IT 156 : Introduction to Operating Systems

Credits 5

Provides an overview of current and future mainstream features of the Windows client and server operating systems. Instruction will be reinforced with examples and exercises performed on the operating system. The student should be familiar with computers. No previous experience with Windows operating systems is required. Course maps to CTCITC 116. This class may include students from multiple sections.

Course Outcomes

1. Demonstrate overall understanding of an operating system.
2. Describe concepts of computer systems management.
3. Use command line effectively to: Create command shells and shell programming. Generate batch shells. Log on and off.
4. Use the file system to organize and access data.
5. Demonstrate programming principles using scripting.
6. Navigate user interface.
7. Understand security issues, risks.
8. Work with jobs and functions.
9. Manage print functions.
10. Configure devices.
11. Understand network and internet configurations.
12. Navigate file system, perform configuration, and set permissions.
13. Use operating tools to process data.
14. Use the operating system's editing programs to create and modify text files.
15. Use the operating system's tools to communicate with other users.
16. Describe inherent limitations and responsibilities in system level controls.
17. Perform input/output redirection.