

A: Division: INSTRUCTIONAL DIVISION
B: Department: COMMERCE & BUSINESS ADMINISTRATION
Program: COMPUTER INFORMATION SYSTEMS

Date: SEPTEMBER 1995
New Course:
Revision of Course Information Form: MARCH 11, 1983

C: CISY 260 **D: ADVANCED COBOL** **E: 3**
Subject & Course No. **Descriptive Title** **Semester Credit**

F: Calendar Description: This course will provide the student with the advanced features of COBOL. Topics include structured and efficient COBOL programming techniques. Emphasis will be placed on table processing, file handling (sequential, indexed and direct organizations) and full screen I-O facilities. Students will write a number of programs which apply these techniques.

Summary of Revisions:
 1995-09 Section: C,F,G,M,N,O,P,R

G: Type of Instruction: Hours per Week/per Semester

Lecture	2	Hrs.
Laboratory		Hrs.
Seminar	2	Hrs.
Clinical Experience		Hrs.
Field Experience		Hrs.
Practicum		Hrs.
Shop		Hrs.
Studio		Hrs.
Student Directed Learning		Hrs.
Other		Hrs.
TOTAL	4	HOURS

H: Course Prerequisites:

CISY 230

I: Course Corequisites:

nil

J: Course for which this Course is a Prerequisite:

nil

K: Maximum Class Size:

35

L: College Credit Transfer: X
College Credit Non-transfer:

M: Transfer Credit:

Requested: X

Granted:

Specify Course Equivalents or Unassigned Credit as Appropriate:

UBC CPSC (3)

UNBC CPSC 200 (3)

UVic CSC 275 (1.5)

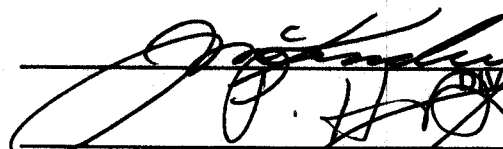
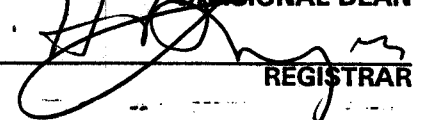
Other: Malaspina CSCI 250

Okanagan COSC 125 (3)

OLA CPSC (3)


 COURSE DESIGNER(S)

 DIRECTOR/CHAIRPERSON


 DIVISIONAL DEAN

 REGISTRAR

N: TEXTBOOKS AND MATERIALS TO BE PURCHASED BY STUDENTS
(Use Bibliographic Form):

Abel, Peter. COBOL Programming, A Structured Approach, Latest Ed.
Prentice-Hall.

O. COURSE OBJECTIVES

The student will be able to:

1. write structured COBOL application programs for business data processing;
2. write programs with multiple file handling (sequential, indexed and direct);
3. construct and manipulate static/dynamic tables and arrays;
4. design and write full screen user interfaces;
5. use proper business documentation standards.

P. COURSE CONTENT

1. Review of expected knowledge from pre-requisites of the language, development environment, control breaks and page breaks.
2. Structured programming concepts and rules.
3. Single and multiple dimension tables/arrays (declaring, accessing, entering data, searching, manipulating).
4. File organizations and concepts.
5. Sequential I-O and the Balance Line Algorithm.
6. Indexed file processing.
7. Direct file processing and hashing functions
8. Internal and external sorting.
9. Full Screen I-O.

10. Miscellaneous topics:

- DeMorgans rule
- subprograms and linkage
- copy facility
- data manipulation commands
- varying length records

Q. METHOD OF INSTRUCTION

The concepts and techniques will be discussed in class and the students will then write, key, compile and test their own programs.

R. COURSE EVALUATION

Assignments	25%-30%
In-class test(s)	10%-15%
Mid-term Examination	25%-30%
Final Examination	<u>25%-30%</u>
Total	<u>100%</u>