



Syllabus

CSC 272 Linux

General Information

Date

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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

0

Catalog Description

This course features extensive hands-on activities for Linux systems used in industry today. Topics include file system management, Linux utilities, the Bash Shell, scripting, systems administration, networking, cybersecurity, and more. Various tools and utilities will be used throughout the course.

Prerequisites

CSC 260

Co-requisites

None

Grading Scheme

Letter

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
None

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
AAS Computer Information Technology

Outline of Topics Covered

1. Filesystem management through the terminal
2. Using Linux utilities to accomplish tasks
3. Writing Bash shell scripts to automate tasks
4. Configuring, testing, troubleshooting, and monitoring systems administration tasks through the terminal
5. Configuring, testing, troubleshooting, and monitoring networking tasks through the terminal
6. Configuring, testing, troubleshooting, and monitoring cybersecurity tasks through the terminal