

ETRO 275 : Fundamentals of Linux

Credits: 3

Class Hours: 6 lecture/lab

Prerequisites: "C" or higher in ICS 101, or approval of instructor.

Description: This course introduces the student to fundamentals of the Linux- based system that provides essential services for a local area network. Upon completion of this course, the student will have a basic understanding of the Linux operating system and have hands-on experience installing, managing, and troubleshooting the Linux operating system.

Semester Offered: Fall, Spring

Course Student Learning Outcomes (CSLOs):

1. Install applications using the appropriate tools and compression utilities.
2. Compare and contrast Linux-based desktop environments and supported applications.
3. Differentiate between X Window system and Linux system architectures.
4. Complete basic Linux tasks using the command-line and graphical user interface.
5. Describe the history and nature of Open Source software.
6. Use network-based applications in a Linux environment.
7. Install and evaluate a variety of Linux distributions.
8. Troubleshoot problems related to installation and configuration of a variety of operating systems.