FLCC Course Syllabus

General Information

Date
11/03/2016

Department
Computing Sciences

Course Prefix:
CSC

Course Number:
272

Course Title:
Linux

Course Information

Credit Hours
3

Lecture Contact Hours
3

Catalog Description
This course is designed to provide the student with an understanding of the architecture and management of today's commonly used computer operating systems. The course surveys the operating systems and included tools and utilities to acquire an understanding of how the operating systems work and how to use the tools and techniques to manage and automate computing system tasks. This course will use the Windows Command line and UNIX/Linux shell programming as teaching tools to provide the fundamental skills needed to prepare and use scripts to manage and automate daily computer/network management tasks and provide a deeper knowledge of operating system functions.

Prerequisites
CSC 260

Grading Scheme
Letter Grade

FLCC Values

College Learning Outcomes Addressed by the Course
Inquiry
Perseverance

Course Learning Outcomes
Course Learning Outcomes

1. Demonstrate usage of terminal syntax to accomplish tasks
2. Write scripts to automate processes that accept multiple inputs and produce customized output
3. Find and select the appropriate parameters for a given command

Program Affiliation

This course is required as a core program course in the following program(s)

AAS Information Technology

Outline of Topics Covered

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I. Introduction to Linux
II. Preparing for Linux Installation
III. Linux Installation and Usage
IV. Exploring Linux Filesystems
V. Linux Filesystem Management
VI. Linux Filesystem Administration
VII. Advanced Installation
VIII. Working with the BASH Shell
IX. System Initialization and X Windows
X. Managing Linux Processes
XI. Common Administrative Tasks
XII. Compression, System Backup, and Software Installation
XIII. Troubleshooting and Performance
XIV. Network Configuration