

**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