

NVCC COLLEGE-WIDE COURSE CONTENT SUMMARY

BLD 102 - CONSTRUCTION MANAGEMENT II (3 CR.)

COURSE DESCRIPTION

Emphasizes advanced management techniques and methodology. Includes engineering economics, accounting principles, life cycle costing, value engineering, systems analysis with computer applications, work improvement, quality control, and a broad overview of the construction management profession. Lecture 3 hours per week.

GENERAL COURSE PURPOSE

To enable the student to gain employment in the construction management industry.

COURSE OBJECTIVES

To continue acquainting the student with the requirements of construction management, for horizontal construction industry.

MAJOR TOPICS TO BE COVERED

- A. Earth moving materials and operations
- B. Excavation and lifting equipment and procedures
- C. Loading and hauling principles
- D. Foundation systems
- E. Concrete, wood, steel, and masonry construction
- F. Planning and scheduling
- G. Construction economics, accounting, and value engineering principles
- H. Contract construction
- I. Construction safety and health pertinent to horizontal construction
- J. Improving productivity

OPTIONAL TOPICS

Broad overview of the construction management profession and its problems