

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

Course Prefix and Number: ITE 221

Credits: 4

Course Title: PC Hardware and OS Architecture

Course Description: Covers instruction about processors, internal functions, peripheral devices, computer organization, memory management, architecture, instruction format, and basic OS architecture. Prerequisite or Co-requisite: ITE 115 or school approval. Lecture 4 hours per week.

General Course Purpose: This course provides an introduction to PC hardware and software.

Course Prerequisites and Co-requisites:

Prerequisite or Co-requisite: ITE 115 or school approval

Course Objectives:

Upon completing the course, the student will be able to:

- a. Understand specific computer terminology relating to microcomputers;
- b. Understand peripheral, secondary storage, and primary storage;
- c. Understand memory and file management systems;
- d. Understand DOS; and
- e. Describe user interfaces (i.e., Windows).

Major Topics to Be Included:

- a. Microcomputer architecture
- b. Hardware and I/O interfaces
- c. Operating systems
- d. Windows

Effective Date of Course Content Summary: 10/16/2008