

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

Course Prefix and Number: ARC 122

Credits: 3

Course Title: Architectural Drafting II

Course Description: Introduces techniques of architectural drafting, including lettering, dimensioning, and symbols. Requires production of plans, sections, and elevations of a simple building. Studies use of common reference material and the organization of architectural working drawings. Requires development of a limited set of working drawings, including a site plan, related details and pictorial drawings. Prerequisite: ARC121 and DRF 231 or instructor's approval. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

General Course Purpose: Research and design a residential structure via computer-assisted-design means. Said design should be compliant with the various Code requirements that govern residential construction in Virginia and also exhibit a fundamental understanding of construction principles and practices associated with typical residential construction.

Course Prerequisites and Co-requisites:

Prerequisite: ARC121 and DRF 231 or instructor's approval

Course Objectives:

Upon completing the course, the student will be able to

- a. Develop a design for a residential detached dwelling;
- b. Generate a complete set of working drawings that would support construction of the design; and
- c. Conduct a code analysis of the hypothetical project and insure all legal aspects of the projects have been addressed and satisfied.

Major Topics to Be Included:

- a. Concept/research
- b. Floor plan
- c. Foundation/basement plan
- d. Elevations
- e. Sections
- f. Site plan
- g. Details/specifications

Effective Date of Course Content Summary: August, 2008