

Common Course Outline

CINS 252

Mid-Range Computers Applications Case Study

3 Lecture Hours per Week

The Community College of Baltimore County

Description

Mid-Range Computers Applications Case Study

Covers the design, development, and testing of specific business related applications (primarily accounting) to be operated on the IBM AS/400 computer system.

3 credits: 3 lecture hours (this course is delivered in a combination lecture and hands-on format).

Prerequisite: CINS 101 or consent of the Program Director or Academic Dean.

Overall Course Objectives

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

1. develop a familiarity with the several software systems which provide the core of application development;
2. develop techniques for putting application design specifications into programming code; and
3. use existing routines and constructs in the application design process.

Major Topics

1. The required development steps from the determination of a need to the complete documentation of a successfully completed application.
2. The fundamentals of COBOL programming in relation to application development.
3. The fundamentals of RPG programming in relation to application development.
4. Researching the industry literature to discover what prepackage software applications are available.
5. The adaptation and modification of an "open system" pre-written software package in order to adapt it to the specific needs of the desired application.
6. The construction and testing of an application in pieces in order to provide for an orderly design and test procedure.

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member but will include the following:

Written Tests	50%
Application Case Study	40%
Class Participation	10%

Writing: The individual faculty member will determine specific writing assignments.

Other Course Information

Prerequisite: CINS 101 or consent of the Program Director or Academic Dean

Individual faculty members may include additional course objectives, major topics, and other course requirements to the minimum expectations stated in the Common Course Outline.

Date Revised: 01/25/00