

Common Course Outline

CINS 213

Advanced RPG/400

3 Credits: 2 Lecture Hours 2 Laboratory Hours

The Community College of Baltimore County

Description

Advanced RPG/400 Programming

Adds to expertise in RPG/400; introduces advanced data base techniques, screen design aids, error handling and resolution, and productivity enhancement.

3 credits: 2 lecture hours, 2 laboratory hours.

Prerequisite: CINS 113 or consent of the Program Director.

Overall Course Objectives

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

1. understand techniques for accessing the application data base and presenting information to the user;
2. understand error prevention and/or correction techniques while a program is running; and
3. understand techniques and tools to balance productivity and efficiency.

Major Topics

1. Accessing the application data base and presenting information to the user.
2. Initiating the automatic recovery and restart for an application.
3. Coding the RPG and DDS (Data Description Specifications) specifications to utilize efficient processing of subfiles.
4. Error handling and resolution for user input errors, programming errors, and system-level errors.
5. Help panels, prompt windows, and error messages.
6. Programming techniques to enhance productivity for original programmers and maintenance programmers.
7. The use of programmer tools for reducing the cost of design, coding, and documentation.
8. Coding operations that improve system performance, initialize new group jobs, and specify the use of a file information data structure.

Course Requirements

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

Written Tests/Quizzes	40%
Programs	50%
Class Participation	10%

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

Other Course Information

Prerequisite: CINS 113 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