**Spokane Falls Community College**

**COURSE LEARNING OUTCOMES**

|  |  |
| --- | --- |
| **Prefix and Course Number:** | **IS125** |
| **Course Title:** | **Linux Fundamentals** |
| **Version Date: mm/dd/yyyy** | **01/06/2021** |

**Course Learning Outcomes**

Upon successful completion of the course, the student will be able to:

1. Configure Linux OS including installing updates, software from repositories.
2. Create user accounts with appropriate permissions.
3. Navigate and perform basic operations on a Linux computer using the command-line interface including remote access with SSH.
4. Compile binaries from source code.
5. Create scheduled tasks.

**Course Outline:**

Install Linux OS

Kernel, Distributions, GUIs,

Create users, groups and assign permissions

Repositories

Add repositories

Review existing repositories

Update or install software using package manager

Command line navigation and operations

Basic commands – ls, pwd, mkdir, echo, whoami, cd, pipes

Text editors

SED, AWK, GREP

Symbolic and hard links

Shell configuration and customization

Shell Scripting

Common tasks

Structure and Syntax

Processes

Services