CUMBERLAND COUNTY COLLEGE

Course: CS 229 Linux Installation & Configuration

Credits: 3

Prerequisites: CS 170

Description:

Prepares the student to configure Linux compatible hardware components, select and install Linux distribution and to configure the Linux software system.

Learning Outcomes

At the completion of this course, students will be able to:

- Demonstrate knowledge of hardware terminology and configuration of network services and security;
- Use Red Hat Fedora Core 2;
- Use Linux shell for command execution
- Sit for the Linux+ certification exam;
- Cite the information necessary to remain current with industry changes.

Topical Outline

- Introduction to Linux
- Preparing for Linux Installation
- Linux Installation and Usage
- Exploring Linux Filesystems
- Linux Filesystem Management
- Linux Filesystem Administration
- Advanced Installation
- Working with the BASH Shell
- System Initialization and X Windows
- Managing Linux Processes
- Common Administrative Tasks
- Compression, System Backup, and Software Installation
- Troubleshooting and Performance
- Network Configuration
- Configuring Network Services and Security

Text:

Linux+ Guide to Certification (w/4 CDs) by Eckert & Schitka, 2nd edition: Thomson

Student Assessment

(Assessment may be accomplished through projects, portfolios, exams, presentations and/or papers)

Academic Integrity

Plagiarism is cheating. Plagiarism is presenting in written work, in public speaking, and in oral reports the ideas or exact words of someone else without proper documentation.

Whether the act of plagiarism is deliberate or accidental [ignorance of the proper rules for handling material is no excuse], plagiarism is, indeed, a "criminal" offense.
As such, a plagiarized paper or report automatically receives a grade of **ZERO** and the student may receive a grade of **F** for the semester at the discretion of the instructor.

Tutoring & Project Assist

If you are having difficulty with work in this class tutoring is available through the Center for Academic & Student Success. If you think that you might have a learning disability, contact Project Assist at 856.691.8600 x 1282 for information on assistance that can be provided to eligible students.

Before Withdrawing From This Course

If a student experiences adverse circumstances while enrolled in this course and considers withdrawing, s/he should see an advisor (division or advisement center) BEFORE withdrawing from the class. A withdrawal may cause harmful repercussions to completion rate standards and overall GPA which can limit or eliminate future financial aid in addition to causing academic suspension.