

CIT 114. WINDOWS OPERATING SYSTEMS.

Credit Hours: 3

Scheduled hours per week

Lecture: 2

Lab: 2

Other: 0

Catalog Course Description: The second in the series of three courses required to prepare the student for a Microsoft client operating system certification. Topics covered in this semester include all aspects of a Windows workstation OS and a Windows Server OS. Network access to server resources. Network server hardware devices and driver. Server performance, reliability, and availability, network connections, security, and server troubleshooting.

Pre-requisites: CS 101

Co-requisites: CS 101

Course Learning Outcomes:

The student will have the ability to install, configure, and administer a Microsoft Windows client operating system.

Topics to be studied:

- Introduction to a Windows client operating system
- Installation of a Window client operating system
- Utilizing Windows Systems Utilities
- Managing Disks and File Systems
- User Management
- Security Features
- Networking
- Productivity Tools
- Application Support
- Performance Tuning and System Recovery
- Device Management
- Client virtualization
- Enterprise computing
- Remote Access and Client Support

Relationship of Course to Program or Discipline Learning Outcomes:

	Identify and describe layers of the OSI and TCP/IP models, and use them effectively in troubleshooting
	Describe and apply LAN and WAN technologies in wired and wireless environments
X	Demonstrate ability to apply workstation and server installation, configuration, management and troubleshooting techniques
	Demonstrate ability to install, configure, manage, and maintain routing and switching technologies
X	Describe and discuss different operating systems and their relationship with hardware, their functions, advantages and disadvantages, and their respective tools and software packages
X	Explain Information Systems and choose appropriate systems based on requirements

X	Describe basic information security and computer ethics
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Relationship of Course to General Education Learning Outcomes:	
Composition and Rhetoric Students illustrate a fundamental understanding of the best practices of communicating in English and meet the writing standards of their college or program-based communication requirements.	X
Science & Technology Students successfully apply systematic methods of analysis to the natural and physical world, understand scientific knowledge as empirical, and refer to data as a basis for conclusions.	X
Mathematics & Quantitative Skills Students effectively use quantitative techniques and the practical application of numerical, symbolic, or spatial concepts.	X
Society, Diversity, & Connections Students demonstrate understanding of and a logical ability to successfully analyze human behavior, societal and political organization, or communication.	
Human Inquiry & the Past Students interpret historical events or philosophical perspectives by identifying patterns, applying analytical reasoning, employing methods of critical inquiry, or expanding problem-solving skills.	X
The Arts & Creativity Students successfully articulate and apply methods and principles of critical and creative inquiry to the production or analysis of works of art.	
5/3/2016	

Special requirements of the course:

N/A

Additional information:

This course is designed to prepare the student for a career in the computer industry. Along with the above stated course objectives this course will prepare the student to take a Microsoft client operating system certification exam.

Prepared by: Doug Rhodes

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