General Information

Date
July 31st, 2018

Author
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Department
Computing Sciences

Course Prefix
CSC

Course Number
272

Course Title
Linux

Course Information

Credit Hours
3

Lecture Contact Hours
3

Lab Contact Hours
0

Other Contact Hours

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.

Key Assessment
This course does not contain a Key Assessment for any programs

Prerequisites
First Year Experience/Capstone Designation

This course DOES NOT satisfy the outcomes applicable for status as a FYE or Capstone.

SUNY General Education

This course is designated as satisfying a requirement in the following SUNY Gen Ed category

None

FLCC Values

Institutional 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

Outline of Topics Covered

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