Sault College
of Applied Arts and Technology
sault ste. marie

Course Outline

COBOL 1 and DOCUMENTATION

EDP113-8

New
~~revised~~ January 1983 - Jodi Wied

COURSE OUTLINE

PROGRAM OUTLINE: Electronic Data Processing

TITLE OF COURSE: Cobol 1 and Documentation   COURSE NO.: EDP113-8

INSTRUCTOR: Jodi Wied   DATE: January 1983

Length of Course:

7 periods per week for one semester.

Texts:

Fundamentals of Structured COBOL Programming by Carl Feingold

Other References:

1) Introduction to Computer Programming - Ansi Cobol
   Shelly and Cashman

2) Introduction to Flowcharting & Computer Programming Logic
   Shelly and Cashman

3) VAX11-780 COBOL Language Reference Manual and COBOL User's Guide
   (on file in work room)

Purpose:

This course will be taken in Semester 2 by students in the Data
Processing option of the Business program. This course must be taken
in conjunction with EDP107-2 Introduction to Operating Systems.

1) This course will provide students with an opportunity to develop
   their data processing skills by introducing them to the COBOL
   programming language. This language is the most widely used
   language in business data processing. Students will be exposed
   to most features of the language. This exposure will provide a
   foundation for more advanced study in Semesters 3 and 4.

2) Programming assignments will be designed to cover a variety of
   business applications.

3) Students will also be instructed in the preparation of adequate
   documentation. The knowledge which they gain in this area is to
   be displayed by the preparation of a binder* containing complete
   documentation of all assignments.

Student Evaluation:

The student's final grade will consist of the following components:

Tests (2 x 20)   40%
Term Work(program
    assignments)   30% + binder* 20%
Participation   10%
                             100%

Material to be covered:

REFERENCE	TOPIC	DESCRIPTION
Feingold Chapters 1, 2	1	Introduction -development of COBOL -advantages & disadvantages -ANSI COBOL -basic EDP concepts & hardware review
Feingold Chapters 3, 4	2	Characteristics of COBOL -coding format -character set -format notation -language elements -divisions of COBOL -sample COBOL program
Feingold Chapter 5	3*	Identification Division -purpose -required entries -optional entries
Feingold Chapter 5	4*	Environment Division -purpose -required entries -optional entries
Feingold Chapter 6	5*	Data Division -purpose -required entries -optional entries

REFERENCE	TOPIC	DESCRIPTION
Feingold Chapter 8	6*	Procedure Division -purpose -required entries -input-output verbs -data manipulation verbs -arithmetic statements -sequence control statements -simple conditions -compound conditions -nested conditions
Lecture Notes Feingold Chapter 15	7*	Cobol Programming Techniques -programming standards and documentation techniques -naming conventions -programming for efficiency

Feingold
Chapter 7
	8*	Structured Programming
		
		-history of program design
		   techniques
		-objectives of structured
		   programming
		-basic logic structures

*The following topics will be presented and applied in progressive steps through gradually more complex programming assignments