

College of Business and Technology
Department of Human Resource Development and Technology
Construction Management Course Syllabus

CMGT 4312 Advanced Estimating
Dr. John W. Martin
jmartin@uttyler.edu
Office: HPR 220

Fall 2008
566-5913-Office
405-694-5420-Cell

Course Description:

Quantification and pricing of direct field costs and general condition costs from construction documents; the preparation of complete lump sum bid package ready for project execution; complete set of contract documents required. Prerequisite: all 3000 level courses

Textbook:

Construction Cost Analysis & Estimating Phillip F. Ostwald ISBN: 0-13-083207

Course Objectives:

At the end of this course, participants will be able to:

- 1) estimate construction projects using plans and specifications
- 2) Compile lump sum bid packages
- 3) effectively estimate quantities and price them
- 4) Utilize the estimate to predict parametric measures

Course Competencies

1. Computer-Based Skills – the student will utilize construction software necessary to complete assignments.
2. Communication Skills – the student will exhibit a mastery of both written and oral skills in completion and presentation of the formal project.
3. Interpersonal Skills – the student will work on a team project and display responsibility and autonomy.
4. Problem Solving (Critical Thinking) – the student will use conceptual thinking, quantitative/statistical skills, gathering and analyzing data, and creativity and innovation in the identification and completion of the Advanced Estimating research project
5. Ethical Issues in Construction Research- the student will understand and exhibit ethics through the data collection and presentation of the formal project.
6. Personal Accountability for Achievement – the student will complete the project at the time designated by the instructor
7. Competence in Construction Estimating

- a. Exposure to and appreciation for construction experiences such as project tours, visiting industry speakers, and related research.

Disability Statement

"If you have a disability, including a learning disability, for which you request disability support services/accommodation(s), please contact Ida MacDonald in the Disability Support Services office so that the appropriate arrangements may be made. In accordance with federal law, a student requesting disability support services/accommodation(s) must provide appropriate documentation of his/her disability to the Disability Support Services counselor. For more information, call or visit the Student Services Center located in the University Center, Room 282. The telephone number is 566-7079 (TDD 565-5579)." Additional information may also be obtained at the following UT Tyler Web address: <http://www.uttyler.edu/disabilityservices>.

Academic Dishonesty Statement

“Academic dishonesty, such as unauthorized collusion, plagiarism and cheating, as outlined in the Handbook of Operating Procedures, University of Texas at Tyler, will not be tolerated.

University regulations require the instructor to report all suspected cases of academic dishonesty to the Dean of Students for disciplinary action. In the event disciplinary measures are imposed on the student, it becomes part of the students’ official school records. Also, please note that the handbook obligates you to report all observed cases of academic dishonesty to the instructor

Grade Replacement

If you are repeating this course for a grade replacement, you must file an intent to receive grade forgiveness with the registrar by the 12th day of class. Failure to file an intent to use grade forgiveness will result in both the original and repeated grade being used to calculate your overall grape point average. A student will receive grade forgiveness (grade replacement) for only three (undergraduate student) or two (graduate student) course repeats during his/her career at UT Tyler. (2006-08 Catalog, p. 35)

Course Outline:

Week	Chapter
1	1
2	2
3	3
4	4
5	5
6	6
7	7

8	Midterm Exam
9	8
10	9
12	10
13	11
14	Presentations
15	Presentations
	Final Exam

Course Requirements:

Semester Team Project	30 %
Formal Team Presentation	10%
Mid-term	20 %
Final exam	20 %
Class Participation	5 %
Homework	15%

There will be a 10% per class period penalty for all late work.

Grades will be based upon the following scale:

A	90 - 100
B	80 - 89
C	70 - 79
D	60 - 69
F	< - 59