



CIS 1122

Division: Career and Technical Education

Department: Computer Information Systems

Course: CIS 1122

Title: PC Operating Systems

Catalog Description:

This course is intended to provide a thorough, step-by-step process for learning the fundamentals of supporting and troubleshooting computer operating systems. The course takes a hands-on approach to learning the steps to installing, troubleshooting and supporting the most common operating systems in use on the personal computer. In addition to explaining concepts, the course uses a multitude of real world examples of problems and issues related to operating systems, making it a practical preparation for the real world.

General Education Requirements: N/A

Semesters Offered: Fall, Spring

Credit/Time Requirement: Credit: 3; Lecture: 3; Lab: 1

Clock/Hour Requirements: 60

Offered for Non-Credit: Yes

Prerequisites: N/A

Corequisites: N/A

Justification:

This course is recommended by the program advisory committee and is a prerequisite for other CIS courses. This course helps prepare students for job readiness at graduation and/or transfer to some advanced training institutions.

Student Learning Outcomes:

Upon successful completion of this course, students will be able to:

- identify and compare different operating systems
- describe how an operating system works with hardware and other software
- describe, in detail, the boot process and command line
- perform basic support tasks related to Windows 9x
- install Windows 2000 and Windows NT
- manage and troubleshoot Windows 2000
- install and use Windows XP Professional
- manage and support Windows XP
- manage memory

- support hard drives
- manage Windows on a network
- manage Windows on the Internet
- install and configure printers
- install and use the Mac OS, and Linux.

Content:

Course objectives will be accomplished by providing students with learning experiences in the following subject areas:

- Introducing and Comparing Operating Systems
- How an OS works with Hardware and Other Software
- Understanding the Boot Process and Command Line
- Supporting Windows 9x
- Understanding and Installing Windows 2000 and Windows NT
- Managing and Troubleshooting Windows 2000
- Installing and Using Windows XP Professional
- Managing and Supporting Windows XP
- Managing Memory
- Supporting Hard Drives
- Windows on a Network
- Windows on the Internet
- Printers, the Mac OS, and Linux.

General Education Outcomes:

Key Performance Indicators:

In class:

- Student grades will be based on a combination of lab exercises (5-25%), quizzes (5-25%), tests (10-50%), and a final exam or project (20-50%). Percentages are approximate.

Following class:

- Post evaluation will be measured by subsequent student success in classes where students are expected to be familiar with personal computer operating systems. Student scores on the CompTIA A+ Service Technician Certification Exam will also indicate student success in this course.

Representative Text and/or Supplies:

- Andrews, *A+ Guide to Software: Managing, Maintaining, and Troubleshooting*, current edition, Thomson.

Signatures:

I hereby submit this course syllabus:

Michael Medley, MBA, Instructor

I hereby find this course consistent with the goals and resources of the Computer Information Systems Department:

Michael P. Medley, MBA, Assistant Professor, Chair

I hereby find this course consistent with the goals and resources of the Career and Technical Education Division:

Michael P. Medley, MBA, Assistant Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

Michelle Olsen, MLS, Campus Librarian (Richfield Campus)