

Course Outline
DCOM 202
Windows Server
4 Semester Hours

The Community College of Baltimore County

Description

Windows Server

Presents planning, installation, and configuration of Microsoft's Server operating systems. Topics include connectivity, resource issues, the monitoring, optimization of server performance, and troubleshooting installation, boot, and fault tolerance problems. This course, taught in a combination lecture and hands-on format, prepares students for one of the Microsoft MCP exams required for MCSA and/or MCSE certification.

Prerequisite: DCOM 201 or consent of Program Coordinator

Overall Course Objectives

Upon completion of this course the student will be able to:

- A. Plan a successful installation of Windows NT 4.0 Server.
- B. Install and configure Windows NT 4.0 Server.
- C. Install and configure Windows NT Server 4.0 services.
- D. Resolve boot, configuration, security, and printer problems.
- E. Identify, monitor, and resolve common performance problems.
- F. Install and configure network components.
- G. Install and configure hardware.
- H. Tune and optimize the system.
- I. Diagnose and resolve installation failures.
- J. Diagnose and resolve connectivity problems.
- K. Diagnose and resolve printing problems.
- L. Diagnose and resolve hardware device and device driver problems.

Major Topics

- A. An Introduction to Windows NT Server
 - 1. Describe the various Microsoft operating systems
 - 2. Explain the history of the Microsoft Windows operating systems
 - 3. Describe the differences between Windows NT Server and other operating systems
- B. Planning, Installing, and Configuring Windows NT Server
 - 1. Describe the Windows NT Server system requirements
 - 2. Choose an appropriate file system, networking model, and security strategies
 - 3. Install Windows NT Server as a new installation or as an upgrade

- C. The Windows NT Server Registry
 - 1. Understand the structure and functions of the Windows NT Server Registry
 - 2. Identify major keys and subkeys in the Registry
 - 3. Back up and restore the Registry
- D. Windows NT Server Networking Components and Protocols
 - 1. Describe the multi-user environment of Windows NT Server
 - 2. Enable multiple user profiles with Windows NT Server
 - 3. Create and manage both user preferences and mandatory profiles
- E. Managing Windows NT Server Users, Profiles, and Policies
- F. Windows NT Server Communications and Mobile Computing
- G. Windows NT Server Services
- H. Managing Windows NT Server System Resources
- I. Managing Windows NT Server Applications
- J. Monitoring, Tuning, and Optimizing Windows NT Server
- K. Windows NT Server Security, Access Controls, and Fault Tolerance
- L. Advanced Windows NT Server Installation and Networking
- M. Troubleshooting Windows NT Server

Course Requirements

Grading/exams: Procedures for grading will be determined by the individual faculty member; there will be a *minimum* of 10 graded assignments. A final examination is required. Other graded assignments may come from any combination of the following categories: quizzes, hourly exams, a midterm exam, group projects, individual reports/presentations, or lab projects.

Writing: The individual faculty member will determine specific writing assignments.

Other Course Information

This course is taught in a computerized environment.

This course is a required course in the MCSE (Microsoft Certified Systems Engineer) concentration.

Individual faculty members may include additional course objectives, major topics, and other course requirements to the minimum expectations stated in the Common Course Outline.

Date Revised: 6/7/00