

*ABET Course Syllabus***Course Information, Textbook and Supplementary Materials**

Course Description: Theory of estimating. Quantity surveying; unit cost synthesis and analysis. Bid organization and preparation; competitive simulations and exercises.

Elective for: BSCE and BSCE Structural

Prerequisites: none

Co-Requisite: none

Required Textbook: Dagostino, Frank R. and Leslie Feigenbaum. *Estimating in Building Construction*. 6th ed. Prentice Hall, 2003.

Reference: none

Topics Covered	Learning Outcomes
Contractor specialties	Students will have learned: <ol style="list-style-type: none"> 1. Plan Reading 2. Computer-Assisted Estimating 3. Specifications 4. Equipment 5. Earthwork 6. Concrete 7. Rough Lumber 8. Finish Materials 9. Plumbing 10. Electrical 11. HVAC 12. Profit
Professional skills	<ol style="list-style-type: none"> 13. Construction estimating 14. Ethics 15. To differentiate various ethical behaviors 16. The Code of Ethics
Networking	<ol style="list-style-type: none"> 17. How to join professional organizations (AGC, ASCE, etc.) 18. How to attend professional conferences, meetings, symposia, etc. 19. About professional registration

Principles of construction estimating	20. Construction vocabulary 21. Critical path method 22. Unbalancing 23. The construction process
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CE 461

General Construction Estimating

3 Units

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Lecture and Lab Schedule			
Lecture		Lab	
Sessions per Week	Duration per Session	Sessions per Week	Duration per Session
1	3 hours	n/a	

Relation of Course Objectives to Program Outcomes

The Civil Engineering program is designed to teach beyond the technical content of the curriculum and prepare the students to utilize what they learn in a professional setting.

This course does not contribute to the program outcome.

Course Contribution to Program Outcomes (a-k)	✓ Key
N/A	

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Date: Fall 2014