

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

COURSE TITLE: SYSTEM PROTOTYPING AND PRESENTATION II

CODE NO.: EDP326 SEMESTER: SIX

PROGRAM: COMPUTER PROGRAMMER ANALYST

AUTHOR: WIL DEBRUYNE

DATE: JANUARY, 1994

PREVIOUS OUTLINE DATED: JANUARY, 1993

New: _____ Revision: X

APPROVED: DEAN, SCHOOL OF BUSINESS & HOSPITALITY _____
DATE

SYSTEM PROTOTYPING & PRESENT. II

EDP326

COURSE NAME

COURSE CODE

TIME: 4 hours/week

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

AIM:

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

MODULE 1:

The project (to be announced). Each group will ensure that the system meets the full system specification and user requirements.

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 the OTHER group members' 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 and receive the following marking factor:

1. Tender, estimating the total time to complete the system..... 2%
2. Information service request and problem statement..... 2%
3. Data flow diagrams and data model diagrams.....15%
4. Process specifications.....10%

SYSTEM PROTOTYPING & PRESENTATION II

EDP326

5.	Structure charts.....	3%
6.	System flowchart.....	3%
7.	File specifications.....	5%
8.	Screen layouts.....	5%
9.	Report layouts.....	5%
10.	Forms.....	5%
11.	Source code with internal documentation.....	6%
12.	System procedures/users guide.....	5%

Other Factors:

1.	Functionality	20%
2.	Project Presentation.....	8%
3.	System Testing.....	6%

100%

MODULE 2:

Using EXCELERATOR, the student will be able to:

- get into excelerator and initialize profiles
- print, save, backup and exit excelerator files
- create structured charts
- create system flowcharts
- create data flow diagrams
- explode data flow diagrams
- create a data dictionary
- analyze the data flow and data model diagrams and data dictionary for completeness
- create entity-relationship diagrams
- perform general drawing techniques, moving, copying, deleting, adding additional text and lines on a drawing, screen refreshing
- prototype

STUDENT EVALUATION:

A) The student's final grade will be determined from the following components:

Tests (1 @ 20%)	20%
Report & Presentation	10%
Major Project	70%

Student Evaluation: cont'd

B) Grading:

A+	90-100%
A	80- 89%
B	70- 79%
C	60- 69%
R	Repeat - Under 60%

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!