

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. CST

COURSE NUMBER:1135

NUMBER OF CREDITS: 3

Lecture: 2 Lab: 1 OJT 0

Course Title:

LINUX Operating System

Catalog Description:

LINUX Operating System course is designed to familiarize students with LINUX-based operating systems. The students will use the Linux operating systems for this course. Basic LINUX system concepts, architecture and administration are covered. Students have the opportunity to use fundamental LINUX commands, explore the LINUX file system, use text editors, process and manipulate files, and use the LINUX shell as a programming language.

Prerequisites or Necessary Entry Skills/Knowledge:

None

FULFILLS MN TRANSFER CURRICULUM AREA(S) *(Leave blank if not applicable)*

- Goal 1: Communication: By meeting the following competencies:
- Goal 2: Critical Thinking: By meeting the following competencies:
- Goal 3: Natural Sciences: By meeting the following competencies:
- Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- Goal 7: Human Diversity: By meeting the following competencies:
- Goal 8: Global Perspective: By meeting the following competencies:
- Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- Goal 10: People and the Environment: By meeting the following competencies:

Topics to be Covered (General)

LINUX Operating Systems

Use of text editors for file manipulation

Database file creation

Manipulation and processing and LINUX administration

Student Learning Outcomes

Install LINUX operating systems

Explore LINUX utilities

Perform text editing functions with various text editors

Demonstrate directory commands

Demonstrate file commands

Explore LINUX shells

Perform network administration duties

Is this course part of a transfer pathway: Yes No

**If yes, please list the competencies below*

Revised Date: 10/28/2023