

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

Course Prefix and Number: BLD 247

Credits: 3

Course Title: Construction Planning and Scheduling

Course Description: Introduces principles of planning and scheduling of a construction project. Includes sequence of events and processes on a construction site. Studies scheduling techniques, including the critical path method. Lecture 3 hours per week.

General Course Purpose: Course indoctrinates the student to the process of creating a formal schedule of tasks required to complete a typical commercial project.

Course Prerequisites and Co-requisites:

None

Course Objectives:

Upon completing the course, the student will be able to

- a. Use network planning techniques (ADM and PDM) to prepare construction schedules;
- b. Develop and level resource requirement histograms using the cost estimate and construction schedule;
- c. Understand the implications of changing construction conditions on the management of the project; and
- d. Use the computer for project management.

Major Topics to Be Included:

- a. Introduction and history
- b. Bar charts
- c. ADM and PDM
- d. Resources and leveling
- e. Cost reporting
- f. Control and monitoring
- g. Computer applications

Effective Date of Course Content Summary: August, 2008