

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

Course Prefix and Number: ARC 212

Credits: 3

Course Title: Architectural Drafting III

Course Description

Provides fundamental knowledge of the principles and techniques of architectural drawings, procedures. Familiarizes students with design processes to provide a better understanding of the relationship between architectural design and structural systems. Computer aided design drafting begins to assume a dominant role in the drawing production process. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

General Course Purpose

An introduction to the architectural design and document process as related to commercial type projects.

Course Prerequisites/Corequisites (Entry-level competencies **required** for enrollment)

ARC122 (or equivalent) and DRF 231

Course Objectives

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

- a. Conduct design research regarding program, site, and code requirements.
- b. Create a complete set of working drawings utilizing computer-assisted design techniques.
- c. Design building construction details appropriate to the type of construction system being utilized.

Major Topics to be Included

- a. Schematic analysis
- b. Preliminary design development
- c. Construction document preparation
- d. Construction detailing

Effective Date of Course Content Summary: August, 2008