

Construction Management
CNST 6305 (3 Credits)

June 30, 2014

General

Instructor: DR. Neil N. Eldin, PhD, PE

Contacts: Use Blackboard email and for emergencies: 713-743-1553

Office Location: University of Houston Central Campus T1-110G

Office Hours: By Appointment

Class Time: This is an online course – no meeting time

Course Description

This course offers an overview of the common aspects of construction management. It provides a foundation for better understanding of basics necessary for obtaining project controls skills.

Textbook

Construction Project Management, Gould & Joyce – Prentice Hall- 3rd Edition

Learning Objectives

Upon the completion of the course students will demonstrate the ability to:

1. Understand common terminology
2. Understand the roles and responsibilities of the parties involved in construction projects
3. Communicate with various industry participants through the utilization of proper tools and techniques for estimating and project scheduling

Instructor's Expectations

Students are expected to diligently review the textbook materials, submitting homework assignments, printing the class notes (workbook), listening to the on-screen modules, and completing the workbook tasks/exercises/assignments. Students are expected to expand their knowledge beyond the textbook and the course notes by seeking additional resources through consultation with the UH library staff and through independent internet searches. Examples of top resources include publications and literatures from: the Construction Industry Institute (CII), American Association of Cost Engineers (AACE), Construction Specifications Institute (SCI), and the journals of the American Society of Civil Engineers (ASCE). Students are strongly encouraged to seek assistance from the UH library staff to conduct literature searches for materials supplementary to the course modules and textbook. Of course, the instructor is always available for assistance and discussion of the course materials on as needed basis. In addition, face-to-face help sessions are scheduled monthly for those who enjoy group discussions.

Grading

Homework Assignments	50%
Quizzes	20%
Final Exam	30%

Grading Scale

Letter Grade	Score
A	100-90%
B	89-80%
C	79-70%
D	69-60%
F	<60%

Homework Assignments

There are homework/discussion assignments for each module. The details and due dates are provided in each module. Discussions should be completed and assignments are submitted before no later than due dates. No late submissions will be accepted.

Quizzes

Quizzes are designed to assist you in understanding the course materials and to provide you with examples of the type of questions that will be on the final exam. A quiz is posted for each module. It is recommended that you take the quiz immediately after you complete each module. However, quizzes must be completed before the deadlines provided in each module.

NOTE: You are allowed only **one chance to open each quiz**. **Do not** attempt to open a quiz until you are ready to answer the questions and complete the quiz.

Final Exam

Students will be requested to take the final exam on UH campus. However, students residing outside of a reasonable distance from the city of Houston may **request** to take the final exam at a designated testing facility convenient to their locations. Final Exam is scheduled during week 15. Exact time and location will be announced during the semester.

Students must make early arrangements with their employers and others to make sure they do not miss the Final Exam. There will be **no makeover exams**. In addition, each student is responsible for obtaining and verifying his/hers UH Cougarnet Account in order to be able to use computers on UH campus. This can be done by calling 713-743-1411 or by visiting UH website.

Recommended Schedule for Course Modules

Week#	Topic
1-3	Module 1 – Overview of Construction Management Background <ul style="list-style-type: none">- Size of USA Construction industry- Rolls and Responsibilities of Major Parties- Projects Types and Classifications
4-5	Module 2 - Construction Contracts <ul style="list-style-type: none">- Contracts Classification- Contracts Formation- Contractual Relationships in Construction Contracts
6-8	Module 3 - Cost Estimating <ul style="list-style-type: none">- Definitions of Common Terms- Preliminary Estimates- Detailed Estimates- Project Finances
9-13	Module 4 - Planning and Scheduling <ul style="list-style-type: none">- Planning vs. Scheduling- Bar-charts Applications- CPM Networks and Calculations
14	Review of all modules and other course materials
15	Final Exam