

Construction Management I (CNBT 2342)



Credit: 3 semester credit hours (2 hours lecture, 4 hours lab)

Prerequisite/Co-requisite: CNBT 1346

Course Description

Management skills on the job site. Topics include written and oral communications, leadership and motivation, problem solving, and decision making.

Required Textbook and Materials

No textbook required for this course

Course Objectives

Upon completion of this course, the student will be able to:

1. Understand and use the general principles of construction management
2. Understand the roles and responsibilities of different groups in construction
3. Know how to use selected planning and control tools
4. Understand and use proper safety procedures and protocol

Course Outline

- | | |
|---------------------------|--------------------------|
| A. Project Supervision: | 1. Process |
| 1. Scope | 2. Simple vs Complex |
| 2. Purpose | F. Scheduling |
| B. Management | 1. Defining timeline |
| 1. Delegating Tasks | 2. Job Analysis |
| 2. Motivating Employees | 3. Bar Charts |
| 3. Conflict resolution | G. Construction Networks |
| 4. Decision Making | 1. Diagramming |
| C. Quality Control (QC) | 2. Control of Resources |
| 1. What is QC | H. Costs |
| 2. Types of QC | 1. Estimated |
| 3. Implementing QC | 2. Actual |
| D. Construction Documents | 3. Projected |
| 1. Types | I. Job Analysis |
| 2. Manuals | 1. Production Analysis |
| E. Estimating | |

Grade Scale

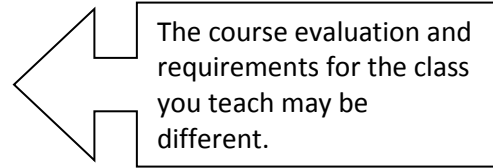
90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

Approved mm/yyyy

Course Evaluation

Final grades will be calculated according to the following criteria:

- | | |
|--------------------------|-----|
| 1. Daily Lab Assignments | 30% |
| 2. Quizzes | 20% |
| 3. Lab Projects | 30% |
| 4. Final Exam | 20% |



Course Requirements

1. Take written quizzes and exams
2. Use hand and power tools
3. Calculate reports

Course Policies

1. No food, drinks, or use of tobacco products in class.
2. Beepers, telephones, headphones, and any other electronic devices must be turned off while in class.
3. Do not bring children to class.
4. No late assignments will be accepted.
5. Tests. Students that miss a test are not allowed to make up the test. Students that miss a test will receive a grade of '0'.
6. Attendance Policy. Two absences are allowed. If a student is tardy to class or departs early three (3) times, it will be equal to one (1) absence. Each absence beyond two absences will result in a 5 point deduction from your final grade.
7. If you wish to drop a course, the student is responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an 'F' in the course.
8. Additional class policies as defined by the individual course instructor.

Disabilities Statement

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or visit the office in Student Services, Cecil Beeson Building.

Course Schedule

Week of	Topic	Reference
Week 1	Introduction	Handouts
Week 2	Orientation to the Job	Handouts
Week 3-4	Human Relations and Problem Solving	Handouts
Week 5	Quality Control	Handouts
Week 6-7	Contract & Construction Documents	Handouts
Week 8-10	Contract Control and Estimating	Handouts
Week 11-13	Planning and Scheduling	Handouts
Week 14-16	Job Analysis & Final Project	Handouts