Course Outcome Guide (COG)

Approved 13 September 2012

Course:	CIS 215	**Credits:**	3	**Instructor:**	Ken Quamme
Course Description:	This course introduces the learner to the Microsoft Windows Server and the networking technologies it supports. The learner will become familiar with networking and operating system concepts and the common tasks required to administer and support the Microsoft Windows operating system in a network environment.				

Concepts and Issues	Process Skills	Assessment Tasks	Intended Outcomes		
			Course	General Education or Program	Institutional
Active Directory Users Groups Profiles Group Types Access Issues Passwords Security Updates File Systems Network Printing File Compression Task Manager Backup	Install the current version of the Windows Workstation Operating System. Identify Active Directory Logical Components and Infrastructure Create and manage Organizational Units. Create and manage user accounts including user profiles. Create and use groups to manage access to resources. Implement and manage file system access security. Implement advanced file system management techniques. Implement and manage	• Participation • Case studies • Network Simulations • Individual and group projects • Individual/group projects and presentations • Completion of Chapter Assessments • Final Assessment • Skills-Based Assessment Course Feedback	The student will be able to install, configure, and trouble-shoot a server. The student will be able to configure a server for resource sharing, including directories and files, user accounts and printers. The student will be able to set up and manage clients on a Windows network.	1. Assemble the components of a PC and install one or more operating systems resulting in a functioning PC. 2. Identify major telecommunications media types, including coaxial cable, UTP and fiber optic cable. 3. Design a small or medium sized computer network including media types, end devices and interconnecting devices. 4. Design basic wide area networks and work with a number of WAN encapsulations. 5. Perform basic configuration on routers and Ethernet switches. 6. Perform basic tasks expected of a Network Administrator, includi	1. Students will demonstrate effective communication skills. 2. Students will use reasoning skills to analyze and solve problems.

	network printing resources. Implement resource access auditing. Monitor system performance. Manage and Implement Backups and Disaster Recovery			ng management of user accounts, shared resources and network security. 7. Work in a UNIX environment and successfully create and manage files. 8. Create a database, query a database, and ouput reports from a database in a database program. 9. Write a sample program in at least one programming language. 10. Effectively use the Internet for learning and tech support. 11. Have a basic understanding of TCP/IP.	