



TMGT 336 Construction Cost Estimating (Fall 2014)

: Study of the principles and application of construction estimating including quantity takeoff, pricing of materials, classification of work, labor, overhead, specifications, bid procedures, and project scheduling.
 [Prerequisite: MATH 142 or MATH 176]

Instructor: Ilseok “Eddie” Oh, Ph.D., Associate Professor, Construction Engineering
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Office Hour: Monday & Wednesday 10:00am – Noon Tuesday & Thursday 12:30 – 01:00 pm

Lecture/Lab: (T & R) 11:00 – 12:15 pm, AGIT 118A

Required Text: Estimating Construction Costs, Robert L Peurifoy, 6th Ed., McGraw-Hill
 ISBN 978-0-07-339801-3

Learning Outcomes:

1. Calculate quantity for superstructures such as masonry, steel, and concrete structures.
2. Calculate quantify for earthwork and related subsurface support systems such as piles and footings.
3. Prepare summaries of construction equipment expenses including initial costs, depreciation, fuel, and operational costs.
4. Prepare a competitive bid including subcontractor bids, profit, overhead, and other indirect costs.

Course Policies:

- Course Requirements and Grades

Attendance & Participation	10%	Assignment & Quizzes	20%
Exam I	20%	Exam II	20%
Exam III	30%		

- Grading

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

- Class Attendance Requirement (two *lateness* = one *absence*)

# of Absence	0 - 3	4	5
Point Deduction	0	- 5	- 10

- All assignments should be submitted at the beginning of the class and the due date is “next” class meeting time. Only selected HWs will be graded. Unless prior arrangements are worked out with the instructor, a penalty of 50% will be assessed on late assignments submitted within next class meeting time of the due date. After the grace period, ZERO credit towards a final grade.

Academic Dishonesty

: Texas A&M University-Commerce will not condone plagiarism in any form. Plagiarism represents disregard for academic standards and is strictly against University policy. Plagiarized work can result in a “0” on a given assignment(s) or an “F” for the course as well as further administrative sanctions permitted under University policy. You may discuss course work and other course materials with fellow students (except during tests), but it is inappropriate to have another student do your course work or provide you with any portion of it. Guidelines for properly quoting someone else’s writings and the proper citing of sources can be found in the APA Publication Manual. If you do not understand the term “plagiarism”, or if you have difficulty summarizing or documenting sources, contact your professor for assistance.

Students with Disabilities

: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact: Office of Student Disability Resources and Services, Texas A&M University-Commerce, Gee Library Room 132, Phone (903) 886-5150 or (903) 886-5835, Fax (903) 468-8148, StudentDisabilityServices@tamuc.edu

Student Conduct

: All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See *Code of Student Conduct from Student Guide Handbook*). Students are expected to attend all class periods and to be prepared for each class. Students are expected to refrain from any disruptive behaviors during class, which includes but is not limited to working on assignments/projects from another course, reading non-course materials, or using the computer for non-class purposes. Cell phones, iPods, and other electronic devices should be turned off during class.

Class Topics & Schedule:

Week #	Week of	T	R
1	25-Aug	Introduction	Bid Documents
2	1-Sep	Estimating Process	Conceptual Cost Estimating
3	8-Sep	Cost of Construction Labor & Equipment	Handling & Transportation Materials
4	15-Sep	Earthwork & Excavation	Highways & Pavements
5	22-Sep	Foundations	Concrete Structures
6	29-Sep	Steel Structures	Exam I
7	6-Oct	Review Exam I	Carpentry
8	13-Oct	Roofing & Flashing	Masonry
9	20-Oct	Floor Systems & Floor Finishes	Painting
10	27-Oct	Plumbing	Electric Wiring
11	3-Nov	Sewerage Systems	Water Distribution Systems
12	10-Nov	Total Cost of Engineering Projects	Exam II
13	17-Nov	Review Exam II	Computer Estimating
14	24-Nov	Computer Estimating	TGB
15	1-Dec	Computer Estimating	Computer Estimating
16	8-Dec	Final Week - Exam III	