DEPARTMENT: Computer Support Technology       COURSE NO: CST 1125
COURSE TITLE: Operating Systems          CREDITS: 3

CATALOG DESCRIPTION

This course explores various operating systems including Unix, Mac and the various versions of Microsoft Windows. Specific concepts will include installing, configuring, troubleshooting and maintaining efficiency of the operating system to meet end-user needs in a production environment.

AUDIENCE

Computer students in their first year of the program. This course is for someone whose goals include becoming more proficient at installing, configuring, troubleshooting and securing the Windows Desktop Operating system.

FULFILLS MN TRANSFER CURRICULUM AREA(S): Does not apply

PREREQUISITES OR NECESSARY SKILLS/KNOWLEDGE: It is required that the student successfully completes the following courses:
CSCI 1102 – Introduction to Microcomputers

LENGTH OF COURSE: 2 lecture hours and 1 lab hours per week for 16 weeks.

THIS COURSE IS USUALLY OFFERED:
Every other year ☐ Fall ☐ Spring ☐ Summer ☐ Undetermined ☐

Four goals are emphasized in courses at Minnesota West Community and Technical College:

1. ACADEMIC CONTENT: The student will achieve the knowledge and skill needed in the area of maintaining the Windows Desktop operating system.
2. THINKING SKILLS: The student will install and configure the operating system on a computer with an understanding of the rational, theory and components of the network operating system.
3. COMMUNICATION SKILLS: The student will begin to demonstrate appropriate communication techniques in working with fellow students to complete assignments and work on developing help desk skills.
4. HUMAN DIVERSITY – The student will gain self-awareness regarding their feelings towards people of different cultures, value systems and socioeconomic status.

Topics to be covered:

1. Install and configure personal computer operating systems
2. Install and configure peripheral devices
3. Install and configure desktop applications
4. Troubleshoot the operating systems
Course Outline

LIST OF EXPECTED COURSE OUTCOMES:
1. Distinguish the basic functions of an operating system
2. Use the control panel to troubleshoot the operating system
3. Develop a strategy for troubleshooting problems
4. Work with the file system
5. Install hardware devices and drivers.
6. Use system utilities to view and optimize the operating system
7. Plan and perform a workstation installation
8. Understand and troubleshoot the Operating systems

LEARNING/TEACHING TECHNIQUES used in the course are:

X Collaborative Learning    X Student presentations
☐ Creative Projects           X Lecture
X Problem Solving            X Interactive Lectures
X Individual Coaching        X Films/Videos/Slides
X Demonstration              X Labs

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
 X Reading       X Tests            X Individual Projects
 X Oral Presentations X Worksheets      X Collaborative Projects
 X Textbook Problems  X Papers       ☐ Portfolios
 X Group Problems    ☐ Term Papers    X Performance Exams
 ☐ Other

"This course will cover the characteristics of hazardous wastes and its safe handling, storage, and disposal."

The information in this course outline is subject to revision

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

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