

Global Learning Semesters

Course Syllabus

Course: COMP-251A Cobol/Program Development

Department: Computer Science

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
COMP-251A	Cobol/Program Development	3
Semester Offered	Contact Hours	Prerequisites
Please contact us	42-45	COMP-251A
Department	Level of Course	Language of Instruction
Computer Science	Lower Division	English

Course Description

Introduction to structured programming by means of the syntax and semantics of COBOL as a structured high-level programming language. The student will gain practical experience in system formulation, coding, debugging, and testing with emphasis on real-life business systems. Includes supervised structured laboratory exercises.

Prerequisites

COMP-251A

Topic Areas

1. Introducing COBOL as a structured language.
2. The four divisions in COBOL:
 - Identification
 - Environment
 - Data
 - Procedure.
3. How to design a structured program.
4. Moving data and printing information.
5. Computing using the four arithmetic verbs.
6. Conditional statements using IF.
7. Iteration using the Perform.
8. Printing groups of information according to keywords.
9. Using verbs for data validation.

Readings and Resources

Required Textbook

- Stern, Stern, Structured COBOL Programming, 8th ed., 1997, John Wiley & Sons. (ISBN: 0-471-17347-9).

Recommended Readings

- R. Yarmish, G. Wohl, Structured COBOL; A Direct Approach, 1993, Prentice Hall International. (ISBN: 13-042342-4).
- R. Serebreny, Structured PC COBOL for the 90s, 1993, Prentice Hall. (ISBN: 13-855859-0).