

**NorthWest Arkansas Community College
Business and Computer Information Course Outline**

NTWK 2023 NETWORK ADMINISTRATION I (F)

Catalog Description

This course provides students with computer network administrative techniques in a currently popular network operating system (Windows 2003 or its equivalent). Students will install local area network equipment and software. Attention is given to the common tasks of daily administration of a local area network, such as creating user accounts, assignment of user accounts to groups, administration of file and folder permissions, user rights, system performance monitoring, and other routine administrative tasks. Outside lab time will be required.

Prerequisites

NTWK 2013 Networking and Information Systems

Credit Hours: 3

Target Audience

The target audience includes but is not necessarily limited to the following:

- Students pursuing a career in Networking
- Students who wish to enhance their understanding of computer Networking
- Community members or professional who wish to expand their understanding of Windows 2003 Server operating system

General Course Objectives

- To offer curriculum and instructional methods that support student learning.
- To develop in each learner the skills and attitudes necessary for the attainment of academic and career goals.
- To develop in each learner the enjoyment of learning and the lifelong pursuit of knowledge.

Core Course Objectives

A successful student will be able to perform the following tasks in a Windows 2000 Server environment:

- Install and configure a Windows 2003 Server
- Plan and configure the Active Directory
- Manage users, groups, shares, and permissions
- Monitor server performance
- Optimize server performance

Required/Optional Texts and Student Resources

Required:

Networking with Windows 2000 & 2003, 2nd edition.

Publisher: Pearson /Prentice Hall, 2004, ISBN 0-13-112462-5

Optional:

Web-based resources as may be provided by the instructor during the course of the semester.

Required Forms of Assessment

A comprehensive final exam will be required, which accounts for 20-25% of the final grade

Required Topics Covered

- Networking with Windows
- Advanced TCP/IP Topics.
- Introduction to Active Directory
- Managing Computers, Users and Groups
- Introduction to Disk Management
- Directory and File Management
- Printing with Windows
- Disaster Recovery
- Understanding WAN Technology
- Remote Access
- Introduction to Web Servers
- Introduction to Email
- Introduction to Network Security

Optional Coverage

- Managing Disk Quotas
- Troubleshooting
- Managing Network and Internet Interoperability