

Sault College of Applied Arts and Technology sault ste. marie

Course Outline

COBOL CASE STUDIES

EDP 204-6

revised JANUARY 1976
same for January 1979

COBOL CASE STUDIES
EDP 204-6

METHOD OF EVALUATION

Evaluation to be strictly on the product programmes turned in. This course in a cumulative course with SD&I and is to be taken concurrently. Programmes will be assessed as follows:

1. Number of runs from compile to completed execution.
2. Style of the programme - i.e. modularity, organization, logic, accuracy.
3. Style of documentation
4. Demonstrated ability to compile and correctly use the necessary techniques learned in SD&I.

Grading Procedure

85-100	A
75- 84	B
60-74	C
all below	D

Any programme not turned in will constitute an incomplete grade.

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OBJECTIVES:

- (i) To provide computer applications which simulate techniques and environmental conditions inherently present in the business world.
- (ii) To strive towards greater ease in manipulation and sophistication of the COBOL language compiler.
- (iii) To provide knowledge of all debugging aids and techniques currently available.

Case studies shall be designed so as to incorporate techniques and runs to:

- a) Edit input data using control parameters and estimated probable results.
- b) create sequential and indexed sequential I/O tape and disk files.
- c) make additions, changes and deletions to sequential, indexed sequential random access files, and direct files.
- d) sort input files and use sorted data as direct input.
- e) identify, describe and program a "merge" function.
- f) identify and program an "extract" function.
- g) match "detail" file to "master" file in a balance file function routine.
- h) update "master" file with "detail" file.
- i) find "file" records in "table."
- j) summarize a "data" file.
- k) be able to use all available debugging aids; i.e. TRACE, debug packets, USE ON statements, dumps, etc.
- l) use subroutines and rec. linkage.
- m) create and manipulate variable length files.
- n) learn and work in an S/P environment.
- o) create tables and use all levels of subscripting.
- p) learn and use the Report Writer feature of COBOL.
- q) incorporate efficient usage of utility programs.
- r) use all major utilities and techniques to complete a major systems project in a structured programming environment.