**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

# **GENERAL COURSE INFORMATION**

Course Number: NTWK 1085

Course Title: Windows Server I

Credit Hours: 3

Prerequisite: NTWK 1032 Introduction to Networking with a “C” or better

Division/Discipline: WTCE

Course Description: This class prepares students to install and configure a Windows Server. Students learn to install Windows Server through manual and automated installation routines, configure file systems and disk management functions, implement IPv4 and v6 addressing, configure networking protocols, install and configure virtualization systems and services, configure DNS Service, and configure group policies. 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](mailto:disabilityservices@bartonccc.edu).

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

This course is required for the Networking Specialist Associate in Applied Science. It is the first course in a two course sequence which prepares students for the MCSA (Microsoft Certified Systems Solutions Associate) 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. Demonstrate proficiency in installing and configuring the current version of Windows Server
   1. Install and configure Windows server
   2. Migrate from previous versions of Windows Server
2. Configure networking components
   1. Describe topologies, transmission media, and cabling techniques
   2. Configure a local area network to permit sharing of data, software, and peripherals
   3. Describe standards and industry convention that are applicable to microcomputer communication and local area networks
   4. Use Print Services to install a network printer
3. Employ disk management basics, file systems, and file system security
   1. Configure and explore disk management basics
   2. Examine file system security
4. Configure Active Directory services
   1. Plan and implement Active Directory services
   2. Monitor and maintain Active Directory services
5. Develop wide area networks
   1. Define and configure network protocols and services such as TCP/IP, DHCP, WINS, and DNS
   2. Use appropriate communication and networking equipment
   3. Apply regulatory agency standards to communication
6. Examine remote access service
   1. Explain routing principles
   2. Apply remote access
7. Configure user and group accounts
   1. Demonstrate ability to use the Microsoft Management Console
   2. Configure user and group accounts
   3. Implement group policies
8. Secure network resources
   1. Recognize security risks in Windows Server
   2. Employ Windows Server security features
9. **INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS**

# **TEXTBOOKS AND OTHER REQUIRED MATERIALS**

# **REFERENCES**

# **METHODS OF INSTRUCTION AND EVALUATION**

# **ATTENDANCE REQUIREMENTS**

1. **COURSE OUTLINE**