J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: ARC 199       Credits: 3

Course Title: Supervised Study in Architectural Design: 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.
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: September 4, 2014