**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

# **GENERAL COURSE INFORMATION**

Course Number: NTWK 1046

Course Title: Local Area Network Workstation

Credit Hours: 3

Prerequisite: None

Division/Discipline: Workforce Training & Community Ed/Networking Specialist

Course Description: This course prepares students to operate and manage Local Area Network (LAN) workstations and prepares to pass the current industry certification. Students learn to install, configure, deploy, monitor and maintain a LAN workstation. Migration from previous versions and new features are highlighted.

# **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 an advanced level LAN workstation course that prepares students for the Microsoft’s Certified Professional Exam of the COS (current operating system). LAN workstation is one of seven courses for Microsoft Certified Systems Engineer (MCSE). This course is not designed for transfer but for students in the career track at Barton Community College.

# **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:

Upon completion of this course, the student will possess the following knowledge, skills and abilities:

1. Installing, Upgrading, and Migrating to Windows COS (current operating system)
2. Perform a clean installation.
3. Upgrade to Windows COS from previous versions of Windows.
4. Migrate user profiles.
5. Deploying Windows COS
6. Capture a system image.
7. Prepare a system image for deployment.
8. Deploy a system image.
9. Configure a VHD.
10. Configuring Hardware and Applications
11. Configure devices.
12. Configure application compatibility.
13. Configure application restrictions.
14. Configure Internet Explorer.
15. Configuring Network Connectivity
16. Configure IPv4 network settings.
17. Configure IPv6 network settings.
18. Configure networking settings.
19. Configure Windows Firewall.
20. Configure remote management.
21. Configuring Access to Resources
22. Configure shared resources.
23. Configure file and folder access.
24. Configure user account control (UAC).
25. Configure authentication and authorization.
26. Configure BrancheCache
27. Configuring Mobile Computing
28. Configure BitLocker and BitLocker To Go.
29. Configure DirectAccess.
30. Configure mobility options.
31. Configure remote connections.
32. Monitoring and Maintaining Systems that Run Windows COS
33. Configure updates to Windows COS.
34. Manage disks.
35. Monitor systems.
36. Configure performance settings.
37. Configuring Backup and Recovery Options
38. Configure backup.
39. Configure system recovery options.
40. Configure file recovery options.
41. **INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS**

# **TEXTBOOKS AND OTHER REQUIRED MATERIALS**

# **REFERENCES**

# **METHODS OF INSTRUCTION AND EVALUATION**

# **ATTENDANCE REQUIREMENTS**

1. **COURSE OUTLINE**