J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: BLD 101   **Credits:** 3

Course Title: Construction Management I

Course Description: Presents overviews of all phases of construction project management. Introduces students to philosophy, responsibilities, methodology, and techniques of the construction process. Introduces topics related to the construction and design industries, organizations, construction contracts, bidding procedures, insurance, taxes, bonding, cost accounting, business methods, including basic computer usage, safety, and general project management procedures. Lecture 3 hours per week.

General Course Purpose: Provides the student with an introduction to the principles of business management as applied to the field of building construction. To include the dynamics of estimating, scheduling, construction law, bonding, safety/risk management. Course required for the Building Construction Management specialization of the Architectural and Engineering Technology AAS degree.

Course Prerequisites and Co-requisites:
None

Student Learning Outcomes:
Upon completing the course, the student will be able to
a. Demonstrate an understanding of the importance of management control to the successful completion of construction projects;
b. Develop an organized methodology in the planning and execution of a construction project to include schedule ; and
c. Develop an appreciation of the importance of business management principles in building construction.

Major Topics to Be Included:
a. Construction documents and impacts on the contractor
b. Construction scheduling and planning to include CPM scheduling
c. Fundamentals of construction bidding and contract administration
d. Cost and risk issues of construction management
e. Governmental regulations for construction agencies
f. Computer applications regarding construction management
g. Principles of contemporary business management

Date Created/Updated (Month, Day, and Year): January 21, 2019