

Course Outline
DCOM 200
Windows PC Operating System
3 Semester Hours

The Community College of Baltimore County

Description

Windows PC Operating System presents essential technical knowledge necessary for supporting users of Microsoft's state-of-the-art personal computer operating system by Microsoft. Students will learn planning, appropriate implementation, configuration of the operating system, resource allocation, management of interoperability with other client/server elements, system tuning, and troubleshooting. The implementation, administration, and troubleshooting of client/server network systems that incorporate Microsoft Windows as the client software will be covered. In addition, this course prepares the student for one of the MCP (Microsoft Certified Professional) examinations. To earn a MCSE (Microsoft Certified System Engineer) credential, see the program coordinator for further information.

3 credits; 2 lecture hours, 2 laboratory hours required. Prerequisite: DCOM 101

Overall Course Objectives

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

- A. Develop an appropriate implementation model for specific requirements.
- B. Develop a security strategy.
- C. Install Windows 98.
- D. Configure Windows 98 server components.
- E. Install and configure the network components.
- F. Install and configure network.
- G. Install and configure hardware.
- H. Configure a Windows 98 computer as a client computer in an NT network.
- I. Configure a Windows 98 computer as a client computer in a NetWare network.
- J. Configure a Windows 98 computer for remote access.
- K. Monitor system performance.
- L. Tune and optimize the system.
- M. Diagnose and resolve installation failures.
- N. Diagnose and resolve boot process failures.
- O. Diagnose and resolve connectivity problems.
- P. Diagnose and resolve printing problems.
- Q. Diagnose and resolve hardware device and device driver problems.

Major Topics

- A. An Introduction to Windows 98
 - 1. Describe the various Microsoft operating systems
 - 2. Explain the history of the Microsoft Windows operating systems
 - 3. Describe the differences between Windows 98 and other operating systems
- B. Planning, Installing and Configuring Windows 98
 - 1. Describe the Windows 98 system requirements
 - 2. Choose an appropriate file system, networking model, and security strategies
 - 3. Install Windows 98 as a new installation or as an upgrade
- C. The Windows 98 Registry
 - 1. Understand the structure and functions of the Windows 98 Registry
 - 2. Identify major keys and subkeys in the Registry
 - 3. Back up and restore the Registry
- D. Windows 98 Networking Components and Protocols
 - 1. Describe the multiuser environment of Windows 98
 - 2. Enable multiple user profiles with Windows 98
 - 3. Create and manage both user preferences and mandatory profiles
- E. Managing Windows 98 Users, Profiles, and Policies
- F. Windows 98 Communications and Mobile Computing
- G. Windows 98 Server Services
- H. Managing Windows 98 System Resources
- I. Managing Windows 98 Applications
- J. Monitoring, Tuning, and Optimizing Windows 98
- K. Windows 98 Security, Access Controls, and Fault Tolerance
- L. Advanced Windows 98 Installation and Networking
- M. Troubleshooting Windows 98

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.

