**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

# **GENERAL COURSE INFORMATION**

Course Number: NTWK 1086

Course Title: Windows Server II

Credit Hours: 3

Prerequisite: NTWK 1085 Windows Server I with grade of “C” or better.

Division/Discipline: WTCE

Course Description: This class prepares students to administer a Windows Server. Students learn to configure Active Directory services, configure deployment services, monitor services and servers, configure file systems management, establish audit policies, configure DNS, configure direct access, implement network protection, configure domain controller management, and configure advanced group and user policy management processes. This course is one of a group of courses which prepares students for the Microsoft Certified Technology Specialist (MCTS) Windows Server Infrastructure Exam, a core requirement of the MCSA (Microsoft Certified Systems Administrator).

# **INSTRUCTOR INFORMATION**

# **COLLEGE POLICIES**

Students and faculty of Barton Community College constitute a special community engaged in the process of education. The College assumes that its students and faculty will demonstrate a code of personal honor that is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

Plagiarism on any academic endeavors at Barton Community College will not be tolerated. The student is responsible for learning the rules of, and avoiding instances of, intentional or unintentional plagiarism. Information about academic integrity is located in the Student Handbook.

The College reserves the right to suspend a student for conduct that is determined to be detrimental to the College educational endeavors as outlined in the College Catalog, Student Handbook, and College Policy & Procedure Manual. (Most up-to-date documents are available on the College webpage.)

Any student seeking an accommodation under the provisions of the Americans with Disability Act (ADA) is to notify Student Support Services via email at disabilityservices@bartonccc.edu.

# **COURSE AS VIEWED IN THE TOTAL CURRICULUM**

This course is required for the Networking Specialist Associate of Applied Science. It is the second course in a two course sequence which prepares students for the MCSA (Microsoft Certified Systems Administrator) certificate for Windows Server.

# **ASSESSMENT OF STUDENT LEARNING**

Barton Community College is committed to the assessment of student learning and to quality education. Assessment activities provide a means to develop an understanding of how students learn, what they know, and what they can do with their knowledge. Results from these various activities guide Barton, as a learning college, in finding ways to improve student learning.

 Course Outcomes, Competencies, and Supplemental Competencies:

1. Configure addressing and services
	1. Apply IPv4 and IPv6 addressing
	2. Implement Dynamic Host Configuration Protocol (DHCP)
	3. Demonstrate routing
	4. Configure Windows Firewall with Advanced Security
2. Configure names resolution
	1. Implement a Domain Name System (DNS) server
	2. Configure DNS zones
	3. Manage DNS records
	4. Apply DNS replication
	5. Assign name resolution for client computers
3. Configure network access
	1. Implement remote access
	2. Configure Network Access Protection (NAP)
	3. Apply DirectAccess
	4. Configure Network Policy Server (NPS)
4. Configure file and print services
	1. Implement a file server
	2. Configure Distributed File System (DFS)
	3. Complete backup and restore utilities
	4. Manage file server resources
	5. Configure and monitor print services
5. Monitor and Manage a Network Infrastructure
	1. Configure Windows Server Update Services (WSUS) server settings
	2. Configure performance monitoring
	3. Examine event logs
	4. Gather network data
6. **INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS**

# **TEXTBOOKS AND OTHER REQUIRED MATERIALS**

# **REFERENCES**

# **METHODS OF INSTRUCTION AND EVALUATION**

# **ATTENDANCE REQUIREMENTS**

1. **COURSE OUTLINE**