

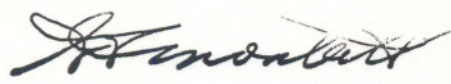
SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Outline: INTRODUCTION TO 4TH GENERATION LANGUAGE 'POWERHOUSE'
Code No.: EDP 227
Program: PROGRAMMER/PROGRAMMER ANALYST
Semester: FOUR
Date: JANUARY, 1986
Author: W. DEBRUYNE

New: _____ X _____ Revision: _____

APPROVED:



Chairperson

86-01-06

Date

INTRO TO 4TH GENERATION LANGUAGE

EDP 227

Course Name

Course Number

TIME: 3 hours per week

TEXT: Teacher Notes, Manuals

AIM: Students will be introduced to a "fourth generation" language, "POWERHOUSE" and obtain an insight into the gains in programming productivity over traditional "third generation" languages such as COBOL.

OBJECTIVES:

When this course is completed, the student will be able to:

1. Use PHD effectively as an applications programmer.
2. Define a data dictionary.
3. Use quick and quiz features of Powerhouse.
4. Implement a powerhouse application.
5. Work effectively in a project team environment.
6. Understand the evaluation of 4th Generation Languages.
7. Understand concept of prototyping.

STUDENT EVALUATION:

The student's final grade will consist of the following:

- | | |
|----------------------------|-------|
| - 3 tests (each 15%) | @ 45% |
| - attitude/participation | @ 7% |
| - 4 assignments (each 12%) | @ 48% |

100%

A	-	80	-	100%
"B"	=	70	-	79%
"C"	=	55	-	69%
"R"	=	0	-	54%

NOTE: Attitude and participation marks will be awarded for the manner in which the student interacts with fellow classmates and teaching masters related to the course of study. Students are expected to conduct themselves in a professional business-like manner, demonstrating team spirit and respect for those in their environment of study.

COURSE SCOPE:

The course will begin with a brief overview of the Powerhouse language. The class will then work on a hands-on predefined application which will give a base for the potential of Powerhouse. Students will be expected to make use of accompanying manuals.

The remainder of the course will be devoted to group projects. The projects have a three-fold purpose:

- 1) Students will gain a working knowledge of the Powerhouse language through the implementation of a practical application.
- 2) Compare COBOL applications (simple) to POWERHOUSE applications.
- 3) Use the PROTOTYPING technique to design a simple business application.