SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

COURSE TITLE:	SYSTEM PROTOTYPING AND PRESENTATION 2
CODE NO.:	EDP326 **SEMESTER:** SIX
PROGRAM:	COMPUTER PROGRAMMER ANALYST
AUTHOR:	WIL DEBRUYNE
DATE:	JANUARY, 1993
PREVIOUS OUTLINE DATED:	JANUARY, 1992

New:_____ Revision: X

APPROVED: _____ Jan '93
DEAN, SCHOOL OF BUSINESS & HOSPITALITY **DATE**

SYSTEM PROTOTYPING & PRES. 2 — COURSE NAME

EDP326 — COURSE CODE

TIME: 4 hours/week

RESOURCE: Manuals, (available for reference in student work room) and Teacher Notes

AIM:

This course builds on the student's previously obtained knowledge from EDP108 (Introduction to Systems Analysis and Design) and EDP307 (System Prototyping and Presentation). The student has gained insight into the advantages and the disadvantages of using the traditional life cycle methodology and prototyping to deliver computer based systems.

The student will use the CASE tool Excelerator to assist them in planning, analysis, design, documentation, and construction of a computer based information system, in accordance to one or more software engineering methodologies.

MODULE OBJECTIVES:

Module 1:

Begin the PROTOTYPING PROCESS for the defined class project. The class will be divided into small groups in which each member will be an equal contributor to the project. Each member in the group will take turns as a project leader. At the end of the term, the project will be evaluated on a set criteria and assigned a mark. The mark for each individual will most likely deviate from the assigned project mark because each group member will evaluate each group member's performance over the life of the project. Based on the marking system that will be described in detail to you, it will be possible to hold the same mark, receive a lower mark or higher mark than the assigned mark to the project.

The project package will contain the following components:

1. Tender, estimating the total time to complete the system
2. Information service request and problem statement
3. Data flow diagrams

4. Process specifications
5. Structure charts
6. System flowchart
7. File specifications
8. Screen layouts
9. Report layouts
10. Forms
11. Source code with internal documentation
12. System procedures/user's guide

Module 2:

The following components of the Execerator package will be articulated:

- creating child d.f.d.
- describing objects previously described
- changing levels
- process specs.
- control transforms
- d.f.d. analysis
- d.f.d. reports
- creating structure charts
- desc. functins and modules
- system flowcharts
- create data dictionary entries from graphics
- using XLD
- prototyping
- project analysis reporting

SYSTEM PROTOTYPING & PRESENTATION 2 EDP326

A) Grading:

A+	90-100%
A	80- 89%
B	70- 79%
C	55- 69%
R	0- 54%

B)

Test	1 @ 30%
Project	1 @ 65%
Participation	@ 5%

NOTE: Students are expected to attend classes regularly, participate in class discussion, conduct themselves and treat their peers and instructors in a professional business-like manner throughout any school dealings.

Late assignments are subject to a zero grade unless the student has prior permission from the instructor to hand the assignment in at a later date. Test must be written on the assigned time and date. Students will receive a mark of zero if they miss a scheduled test unless the student and instructor have a prearranged contract to write the test after or before the scheduled test time.

THERE WILL BE NO RE-WRITES!