

Course Outline
DCOM 222
Introduction to NetWare
4 Semester Hours

The Community College of Baltimore County

Description

Introduction to NetWare

Provides an in-depth experience in administering a local area network and preparation for the student Novell CNA (Certified Network Administrator) exam; examines LAN administration skills using Novell's NetWare network operating system, basic user skills, defining network objects, designing the file system, managing user access, securing the file system, working with NDS security, implementing network printing, implementing login scripts, managing user environments, and operating the server console.

Prerequisite: DCOM 251

Overall Course Objectives

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

- A. List the NetWare resources available to administrate a NetWare LAN
- B. Describe NDS
- C. Explain how the NDS tree affects resource access
- D. Explain and perform the login procedure
- E. Use NetWare Administrator to create and to manage User objects
- F. Describe and establish login security, including login restrictions for users
- G. Set up NDPS by creating an NDPS Manager and setting up printers
- H. Install and configure a printer for a workstation
- I. Manage NDPS
- J. Access the file system by configuring drive mappings
- K. Select the correct utilities needed to create, delete, rename, and move directories
- L. Select the correct utilities to copy, move, delete, salvage, and purge files
- M. Describe NetWare 5 file system security
- N. Describe and set the directory and file attributes
- O. Describe the types of login script and explain how they are executed
- P. Create, executes, and debugs a login script.

Major Topics

- A. Networking Basics
 - 1. Network Components
 - 2. Network Applications
 - 3. Command-Line Utilities
 - 4. The Universal Aerospace Project: Introduction
- B. Defining Network Objects

1. Implementing the Client
 2. Novell Directory Services
 3. Implementing the Directory Tree
 4. NDS Partitioning and Replicating
- C. Designing the file System
1. File System Components
 2. Establishing the Universal Aerospace Directory Structure
 3. Working with Network Files
 4. Viewing File System Information
 5. Drive Pointers
- D. Managing User Access
1. Establishing Login Security
 2. Creating Users and Groups
 3. Moving Objects and Containers
- E. Securing the File System
1. Access Rights Security
 2. Planning File System Security
 3. Implementing Trustee Assignments
 4. Attribute Security
- F. Working with NDS Security
1. NDS Security Overview
 2. NDS Security for Universal Aerospace
- G. Implementing Network Printing
1. Network Printing Overview
 2. Novell Distributed Print Services
 3. Defining a Printing Environment
 4. Setting Up the Printing Environment
 5. Managing Network Printing
 6. Creating Print Job Configuration
- H. Implementing NetWare Login Scripts
1. Types of Login Scripts
 2. Login Script Programming
 3. Implementing Login Scripts

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 the first course in a sequence of two courses in the Novell CNA (Certified Network Administrator) 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