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TRIAL COURSE OR NEW COURSE PROPOSAL
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SUBMITTED BY:

Department	Civil and Environmental Eng.	College/School	CEM
Prepared by	Robert Perkins	Phone	474 7694
Email Contact			

This course will investigate the t

The Graduate Certificate in Construction Management and its courses was approved by the CEE faculty and the CEM dean.

ADDITIONAL SIGNATURES: (As needed for cross-listing and/or stacking)

	Date	
Signature, Chair, Program/Department of:		
	Date	
Signature, Chair, College/School Curriculum Council for:		
	Date	
Signature, Dean, College/School of:		

Outline Syllabus

Construction Estimating Basics

1. Course information:

Construction Estimating Basics, CE F654A, One credit,
Prerequisites: Recommended Admission to the Graduate Certificate in Construction Management Program.

Location and Meeting Time will be specific to each offering of the course.

2. Instructor (and if applicable, Teaching Assistant) information:

Instructors Name, Office Location, Office Hours, as well as *Telephone and Email* contact information will be specific to each offering of the course.

3. Course readings/materials:

Handout of text material and assigned materials students will download from the Internet.

4. Course description:

This course will investigate the types of estimates appropriate for particular project stages. It will compare vertical versus horizontal construction and provide an overview of available software, guidebooks, and indirects used in the preparation of construction estimates.

5. Course Goals (general), and (see #6)

Improve the student's skills in managing construction and project estimating.

6. Student Learning Outcomes (more specific)

Students will learn to determine the best estimating method for each application and point in the construction process.

Understand and spot elements of an estimate and use available input data.

Understand the proper usage of computerized estimating applications and their limitations.

7. Instructional methods:

Face to face lecture and remote lectures via video conferencing, student presentations and reports. Students will use the Internet to download some instruction material.

8. Course calendar:

Class 1

Introduction

Estimating Methods

Class 2

Matching the estimate to the Project Phase

Level of Accuracy

Class 3

Gathering Project Data

Gathering Price Data

Class 4

Quiz

Estimate revisions

Project Tracking

Class 5

Estimating Tools

Software Limitations

Class 6

Class Presentations

9. Course policies:

Due to the limited number of classes, attendance and class participation is expected in all classes, unless arranged otherwise with the instructor, and will be considered in determining final grade. Plagiarism will not be tolerated.

10. Evaluation:

The final grade will be determined on the following basis:

Final presentation (written: 40%; oral: 15%)	55%
Quiz	20%
Class participation	13%
Attendance (6 @2%)	12%

11. Support Services:

Administrative services for the course are provided by the Center for Distance S Td s. ()u41(r)85 Tw ()Tj 6