

PREREQUISITES: CSO100

LENGTH OF COURSE: 4 HOURS PER WEEK

TOTAL CREDITS: 5

I. Course Description:

This course is divided into three operating systems modules that will focus on: D.O.S. internal and external commands, and the writing of Batch files; UNIX (Linux) and its essential command set and environment, and the writing of Scripts; Windows 95 focusing on the Explorer, Control Panel, Network Neighborhood, and file management.

Important Note: Your main means of communication with your instructors outside of class time is via e-mail. You are expected to read your e-mail at least once per day, but strongly encouraged to read your e-mail several times per day. Test times and dates, helpful tips and arranging tutor times with instructors will be arranged via e-mail if it is not established during class time. If you are going to be late or miss a class, you are expected to give your instructor an e-mail indicating your absents or tardiness.

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.

II. LEARNING OUTCOMES AND ELEMENTS OF PERFORMANCE:

A. Learning Outcomes:

- 1. Demonstrate writing DOS batch files, understanding Path, Internal/External commands, and the purpose of the Autoexec.bat and Config.sys files.**
- 2. Demonstrated writing UNIX scripts and understanding the basic command set of the operating system.**
- 3. Demonstrate the abilities to utilize Windows 95 to run programs, manage files, understand the Control Panel and Network Neighborhood.**

B. Learning Outcomes with Elements of Performance:

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

1. Demonstrate writing DOS batch files, understanding Path, Internal/External commands, and the purpose of the Autoexec.bat and Config.sys files.

Potential elements of performance:

- Discuss the process DOS follows when running programs, and the ways in which batch files can interact with each other and the user.
- 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.
- Discuss and be able to use the following DOS pipes, filters, and features: redirection, more, sort, and find in batch files.
- Understand directory structures and the full path to files.
- Demonstrate the processes for compressing/uncompressing a file.
- Create a bootable disk and describe the function of IO.SYS, MSDOS.SYS, COMMAND.COM. Focus on Format C: Format A:/S and SYS A:
- Discuss the purpose of the Autoexec.bat and Config.sys files.

2. Demonstrated writing UNIX scripts and understanding the basic command set of the operating system.

Potential elements of performance:

- Describe the basic Unix commands.
- Creating and moving through directories.
- Managing files.
- Work with the standard input and output; pipes, concepts, redirection
- Editing of files
- Understand file types, regular files, links, directory, and hidden.

3. Demonstrate the abilities to utilize Windows 95 to run programs, manage files, understand the Control Panel and Network Neighborhood.

Potential elements of performance:

- Describe the general organization of Windows 95 environment.
- Creating and Organizing folders
- Use Windows Explorer to manage file operations, moving, copying and deleting.
- Discuss the use of the Control Panel, Task Bar and the Print Manager, and be able to use them to manage their environment.
- Find files.
- Caring for files and disks.

V. REQUIRED RESOURCES:

- Check with instructor.

VI. METHOD OF EVALUATION

22%	DOS QUIZ
22%	UNIX QUIZ
22%	WINDOWS QUIZ
8%	DOS ASSIGN.
8%	UNIX ASSIGN.
8%	WINDOWS ASSIGN.
8%	Comparison of the operating systems)
2%	Participation

1. **TEST** 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 may 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	