

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Outline: INTRODUCTION TO OPERATING SYSTEMS

Code No.: EDP 111-4

Program: Programmer

Semester: 2

Date: January, 1986

Author: R. D. Lailey

New: X Revision: _____

APPROVED:

R. D. Lailey
Chairperson

86-01-07
Date

** Replaces EDP 107-3

Introduction To Operating Systems

EDP 111-4

Course Name

Course Number

Time: 4hrs/week

Objectives:

1. To provide the student with a firm understanding of the many facets related to the operation of a medium-sized computer facility. Concepts from hardware, software and personnel standpoints are examined from the perspective of the knowledge needed by an experienced computer operator.
2. To provide the student with a clear understanding of the general structure and functions of the VAX/VMS Operating System. The student will be expected to comprehend the material normally covered in a VAX/VMS Concepts course.

Student Evaluation

Grading

Tests (20% x 3)	60 %	A - 80-100
Assignments/Quizzes	30 %	B - 70-79
Attendance/Participation	<u>10 %</u>	C - 55-69
	100 %	R - 0-54

- Note:**
1. A student who has achieved an average grade of 75 % or better on the first 2 tests will be exempted from writing the 3rd test.
 2. Each assignment must be handed in on time. Late assignments will be subject to a 10 % deduction per day late.

Topic Outline

Module 1 - Basic Computer Concepts

(Weeks 1-3)

1. Putting Data Processing Into Perspective (Ch. 1, 8 & 21)
2. Personnel Within A Data Processing Organization (Ch. 2 & 3)
3. Operating A Computer (Ch. 4 & 5)
- A quick summary of basic concepts and "BUZZ" words

Module 2 - Hardware Concepts

(Weeks 4-6)

1. Central Processing Unit Functions (Ch. 6)
- console operation
2. Magnetic Media (Disk, Tape, Main Storage) (Ch. 7 & 8)
- operating procedures (Lecture Notes)
3. Printer Operation (Ch. 10)
(Lecture Notes)
4. Hardware Summary (Ch. 11)
(Lecture Notes)

Module 3 - VAX/VMS Concepts (Part 1)

(Weeks 1-6)

1. Vax II/780 Overview (Lecture Notes)
2. Data Representation (Lecture Notes)

Test # 1 - Modules 1-3

Date:

***** MID-TERM BREAK *****

Topic Outline Con't

Module 4 - Software Concepts

(Weeks 7-9)

1. Basic Software Concepts
2. Advanced Software Concepts

(Ch. 12 & 18)

(Ch. 13 & 20)

Module 5 - VAX/VMS Concepts (Part 2)

(Weeks 7-12)

1. Operating System Overview
2. Process Structure
3. Exceptions & Interrupts
4. Memory Management

(Lecture Notes)

(Lecture Notes)

(Lecture Notes)

(Lecture Notes)

TEST # 2 - Modules 4 & 5

Date:

Module 6 - Operation Concepts

(Weeks 13-15)

1. Operating Techniques/Procedures
2. System Utilities
3. Data Security
4. Operating Small Computers

(Ch. 14, 15 & 16)
(Lecture Notes)

(Ch. 19)

(Ch. 17)
(Lecture Notes)

(Ch. 21)

TEST # 3 - Modules 1-6

Date:

- 60 % from Module 6
- 20 % from Module 5
- 20 % from Modules 1-4