

COURSE OUTLINE

CMSY-142 Operating System Fundamentals I 1 Semester Hour

HOWARD COMMUNITY COLLEGE

Description

After successful completion of this course, the student will be able to identify and use the functions, structure, and major system files of operating systems. This will include procedures for creating, reviewing, and managing files, directories, and disks. This course is designed to meet the needs of students who want to work toward A+ certification. This course may be completed in fewer than 14 weeks and may be started at any time during the school year. All of the work for this course (except tests) may be done outside of class if the student has the appropriate operating systems. Prerequisite: CMSY-134.

Overall Course Objectives

Upon completion of this course, the student will be able to:

1. Describe the differences between various Windows operating systems.
2. Explain how an operating system relates to hardware and other software and how an operating system launches applications.
3. Explain how to install, customize, use, and support Windows NT and 2000.
4. Create and use Windows rescue disks.
5. Explain how the Windows registry is organized and how to edit the registry.
6. Explain how to install and use Windows and how to install hardware and applications using Windows.
7. Explain how to manage hard drives and floppy drives.
8. Troubleshoot the boot process, hardware, and applications, and Windows performance.

Major Topics

- I. How an Operating System Works with Hardware and Other Software
 - A. How an operating system relates to hardware and other software
 - B. How an operating system launches applications
- II. Understanding the Boot Process and Command Line
 - A. Booting the computer
 - B. Emergency startup disks
 - C. Managing floppy disks and hard drives
- III. Installing and Using Windows
 - A. Windows versions and architecture
 - B. Installing and using Windows
 - C. Installing hardware with Windows
 - D. Installing applications in Windows
- IV. Managing and Troubleshooting Windows
 - A. Troubleshooting the Windows boot process

- B. The Windows Registry
- C. Tools used to monitor, control, and troubleshoot Windows
- D. Troubleshooting hardware in Windows
- E. Troubleshooting applications in Windows
- F. Troubleshooting problems with Windows performance

Course Requirements

Grading/exams: Specific assignments and procedures for evaluating student performance in the class will be described in the individual class syllabus, but will include the following:

1. Multiple choice, true/false tests

Other Course Information

Call 410-772-4876 between 9 a.m. and 3 p.m. for more information about this course.
This course is a business elective.