

# **Common Course Outline**

CINS 113

RPG Programming/400

**3 credits: 2 Lecture Hours 2 Laboratory Hours**

## **The Community College of Baltimore County**

### **Description**

#### **Introduction to RPG/400 Programming**

Discusses writing of RPG computer programs to solve business problems such as payroll, general ledger and inventory applications.

3 credits: 2 lecture hours, 2 laboratory hours.

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. discuss RPG programming concepts;
2. understand coding and forms used in RPG;
3. apply control codes and control breaks;
4. demonstrate detail printing;
5. understand group indication;
6. demonstrate group printing;
7. explain the field/record relationship;
8. demonstrate table handling;
9. perform calculations in RPG;
10. explain the steps of RPG programming;
11. understand the fixed logic of RPG programming;
12. use and apply RPG compilation to locate and correct program errors; and
13. discuss the purpose of matching records and the techniques in processing multiple-input files.

### **Major Topics**

1. Writing programs in RPG.
2. Application of practical experience gained in order to solve routine data processing problems.
3. Preparation of documentation necessary for business applications.
4. Making modifications to existing RPG programs for the purpose of file maintenance.
5. Debugging programs using disk checking techniques and diagnostic message analysis.

## **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 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