

Sault College  
of Applied Arts and Technology  
sault ste. marie

Course Outline

COMPUTER PROGRAMMING  
AND APPLICATION

EDP 200-4

revised                       
                    JANUARY 1978

*Revised  
01/81*

COMPUTER PROGRAMMING & APPLICATION  
EDP 200-4

Pre-Requisite - EDP 100-5

Time - 4 periods per week for 1 semester

Text - Computers and Management (In a Changing Society)  
Donald H. Sanders

Aim - This course is taken in Semester II by students in the Accountancy option. The course is intended to provide students with a broader insight in to the application of computers in a business environment. By examining the material presented in this course the student will develop his/her skills as outlined below.

1. A clearer appreciation of the capabilities of the computer-what it can and cannot do !!
2. An understanding of the managerial and social implication of computer usage.

Note - Considerable importance will be placed on readings related to this subject. Source readings are available in the text. Students will also be expected to seek additional sources.

Student Evaluation - The student's final grade will be developed from the following components.

Tests (4@15)	60
Assignments	15
Participation	25
	<u>100%</u>

1. Any student who fails to achieve 50% will be required to attend the make-up period at the end of the term.
2. Any student who fails to write a test at the time it is scheduled must present a written excuse acceptable to the instructor.
3. Failure to complete any assignment on time will result in a mark of zero for that assignment.
4. Students whose work is consistently below standard may be given an "R" grade and not allowed the benefit of the make-up period.

## COMPUTER PROGRAMMING & APPLICATION

<u>Topic</u>	<u>Chapter</u>	<u>Description</u>
1		<u>Fortran Programming</u> -Continuation from first semester -2 programs chosen by the student and related to accounting
2	1	<u>Management Information</u> -concepts -need for management information -evolution of information processing -readings
3	2	<u>The Information Revolution</u> -environmental changes -technological changes -Management Information Systems -Problems and Issues -readings
TEST #1 - Chapter I and II and readings		
4	3	<u>Computer Implications for Management</u> -Management Functions -planning, organizing, staffing, controlling - implications -economic implications -social implications -readings
5	4	<u>Planning for Computers</u> -Nature of the Systems Study -Systems Study Approach -readings
TEST #2 - Chapters III and IV and readings		
6	5	<u>Organization and the Computer</u> -organization structure -advantages and disadvantages of Centralized/De-Centralized Data Processing -Organizational Locations and Composition -Impact on future organization -readings

- 7            6            Staffing and the Computer  
-Motivating computer personnel  
-Resistance to change  
-Displacement planning  
-readings

TEST #3 - Chapters V and VI and readings

- 8            7            Control and the Computer  
-Managerial Control  
-Internal Control  
-Administrative Controls  
-Data Controls  
-readings

- 9            8            Computers in Society  
-Organizations and Computers  
-Individuals and Computers  
-Selected Computer Uses in Society  
-readings

TEST #4 - Chapter VII and VIII and readings