SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: Operating Systems II

Course No.: CSO101

Program: 1st Year Common Computer Programs

Semester: Second (2)

Date: January 1997

Author: Willem de Bruyne/Peter Savich

Previous
Outline Dated: January 1996

APPROVED: Joseph C Fruchter _____ 97 01 03
Dean Date

OPERATING SYSTEMS II CSO101

COURSE OUTLINE

PREREQUISITES: CSO100

LENGTH OF COURSE: 4 HOURS PER WEEK

TOTAL CREDITS: 5

I. PHILOSOPHY/GOALS

This course extends the students capabilities with VMS and DOS operating systems to enable them to write programs using the COMMAND STRUCTURES of the systems. The student will also become proficient users of WINDOWS, and will become familiar with the Windows accessories.

II. STUDENT PERFORMANCE OBJECTIVES (OUTCOMES):

Upon successful completion of this course the student will be able to:

1. Write programs using DCL that utilize advance features of the VMS operating system.
2. Write DOS batch files and use advanced features of the operating system.
3. Utilize Windows to run programs, manage files, and organize the Windows environment.
4. Utilize the Windows accessory programs including Write, Paintbrush, Recorder, Notepad, Calendar, Cardfile and Calculator.

III. TOPICS TO BE COVERED:

1. Writing VMS command procedures.
2. Advanced DOS.
3. Using Windows.
4. Windows accessories.

IV. LEARNING ACTIVITIES

BLOCK 1 COMMAND PROCEDURES

Upon successful completion of this block the student will have learned to:

1. Discuss the VMS process, and ways in which command procedures can interact with each other and the user.

2. Use logical names, symbols, lexical functions in VMS, and be able to use them in command procedures.

3. Describe the operation of, and be able to write command procedures using DCL that incorporate the following techniques:

   Input and output from the terminal
   File input and output
   Error handling
   Debugging

BLOCK 2 Advanced DOS

Upon successful completion of this block the student will have learned to:

1. Discuss the process DOS follows when running programs, and the ways in which batch files can interact with each other and the user.

2. Describe the operation of and be able to write batch files using the following DOS commands: cls, rem, echo, pause, call, if. goto, shift, for, choice.

3. Discuss and be able to use the following DOS pipes, filters, and features: redirection, more, sort, and find in batch files.

BLOCK 3 Using WINDOWS

Upon successful completion of this block the student will have learned to:

1. Describe the general organization of windows, and how it provides an interface between the user and DOS.

2. Discuss the general organization of the Windows desktop, and describe the components.

3. Describe the various ways that programs can be run in the Windows environment.

4. Discuss the use of the program Manager, and be able to use it to customize the Windows desktop.

5. Use the File Manager to manage file operations, and be able to compare the operations those used in the DOS environment.

6. Discuss the use of the Control Panel and the Print Manager, and be able to use them to manage Fonts and print operations.

7. Discuss Linking and Embedding, and be able to demonstrate it.

BLOCK 4 USING WINDOWS ACCESSORIES

Upon successful completion of this block the student will have learned to:

1. Discuss the group of accessory programs that come with windows, and their uses.

2. Become competent users of the following programs: Write, Paintbrush, Notepad, Calendar, Cardfile, and Calculator.

V. REQUIRED RESOURCES:

1. SmartStart WINDOWS 3.1 by Michele Reader.

2. "The VMS USER'S GUIDE" by Peters and Holmay (Digital Press)

3. DOS 6.22 SIXTH EDITION Peter Norton's Complete Guide

VI. METHOD OF EVALUATION

15% DCL QUIZ
15% DOS QUIZ
30% WINDOWS TEST
36% 3 ASSIGNMENTS at 12 % each.
4% Participation

* The instructor reserves the right to adjust the number of tests, practical tests and quizzes based on unforseen circumstances. The students will be given sufficient notice to any changes and the reasons thereof.

* Attendance:
Absenteeism will affect a student's ability to succeed in this course. Attendance is encouraged because many things are discussed and learned that may not be specifically evaluated on tests. Absences due to medical or other unavoidable circumstances should be discussed with the instructor, so that comparable activities can be scheduled.

1. TESTS
Written tests will be conducted as deemed necessary; generally at the end of each block of work. They will be announced about one week in advance. Practical on-line tests will be conducted in which time to complete the assigned problems will be a factor in the evaluation.

2. ASSIGNMENTS
Late assignments are subject to a ZERO grade unless PRIOR consent is granted by the instructor.

3. GRADING SCHEME

A+	90 - 100%	Outstanding achievement
A	80 - 89%	Excellent achievement
B	70 - 79%	Average Achievement
C	60 - 69%	Satisfactory Achievement
R	Repeat	
X	A temporary grade that is limited to instances where special circumstances have prevented the student from completing objectives by the end of the semester. An X grade must be authorized by the Chairperson. It reverts to an R if not upgraded in an agreed-upon time, less than 120 days.	