

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 and procedures. Familiarizes students with design process 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. Prerequisites: ARC 122 or equivalent and DRF 231. Prerequisite or Co-requisite: ARC 211. 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 and Co-requisites:

Prerequisites: ARC 122 or equivalent and DRF 231

Prerequisite or Co-requisite: ARC 211

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; and
- 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