

**NOS 120**  
**LINUX/UNIX SINGLE USER**

**COURSE DESCRIPTION:**

Prerequisites: None

Corequisites: None

This course develops the necessary skills for students to develop both GUI and command line skills for using and customizing a Linux workstation. Topics include Linux file system and access permissions, GNOME Interface, VI editor, X Window System expression pattern matching, I/O redirection, network and printing utilities. Upon completion, students should be able to customize and use Linux systems for command line requirements and desktop productivity roles. Course Hours Per Week: Class, 2. Lab, 2. Semester Hours Credit, 3.

**LEARNING OUTCOMES:**

Upon completion of this course, students will be able to:

- a. Become familiar with the Linux desktop and basic tasks
- b. Utilize Linux in physical and virtual environments
- c. Find appropriate assistance with installation or configuration problems
- d. Describe the directory structure of the Linux file system
- e. Manipulate file and directories
- f. Utilize the shell and command line interface to perform tasks
- g. Describe regular expressions and implement basic examples
- h. Create and manage users, groups, and their file system permissions
- i. Edit configuration files with command line and graphical editors
- j. Manage software installation with package management tools

**OUTLINE OF INSTRUCTION:**

- I. Linux desktop introduction
  - a. X-windows
  - b. GNOME and KDE environments
  - c. Access GUI and command line interfaces
- II. Locate and use help resources
  - a. man and info pages
  - b. GUI-based help
  - c. Online assistance

