SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OULITNE

COURSE OUTLINE: STRUCTURE PROGRAMMING DEVELOPMENT

CODE NO.:   CET 129-3

PROGRAM: COMPUTER TECHNOLOGY

SEMESTER: TWO

DATE: DECEMBER, 1986

AUTHOR: ENO LUDAVICIUS

NEW: __X__   REV.: _____

APPROVED: _____   _____
                 CHAIRPERSON   DATE

CALENDER DESCRIPTION

STRUCTURED PROGRAMMING DEVELOPMENT   CET 129 - 3
COURSE NAME   COURSE NUMBER

PHILOSOPHY/GOALS:

THE OBJECTIVE OF THIS COURSE IS TO PROVIDE THE STUDENT
WITH A FIRM BASE OF VAX/VMS CONCEPTS AND STRUCTURED
PROGRAMMING CONCEPTS. THE STUDENT IS TAUGHT THE
FUNDAMENTALS OF VAX USAGE THROUGH THE STUDY OF DCL
PROGRAMMING TECHNIQUES AND THE USE OF VAX UTILITIES.
THE STUDENT IS ALSO TAUGHT THE BASIC STRUCTURED
PROGRAMMING CONCEPTS BY APPLYING THEM TO BASIC AND
MC6800 MACHINE LANGUAGE PROBLEMS FROM CET122 AND CET120.
LASTLY, THE STUDENT WILL STUDY THE TOOLS USED IN SYSTEMS
ANALYSIS AND PROGRAMMING AND THEIR APPLICATIONS.

METHOD OF ASSESSMENT (GRADING METHOD):

THE STUDENT WILL BE ASSESSED IN THE FOLLOWING MANNER:

  1)THREE WRITTEN TESTS WORTH 20% EACH.

  2)PROJECTS & ASSIGNMENT WORTH 40% .

TEXTBOOK(S):

1)INTRODUCTION TO VAX/VMS - T.C.SHANNON

2)TOOLS AND TECHNIQUES FOR STRUCTURED SYSTEMS
   ANALYSIS AND DESIGN   - W.S.DAVIS

3)VAX/VMS VOL. 2 - DCL DICTIONARY - DIGTIAL

CET 129 - 3

STRUCTURED PROGRAMMING DEVELOPMENT

GENERAL OUTLINE

BLOCK 1 - VAX/VMS CONCEPTS

    1.1) VAX FEATURES - HARDWARE & SOFTWARE

    1.2) INTRODUCTION TO TERMINAL OPERATIONS & DCL

    1.3) VAX FILE STRUCTURE & MANLIPULATION

    1.4) CONTROLLING & MODIFYING THE OPERATING ENVIRONMENT

    1.5) USING DCL COMMANDS IN COMMAND PROCEDURES

    1.6) USING EDT & EVE TEXT EDITORS

    1.7) INTRODUCTION TO TEXT PROCESSING

    1.8) VAX UTILITIES AND OTHER USEFUL FACILITIES

BLOCK 2 - TOOLS & TECHNIQUES FOR STRUCTURED SYSTEMS
ANALYSIS AND DESIGN

    2.1) STRUCTURED SYSTEMS ANALYSIS AND DESIGN

    2.2) THE FEASIBLITY STUDY

    2.3) DATA FLOW DIAGRAMS

    2.4) DATA DICTIONARIES

    2.5) SYSTEM FLOWCHARTS

    2.6) HIPO WITH STRUCTURED ENGLISH

    2.7) PSEUDOCODE

    2.8) PROGRAM LOGIC FLOWCHARTS

    2.9) PERT AND CPM

    2.10) DECISION TABLES AND DECISION TREES