

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. Lecture 4 hours per week.

General Course Purpose

This course provides an introduction to PC hardware and software.

Course Prerequisites/Corequisites

None

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.
- e. Describe user interfaces (i.e. windows).

Major Topics to be Included

- a. Microcomputer Architecture
- b. Hardware & I/O Interfaces
- c. Operating Systems
- d. Windows

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