

MISSOURI WESTERN STATE COLLEGE
DIVISION OF LIBERAL ARTS AND SCIENCES

DEPARTMENT OF COMPUTER SCIENCE, MATHEMATICS, AND PHYSICS

COURSE NUMBER: CSC 245
COURSE NAME: COBOL Programming
COURSE DESCRIPTION:

Introduction to the structure and facilities of COBOL (COMmon Business OrientedLanguage) programming using structured programing techniques.

PREREQUISITE :
CSC 184 with a grade of C or better or CSC 110 with a grade of C or better.

TEXT:
Cobol for the 21st Century: Updated, Stern, Edition 11th 13, Wiley,
ISBN 9781118739532

- COURSE GOALS:
1. To learn elementary COBOL syntax for simple business applications.
 2. To learn structured programming concepts and style recommendations.
 3. To learn principles of business report design.

COURSE OBJECTIVES:

- I. Background Information
 - A. History of Programming Language Development
 - B. COBOL Compilation
 - C. Program Entry for Academic Computer
- II. Data Concepts
 - A. Variables
 - B. Literals
 - C. Figurative Constants
 - D. Hierarchy of Data
- III. Overview of a COBOL Program
 - Identification Division
 - Environment Division
 - Data Division
 - File Section
 - FD entry
 - Record description entries
 - Working-Storage Section
 - Procedure Division Beginning Elements
 - Open, Close, Stop Run Statements
 - Read Statement
 - Write Statement
 - Move Statement
 - Perform Statement
 - Paragraphing
 - Record and Report Design Concepts

- Editing
- Headings
- Arithmetic Statements
- Structured Program Development
 - Flow Charting
 - Module Number Conventions
 - Conditional Statements
 - Simple IF Statement
 - Relational test
 - Class test, with redefines statement
 - Sign text
 - Compound IF Statement
 - Nested IF Statement
 - Level 883
 - EVALUATE Statement
- Control Break Concepts
- Tables
 - Concepts
 - Processing
 - OCCURS clause
 - PERFORM statement expansions