

**CE 4334 – Construction Management**  
**Class Location/Time: Mondays: 6 – 8:50**  
**PM, Check Goldmine for location**

Instructor: Adeeba A. Raheem  
Office: A213  
e-mail: aaraheem@utep.edu  
Phone: 747.6348  
Office Hours: Monday (3.00pm-5.00pm),  
Thursday (1.00pm-3 pm).

Text: Gould, F. and Joyce, N., *Construction Project Management*. Pearson, 2014. ISBN 978013-287724-4

Additional references: Hendrickson, Chris. *Project Management for Construction*, available free at <http://ocw.mit.edu/OcwWeb/Civil-and-Environmental-Engineering/1-040spring-2007/syllabus>

Recommended reading: McCullough, David, *The Great Bridge*. Simon and Schuster, 1972. ISBN 978-0671-45711-2

### **LEARNING OBJECTIVES**

This course provides an understanding of construction management, including contracts, estimating, scheduling, subcontracting, cost control, claims, safety, quality and project closeout.

### **CLASS STRUCTURE**

Classes will consist of lectures and class assignments. Students will work on class problems in groups and present their solutions to the class. Students will be responsible for all reading material assigned but the Professor will not lecture on all of the reading material. Exams will consist of short written answers and some real life situation analysis of construction problems, class discussions, and the reading material. Books, notes allowed to be used during exams but other electronic equipment of any

kind is not allowed during exams. There will be **NO** makeup quizzes or exams.

Assignments consist of the following to be performed by class groups:

- Students will locate a project that is bid publicly with a pre-bid meeting, attend the meeting, take notes on activity/attendees in the meeting, and provide a summary of this meeting in their assignment report.
- Students will obtain the bid document for the above project and prepare a cost estimate and bid price, including completing the bid forms/proposal. The estimate prepared will require a schedule be prepared by students.
- Students will attend the public bid opening and collect the bid results.
- Student groups will submit documentation of all of the above to the Civil Engineering Office by the last Wednesday in November at 5 pm. Late submittals will be rejected.
- Students will present the results of their work in class at a time to be scheduled.

### **ETHICS**

Cheating or plagiarism will not be tolerated. Any incidence of cheating or plagiarism will be provided to the administration for resolution.

### **EMERGENCIES/DISABILITIES**

If you have a disability and need classroom accommodations, please contact The Center

for Accommodations and Support Services (CASS) at 747-5148, or by email to [cass@utep.edu](mailto:cass@utep.edu), or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at [www.sa.utep.edu/cass](http://www.sa.utep.edu/cass).

10 (2 Nov)	Construction Law
11(9 Nov)	Safety
12(16 Nov)	Case Studies/Group Project Presentations
13(23 Nov)	Case Studies/Group Project Presentations
14(30 Nov)	Final Exam

**ASSISTANCE**

Students should always feel free to contact the professor for assistance. Students can make appointments, walk in during office hours, email, text message, or call by phone to get assistance. Please do not hesitate to ask for help.

**OTHER REFERENCES**

[www.agcelpaso.org/safety](http://www.agcelpaso.org/safety) - example safety plan and partnership agreement;

**SUMMARY**

This course will involve extensive reading and discussion. Construction is a very serious business involving large dollar problems and often problems with personalities on construction sites. The class will also be very serious, but if you prepare for class, it should be fun.

**GRADING**

Quizzes (20%); Presentations/Reports for assignments and Class Discussion (25%); Mid-term Exam (25%); Final Exam (30%)

**COURSE SCHEDULE**

<u>Week</u>	<u>Subject</u>	<u>Text Sections</u>
1(24 Aug)	Project Organization	
2(31 Aug)	Project Delivery	
3(14 Sep)	Pre-construction phase	
4(21 Sep)	Contracts	
5(28 Sep)	Ethics	
6(5 Oct)	Estimating	9
7(12 Oct)	Scheduling	
8(19 Oct)	Mid-term Exam	
9(26 Oct)	Cost Control /QC/QA Administration of Projects	