

Sault College
of Applied Arts and Technology
sault ste. marie

Course Outline

COBOL Programming I

EDP 102-8

revised Jan. 1979

*Revised
Jan. 1981*

COBOL PROGRAMMING I

EDP 102-8

TIME: 8 periods per week for 1 semester

TEXT: FUNDAMENTALS OF STRUCTURED COBOL PROGRAMMING - Feingold
INTRODUCTION TO FLOWCHARTING AND COMPUTER PROGRAMMING
LOGIC - Shelly and Cashman

AIM; This course will be taken in Semester 2 by students in the Data Processing option of the Business Administration program. This course must be taken in conjunction with EDP 101-4 DOCUMENTATION AND PROGRAM ORGANIZATION.

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 of the 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 be expected to apply the concepts and techniques taken in EDP 101-4 to these assignments.

STUDENT EVALUATION:

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

Tests (2 x 15)	30%
Term Work (Program Assignments)	40%
Participation	<u>30%</u>
	100%

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<u>REFERENCE</u>	<u>TOPIC #</u>	<u>DESCRIPTION</u>
Feingold Ch. 2	1	<u>Introduction</u> - development of COBOL - advantages and disadvantages - ANSI COBOL
Feingold Ch. 3 & 4	2	<u>Characteristics of COBOL</u> - coding format - character set - format notation - language elements - divisions of COBOL - sample COBOL program
Feingold Ch. 5	3	<u>Identification Division</u> - purpose - required entries - optional entries
Feingold Ch. 5	4	<u>Environment Division</u> - purpose - required entries - optional entries
Feingold Ch. 6	5	<u>Data Division</u> - purpose - required entries - optional entries
Feingold Ch. 7	6	<u>Structured Programming</u> - history of program design techniques - objectives of structured programming - basic logic structures

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<u>REFERENCE</u>	<u>TOPIC #</u>	<u>DESCRIPTION</u>
Feingold Ch. 8	7	<u>Procedure Division</u> <ul style="list-style-type: none">- purpose- required entries- input-output verbs- data manipulation verbs- arithmetic statements- sequence control statements- compiler directing statements- simple conditions- compound conditions- nested conditions- implied subjects and operators
Feingold Ch. 9	8	<u>Table Handling</u> <ul style="list-style-type: none">- use of tables- table definition- subscripting- indexing
Feingold Ch. 15	9	<u>COBOL Programming Techniques</u> <ul style="list-style-type: none">- programming standards- naming conventions- programming for efficiency