

Inver Hills Community College

CS 1121: Introduction to Unix

A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 1

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Introduces the Unix operating system using Linux. Topics include Unix shells, entering commands, Unix file systems, system administration, user management and file permissions, Unix editors, file processing, shell programming, Unix utilities, programming tools, X Window system. Emphasis will be placed on how to interact with the Unix shell and basic system administration.

B. COURSE EFFECTIVE DATES: 04/02/2001 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Advanced File Processing: 8%
2. Basic Unix Commands: 12%
3. Introduction to Shell Programming: 8%
4. Programming tools for building and compiling applications:8%
5. Roles of the System Administrator and Users: 8%
6. The Unix File System: 8%
7. The Unix Utilities: 8%
8. The X Window System: 8%
9. Unix Editors: 8%
10. Unix File Processing: 8%
11. Unix based internet server applications (Apache, MySQL, etc.): 8%
12. Unix processes monitoring: 8%

D. LEARNING OUTCOMES (General)

1. Be familiar with the basic commands of the Unix operating system
2. Understand how to navigate the Unix file system
3. Understand the structure of the Unix filesystem and where configurations are stored
4. Understand how devices work in a Unix file system
5. Become proficient in the use of the vi and Emacs editors
6. Be able to extract information from files and select, manipulate, and format file information
7. Be able to use the Unix Shell as a programming language
8. Understand the Unix utilities
9. Understand the Unix user system and file permissions
10. Be introduced to the X Window System

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted