SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: COBOL 1 and DOCUMENTATION

Code No.: EDP113-8

Program: BUSINESS DATA PROCESSING

Semester: TWO

Date: 1984 01

Author: DENNIS OCHOSKI

New: _____ Revision: X

APPROVED: _____ 84.01.01
Chairperson Date

COBOL 1 AND DOCUMENTATION

EDP113-5

Length of Course:

7 periods per week for one semester

Texts:

Fundamentals of Structured COBOL Programming by Carl Feingold
- 4th edition

Other References:

1) Introduction to Computer Programming - Ansi Cobol

2) Introduction to Flowcharting & Computer Programming Logic
   Shelley 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 (3 x 20)	60%
Term Work (program assignments)	30%
Participation	10%
	100%

PROGRAM DEADLINES: Each program must be handed in ON TIME with CORRECT results = 50%

Deductions: -10 per day late
-40 if incorrect results and assignment MUST be corrected within ONE week of deadline and handed back in. = 50%

Balance of Marks:
- TECHNIQUES & STYLE
- EFFICIENCY
- DOCUMENTATION IN SOURCE PROGRAM
- THOROUGHNESS (Procedure & Test Data)

Material to be covered:

REFERENCE	TOPIC	DESCRIPTION
Feingold Chapter 1	1	Introduction - program design and development - development of COBOL - advantages and disadvantages - divisions of COBOL - ANSI COBOL - basic EDP concepts & hardware review
Feingold Chapter 2	2	Characteristics of COBOL - reference format - language elements - program structure - terms and names - writing a COBOL program using files - sample COBOL program

REFERENCE	TOPIC	DESCRIPTION
Feingold Chapter 3	3*	Identification Division - purpose - required entries - optional entries
Feingold Chapter 3	4*	Environment Division - purpose - required entries - optional entries
Feingold Chapter 4	5*	Data Division - purpose - required entries - optional entries
Feingold Chapter 5	6*	Structured Programming - history of program design techniques - objectives of structured programming - basic logic structures
Feingold Chapter 6	7*	Procedure Division - purpose - required entries - input-output verbs - data manipulation verbs - arithmetic statements - sequence control statemants - simple conditions - compound conditions - nested conditions
Feingold Chapter 16 Lecture Notes	8*	Cobol Programming Techniques - programming standards and documentation techniques - naming conventions - programming for efficiency

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