

**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. Prerequisite: ITE 115 or school approval. Lecture 3 hours per week.

Course Prerequisites/Corequisites

ITE 115 or school approval

Course Objectives

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
- 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

Effective Date of Course Content Summary: 9/25/2008