

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: ITN 171

Credits: 3

Course Title: UNIX I

Course Description: Introduces UNIX operating systems. Teaches login procedures, file creation, UNIX file structure, input/output control, and the UNIX shell. Lecture 3 hours per week.

General Course Purpose: (Who would benefit from taking this course?)

Course Prerequisites and Co-requisites:

None

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Understand the fundamental concepts and terminology of the Unix/Linux operating system;
- b. Understand the Unix utilities;
- c. Work with the UNIX/Linux file system;
- d. Understand the networking and system administration;
- e. Understand the “vi” editor; and
- f. Understand shell programming.

Major Topics to Be Included:

- a. Introduction to utilities
- b. The Shell
- c. Networking
- d. The “vi” Editor
- e. The Bourne Shell
- f. The Korn Shell
- g. System administration

Date Created/Updated (Month, Day, Year): August 2, 2018