

INTRODUCTION TO OPERATING SYSTEMS

CSO100

COURSE NAME

COURSE CODE

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: **OPERATING SYSTEMS 1**

Code No.: CSO100

Program: CPA/CET/CNT/CSST

Semester: One

Date: FALL 1997

Author: Willem de Bruyne

Date: May 1997 Previous Outline Dated: Sept 1996

APPROVED: _____
Dean Date

TOTAL CREDITS: 5

PREREQUISITES: NONE

LENGTH OF COURSE: 5 hours per week

2 - 1 hour theory classes

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1 - 2 hour lab
1 - 1 hour lab

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TOTAL CREDITS: 4

PREREQUISITE(S): NONE

I. COURSE DESCRIPTION:

Students will learn how to use a popular windows based e-mail software package to use as a communication tool to send/receive e-mail with other students, faculty, administration, and the rest of the world that have Internet e-mail addresses.

The students will also become familiarised with the college lab configuration. Knowing where to find files, what privileges they have, passwords, disk drives and directory structures.

The course will cover all the really important issues of the Windows interface. Everything from menus, dialog boxes, the Program Manager, Managing Files and Disks in Windows, using Excessories, right to OLE.

The course will also focus on the PC computer system using the DOS operating system, and understanding why DOS is still important to know. The student will learn how to issue DOS commands and from the command prompt. The students will be able to compare and contrast the DOS with Windows.

Students will also be introduced the MS Word word processing package, covering all the fundamental concepts to create, edit, and enhance documents.

Students will also be introduced to the Internet, and gain an understanding of what is going on with the Information Superhighway.

II. TOPICS TO BE COVERED:

1. E-mail.
2. Disk and File essentials, network configuration.
3. Windows fundamentals.
4. Introduction to the Internet.
5. Word Processing fundamentals.
6. DOS Commands.

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III. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

A. Learning Outcomes:

1. Demonstrate the use of e-mail and use many of its enhanced features.
2. Demonstrate knowledge of disk, directory and file structures, as well as understanding the lab configuration at the college.
3. Demonstrate the use of Windows.
4. Demonstrate the use of the Internet to research topics using INTERNET Tools.
5. Demonstrate the use of MS Word to create, edit and enhance documents.
6. Demonstrate knowledge of DOS fundamentals and commands.

B. Learning Outcomes and Elements of the Performance:

Upon successful completion of this course the student will demonstrate the ability to:

1. Demonstrate the use of e-mail and use many of its enhanced features.

Elements of the performance:

- o Learn to use the electronic mail program in our college environment to send and retrieve mail.
- o Learn to use the comprehensive and powerful features and capabilities of the package.
- o Set up network configuration for e-mail.
- o Set up advanced configuration options.
- o Use the clipboard.
- o Print mail messages.
- o Select fonts.
- o Send and receive mail messages, including attachments.
- o Setting POP3 password.
- o CC and BCC reply to addressing support.
- o Automatically keep copies of all outgoing mail.
- o Message encryption.
- o Use the editor and speller.
- o Delivery and proof of reading confirmation support.
- o Distribution lists.
- o Folder organization.
- o POP3/SMTP mail protocols.

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2. Demonstrate knowledge of disk, directory and file structures, as well as understanding the lab configuration at the college.

Elements of the performance:

- create, change, and remove directories.
- adopt appropriate file naming conventions for file names and file extensions and recognise files that would be ASCII text files, word processing files, executable files, batch files or system files upon examination of the three character file extension
- copy files and moving files
- list files
- switching drives
- rename files
- delete files and directories
- use the on-line help
- understand the Sault College main menu
- understand the file serves and basic network configuration used at the college

3. Demonstrate the use of Windows.

Elements of the performance:

- Describe the general organization of windows, and how it provides an interface between the user and DOS.
- Discuss the general organization of the Windows desktop, and describe the components.
- Describe the various ways that programs can be run in the Windows environment.
- Discuss the use of the program Manager, and be able to use it to customise the Windows desktop.
- Use the File Manager to manage file operations, and be able to compare the operations those used in the DOS environment.
- Discuss the use of the Control Panel and the Print Manager, and be able to use them to manage Fonts and print operations.
- Discuss Linking and Embedding, and be able to demonstrate it.
- Discuss the group of accessory programs that come with windows, and their uses.
- Use Write, Paintbrush, Notepad, Calendar, Cardfile, and Calculator.

4. Demonstrate the use of the Internet to research

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topics using INTERNET Tools.

Elements of the performance:

- o Know what the INTERNET is and how it works.
- o Demonstrate an understanding of the Internet architecture, the protocols, and addressing.
- o Sign on to the Internet.
- o Subscribe to listservs, news groups.
- o Use the popular graphic browser, NETSCAPE.
- o Understand and utilize a variety of Internet tools such as, FTP, GOPHER, and TELNET.
- o Utilize the World Wide Web to access resources from one common interface.
- o Perform a variety of searches using some popular search engines.
- o Understand the WWW client/server arrangement, and the HTML format of information.

5. Demonstrate the use of MS Word to create, edit and enhance documents.

Elements of the performance:

- open a file, close a file, save a file produced using the word processing package
- edit the text within the file as to: bold, underline, italics, font type, font size
- edit the document as to format: margins, line spacing, centre, flush right, justification (left, right, centre, full), indent, page numbering
- use the editor provided by the word processing package for producing headers and footers
- use the spell check (both main and supplementary), and thesaurus tools provided by the word processing package
- type text that requires superscript and subscript and normal font selections
- insert graphic images into the file. (either graphic documents part of the word processing package or others such as *.bmp, *.gif, *.pic). Move, and re-size the graphic images.
- Zoom in and out the page size.
- print the document (full or current page) using the print control feature provided by the word processing package

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- discuss the difference between ASCII text files and word processing files and how to convert files into another format when opening or saving files.
6. Demonstrate knowledge of DOS fundamentals and commands.

Elements of the performance:

- o Demonstrate an understanding of DOS basics, what it is, and what it does.
- o Use and demonstrate DOS Features and understand File Handling / Disk Management.
- o Use and demonstrate Tree-structured Directory Systems.
- o Demonstrate the ability to Manage various devices.
- o Show an understanding of what the File Allocation Table is and Configure systems.
- o Demonstrate the ability to Manage directories, files and run programs.
- o Demonstrate the use of the variety of DOS Commands from the DOS prompt.
- o Demonstrate the use of the DOS editor.

IV. EVALUATION METHODS:

The mark for this course will be arrived at as follows:

o E-mail Quiz	10%
o Drives/Directories/Files/Configuration Quiz	5%
o Windows Quiz	10%
o Internet Quiz	20%
o Word Processing Quiz	15%
o DOS Quiz	10%
	70%
o Windows Assignment	10%
o Internet Assignment	10%
o Word Processing Assignment	10%
	30%

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The grading scheme used will be as follows:

A+	90 - 100%	Outstanding achievement
A	80 - 89%	Excellent achievement
B	70 - 79%	Average achievement
C	55 - 69%	Satisfactory achievement
R	Repeat	
X	Incomplete.	

V. SPECIAL NOTES

1. In order to pass this course the student must obtain an overall **test/quiz** average of 60% or better.
2. Assignments must be submitted by the due date according to the specifications of the instructor. Late assignments will normally be given a mark of zero. Late assignments will only be marked at the discretion of the instructor in cases where there were extenuating circumstances.
3. The instructor reserves the right to modify the assessment process to meet any changing needs of the class. Consultation with the class will be done prior to any changes.
4. The method of upgrading an incomplete grade is at the discretion of the instructor, and may consist of such things as make-up work, rewriting tests, and comprehensive examinations.
5. Students with special needs (eg. physical limitations, visual impairments, hearing impairments, learning disabilities) are encouraged to discuss required accommodations confidentially with the instructor.
6. Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of students.

VI. REQUIRED STUDENT RESOURCES

Text:

- o E-mail On-line help, teacher notes.
- o Windows 3.1 Second Edition SmartStart, Michele Reader, Que College ISBN:0-7897-0010-7
- o MS-DOS SmartStart The Step-By-Step Approach, LoriLee M. Sadler, Que College, ISBN: 1-56529-249-9
- o Using Netscape 2 for Windows, The Fast and Easy Way to Learn, Peter Kent, Que, ISBN: 0-7897-0728-4
- o Word 6 FOR WINDOWS, Second Edition, Que E&T, Susanne Weixel, ISBN: 1-57576-339-7

VII. PRIOR LEARNING ASSESSMENT:

Students who wish to apply for advanced credit in the course should consult the instructor.