designing MS Windows 2000 Active Directory 70-219			
Week 15	Session 30	70-219 AD Design	<ul style="list-style-type: none"> • AD Naming • Schema • Modify the Schema • Forest • Domains • Ous • Domains and trust • Delegate control and use of GPO
Week 16	Session 31	70-219 AD Design	<ul style="list-style-type: none"> • Global Catalog Server and operations masters • Replication • Desktop Support • DNS, DNS Naming

Week 16	Session 32	70-219 AD Design	<ul style="list-style-type: none"> Analyzing Physical Environment Analyzing IT/Tech. Environment Analyzing Business Environment
Designing MS Windows 2000 Security 70-220			
Week 17	Session 33	70-220 Security	<ul style="list-style-type: none"> Analyze Business Requirements Analyze Technical Requirements Analyze Security Requirements: ◀Design security baseline for network◀Identify security level
Week 17	Session 34	70-220 Security	<ul style="list-style-type: none"> Design Security Solution: ◀Audit policy◀Delegation of authority strategy◀Security policies for sites, domains, and organizational units ◀Encrypting File System strategy ◀Authentication strategy Design Security Solution for Access Between Networks: ◀LAN ◀WAN
Week 18	Session 35	70-220 Security	<ul style="list-style-type: none"> Design Security Solution for Access Between Networks: ◀WAN ◀Public network Security for Communication Channels: ◀SMB-signing solution ◀IPSec Solution
Administering MS Exchange 2000 Server 70-224			
Week 18	Session 36	70-224 Exchange	<ul style="list-style-type: none"> Introduce Exchange 2000 Server: ◀User lists ◀ Connectors ◀Configure Active Directory Connector to replicate directory information Configuration: ◀ Information store objects ◀ multiple storage groups ◀multiple databases ◀virtual servers ◀ Instant Messaging objects ◀Chat objects
Week 19	Session 37	70-224 Exchange	<ul style="list-style-type: none"> Manage Recipient objects: ◀For Email ◀ For Instant Message ◀For Chat Messaging Connectivity: ◀Connectivity ◀ Foreign mail systems ◀Routing problems ◀Non-delivery report messages
Week 19	Session 38	70-224 Exchange	<ul style="list-style-type: none"> Manage Growth: ◀Information Store service ◀ Monitor server use ◀Monitor Instant Message Restore system functionality and user data: ◀ Recover deleted mailboxes ◀ Recover deleted items
CCNA-Cisco Certified Network Associates 640-607			
Week 20	Session 39	640-607	<ul style="list-style-type: none"> Layered Models ◀ Cisco Three-Layer Model ◀OSI Reference Model ◀ Application Layer ◀ Presentation Layer ◀Session Layer ◀Transport Layer ◀Network Layer ◀Data Link Layer ◀Physical Layer
Week 20	Session 40	640-607	<ul style="list-style-type: none"> Routing Example • Data Encapsulation • Segmentation◀ Overview of Segmentation◀ Virtual LANs ◀ The Spanning Tree Protocol
Week 21	Session 41	640-607	<ul style="list-style-type: none"> Configuring a Router ◀Examining a Router & a Switch◀Booting a Router & Setup Mode ◀The Command-line Interface ◀Passwords & Line Console Commands ◀Interface Configuration ◀ Verifying Configuration ◀ Configuring a Switch ◀Using the Command-line Interface with a Switch◀Switch Interface Configuration
Week 21	Session 42	640-607	<ul style="list-style-type: none"> Building a Network ◀Configuring a Router ◀Configuring a Switch ◀Verifying Configuration & Duplex Settings ◀Continued Router Configuration ◀Continued Switch Configuration

Week 22	Session 43	640-607	<ul style="list-style-type: none"> • TCP/IP ◀ Introduction to TCP/IP ◀ Application Layer Overview ◀ Transport Layer Overview ◀ Internet Layer Overview ◀ IP Addressing ◀ IP Address Classes ◀ Determining IP Address Classes
Week 22	Session 44	640-607	<ul style="list-style-type: none"> • Subnetting ◀ Addressing with & without Subnets ◀ Subnet Masks • IP Routing ◀ What is Routing ◀ Simple IP Routing ◀ Static & Dynamic Routes ◀ Routing Protocols & Distance Vector ◀ Routing Loops
Week 23	Session 45	640-607	<ul style="list-style-type: none"> • Internetworks ◀ Our Internetwork • Review Static & Dynamic Routes • Configuring IP Routing • RIP • IGRP • Virtual LANs (30 Mins) • VLAN Configuration & VTP • Assigning Ports
Week 23	Session 46	640-607	<ul style="list-style-type: none"> • ISL Routing • Managing CISCO in an Internetwork (46 Mins) • Backing Up • AutoConfig • Cisco Discovery Protocol • Building a Host Table • Ping & Trace
Week 24	Session 47	640-607	<ul style="list-style-type: none"> • IPX Routing ◀ Cisco in NetWare Networks ◀ NetWare Protocol Stack ◀ Key Novell NetWare Features ◀ Novell IPX Addressing & finding the Number ◀ Cisco Encapsulation Methods & IPX Configuration ◀ Configuring other Frame Types
Week 24	Session 48	640-607	<ul style="list-style-type: none"> • Access Lists ◀ Why use Access Lists? ◀ What are Access Lists? ◀ Configuration Guidelines ◀ Access List Commands ◀ Standard IP Access List ◀ Wildcard Cards ◀ Implementing an Access List ◀ Extended Access Lists ◀ IPX Access Lists
Week 25	Session 49	640-607	<ul style="list-style-type: none"> • WAN • POTS (Plain old Telephone Service) • WAN Connection Types • HDLC (High level Data Link control) • Point to Point Protocol • ISDN
Week 25	Session 50	640-607	<ul style="list-style-type: none"> • Dial-on-Demand Routing • Frame Relay • Subinterfaces • Troubleshooting & Debugging Tools • CIR