CIS 255 – Operating Systems

Course Description

Covers the development and execution of structured shell programs including scripts, menus, I/O redirection, pipes, variables, and other UNIX and Windows commands. Operating systems administration techniques also are covered including electronic mail, editors, online help, and file and directory techniques.

Instructional Materials

uCertify. (2015). CompTIA Linux+ Powered by LPI Exam 1 & 2. uCertify

Course Learning Outcomes

1. Examine the UNIX / Linux shell command line, and command-line utilities.
2. Manage and administer UNIX / Linux software.
3. List the UNIX file and directory permissions and explain how to modify each.
4. Examine the UNIX / Linux file system commands and structure.
5. Identify and create UNIX executable shell scripts.
6. Describe the manner in which hardware (hard disks, printers and network) is identified and managed by UNIX.
7. Describe basic Linux networking configurations.
8. Identify and create simple regular expressions.
9. Use technology and information resources to research issues in operating systems.
10. Write clearly and concisely about UNIX / Linux topics using proper writing mechanics and technical style conventions.