



CIS 1122

Division: Career and Technical Education

Department: Information Technology

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:

Applied Education Outcomes:

1) Students will acquire entry-level skills specific to and appropriate for employment in their chosen field of study.

Students will acquire entry-level skills specific to loading, maintaining, and troubleshooting PC operating systems and utilities.

2) Students will become aware of industry specific certification and develop skills sufficient to acquire the same.

Students will become aware of the vendor neutral CompTIA A+ certification and develop skills sufficient to acquire the same.

Key Performance Indicators:

Student Learning Outcomes will be assessed by two or more of the following Key performance Indicators:

- exams

- quizzes
- lab exercises
- success in subsequent courses
- scores on the CompTIA A+ Service Technician Certification Exam.

Representative Text and/or Supplies:

- Testout Labsim software: A+ Practical Application
- Supplemental materials that support the hands-on lab activities

Optimum Class Size: 16

Maximum Class Size: 16

Signatures:

I hereby submit this course syllabus:

Michael P. Medley, MBA, Assistant Professor

I hereby find this course consistent with the goals and resources of the Information Technology 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)