

Course Outcome Guide (COG)

| Course: | CIS 162 – Operating Systems - Windows | Credits: | 3 | Instructor: | Ken Quamme |
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| Course Description: | Basic introduction to Windows operating systems. The course will enable students to manipulate the Window desktop, start up and use Windows applications, move and cut and paste between applications, use and manage files, printing, and use the control panel to customize the desktop. | | | | |
| Concepts and Issues | Process Skills | Assessment Tasks | Intended Outcomes | | |
| | | | Course | General Education or Program | Institutional |
| Themes Partitions Command line GUI Task Bar Run Commands Manage Windows Manage Users Manage Groups | Define the basic components of an operating system. Partition and format a disk. Install a Windows OS Implement an effective file system for both programs and data Configure the look and feel of the desktop OS Work effectively with the command line and GUI Great users and groups Place users in groups | <ul style="list-style-type: none"> • 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 | <p>The student will be able to describe the basic functions of the Windows desktop.</p> <p>The student will be able to manage and demonstrate various features for navigating through menus, dialog and message boxes, various menus, icons, taskbar, and toolbars.</p> <p>The student will be able to manage and demonstrate various features for navigating through menus, dialog and message boxes, various menus, icons, taskbar, and toolbars.</p> | <ol style="list-style-type: none"> 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 | <ol style="list-style-type: none"> 1. Students will demonstrate effective communication skills. 2. Students will use reasoning skills to analyze and solve problems. |

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| | | | | <p>Network Administrator, including management of user accounts, shared resources and network security.</p> <ol style="list-style-type: none">7. Work in a UNIX environment and successfully create and manage files.8. Create a database, query a database, and output 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. | |
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