

# CNST A250: CONSTRUCTION SUPERVISION AND PROJECT MANAGEMENT

Item	Value
Curriculum Committee Approval Date	12/02/2020
Top Code	095700 - Civil and Construction Management Technology
Units	3 Total Units
Hours	54 Total Hours (Lecture Hours 54)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

## Course Description

The combination of designing, estimating, contracting, financing and building must be understood and practiced. Leadership in this field means being responsible for many people, their work and their safety. Transfer Credit: CSU.

## Course Level Student Learning Outcome(s)

1. Describe the distribution of responsibilities in the construction industry management organization and with subcontractors.
2. Describe construction planning, scheduling, bidding and contract award process.

## Course Objectives

- 1. Discuss the construction process.
- 2. Identify and describe building design and classification criteria.
- 3. Describe the construction industry organization and the subcontracting elements.
- 4. Describe construction economics and the time value of money.
- 5. Describe the bidding and contract award process.
- 6. Recognize the importance of construction site safety and health.
- 7. Identify and define the components of building layout.
- 8. Recognize construction industry trends and prospects.

## Lecture Content

Introduction Employment opportunities Modern competition Companies Contracts Codes and regulations Designs Building classifications Blueprints and specifications Architects responsibility Engineers responsibility Estimating Procedures Takeoffs Material lists Bids Subcontracting Off-sites Construction trades Mechanical contractors Finish materials contractors Other subcontracts Safety responsibilities Layout Permits Temporary buildings Power Water Communications Erosion and run-off controls Safety precautions Duties and Responsibilities of Personnel Company Union Employees Safety devices Job scheduling Software and charts Salaries Completion dates

Reports, Contracts, and Financial Management Job Completion Records Clean up Occupancy Safety and Environmental Health in Construction

## Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)

## Instructional Techniques

Instructional methodologies will include, but not necessarily be restricted to, the following: 1. Detailed multimedia/lectures of each topic covered. 2. Student feedback during each lecture. 3. Detailed illustrative discussion of lecture handout and textbook information. 4. Guest speakers from the construction industry.

## Reading Assignments

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## Writing Assignments

Essay assignments, report preparation, and cost analysis projects

## Out-of-class Assignments

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## Demonstration of Critical Thinking

Quizzes, exams, essays, reports, and cost analysis projects

## Required Writing, Problem Solving, Skills Demonstration

Essay assignments, report preparation, and cost analysis projects

## Textbooks Resources

1. Required Fisk, Edward. Construction Project Administration, ed. New Jersey: Prentice Hall, 2002 Rationale: -