



Division:	Business	Area:	Computer Information Systems
Course Number:	CIS 228	Course Name:	Linux Administration
Prerequisite:	CIS 208		
Hours Required:	Class: 45	Lab:	Credits: 3

Course Description/Purpose

This course covers installing, configuring and managing a multi-user UNIX/Linux computer system. Topics covered include: File Systems, Disk Management, User Management, Configuration, Remote Access, Remote Desktop, Customizing and Kernel Customizing. Students will perform a number of hands-on activities to reinforce classroom discussions.

Major Units

- System Management
- System Administration
- Customizing

Educational/Course Outcomes

Student learning will be assessed by a variety of methods, including, but not limited to, quizzes and tests, journals, essays, papers, projects, laboratory/clinical exercises and examinations, presentations, simulations, portfolios, homework assignments, and instructor observations.

Cognitive Each student will be expected to *Identify/Recognize...*

- File structures
- Proper system configuration
- Config Files
- Log Files
- The Boot Process
- The Kernel

Performance Each student will be expected to *Demonstrate/Practice...*

- Disk Management
- User Management
- Software Management
- Create and Modify Config Files
- Set up and usage of SSH(Remote Access)
- Set up and usage of VNC (Remote Desktop)
- Communication using Samba
- Compile the Kernel

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