

COURSE OUTLINE

ELEN 236

Computer Peripherals

3 Semester Hours

The Community College of Baltimore County

Description

ELEN 236 – Computer Peripherals introduces students to devices whose functions are external to the central processing unit. Equipment such as printers, keyboards, video displays, disk devices, and modems will be considered. Interface “standards” such as RS-232 and Centronics parallel will also be discussed. Basic troubleshooting and preventive maintenance will be introduced and supported with laboratory experiences.

3 credits: 3 lecture hours and 3 lab hours per week. Prerequisite: ELEN141 or permission of program coordinator.

Overall Course Objectives

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

1. Identify the various port connections used in PC-compatible systems.
2. Explain the operation of an RS-232 serial interface port.
3. Describe the operation of the Universal Serial Bus (USB).
4. State the characteristics of the different video standards
5. Describe the organization of a typical hard or floppy disk.
6. Describe the various methods currently used to put computer print on paper.
7. Install and configure a printer for DOS or Windows operation.
8. Identify the major components of a printer.
9. Describe the operation and hardware of a typical Ethernet LAN system.

Major Topics

1. Input Devices – Keyboards, Mice, etc.
2. Video Systems
3. Sound Cards
4. CD-ROMs
5. Printers
6. Modems
7. Networks

Course Requirements

Grading/exams: Procedures for grading will be determined by the individual faculty member; there will be a *minimum* of 10 graded assignments. A final

examination is required. Other graded assignments may come from any combination of the following categories: quizzes, hourly exams, a midterm exam, group projects, individual reports/presentations, or lab projects.

Other Course Information

This course is a requirement for CCBC's A+ Certificate program. This course, along with ELEN 141 and ELEN 232, prepares students for the hardware level of A+ certification offered by the Computer Industry Association.