J. Sargeant Reynolds Community College Course Content Summary

Course Prefix and Number: ARC 122 Credits: 3

Course Title: Architectural Drafting II

Course Prerequisites and Co-requisites:

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Student Learning Outcomes:

Upon completing the course, the student will be able to

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

Major Topics to Be Included and/or Drawings Required:

- a. Concept/research narrative with Bubble Diagram
- b. Floor plan(s) for each floor
- c. Foundation/basement plan
- d. Elevations
- e. Transverse Section
- f. Site plan
- g. Details to support the design/reference to material specifications
- h. Door, window and finish schedules

Date Created/Updated (Month, Day, and Year): January 19, 2019