MURRAY STATE UNIVERSITY

CET 386 CONSTRUCTION ESTIMATING II

MURRAY STATE UNIVERSITY
DEPARTMENT OF INDUSTRIAL AND ENGINEERING TECHNOLOGY
SPRING SEMESTER, 2011

I. TITLE Construction Estimating II, 3 credit hours
M, W, F 12:30pm-1:20pm, IT 237

II. CATALOG DESCRIPTION: Estimating and bidding large construction projects with an emphasis on reinforced concrete and structural steel work. Prerequisite: CET 310. (Fall)

III. PURPOSE: Students will learn the process and preparation of quantity takeoff and cost estimating procedures for institutional, commercial, and residential construction projects.

IV. COURSE OBJECTIVES: At the conclusion of this course students will be able to (a) determine the quantities of construction materials needed for major construction projects, (b) estimate the total direct cost of construction, and (c) develop and modify the databases needed for cost estimating work.

V. COURSE CONTENT:

A. General procedures in quantity and cost estimating
B. Development of unit cost data for construction operations
C. Cost and quantity estimates for wood frame and residential construction
D. Cost and quantity estimates for structural steel and reinforced concrete construction
E. Bidding strategies and ethics

VI. INSTRUCTIONAL ACTIVITIES:

A. Lectures and discussions
B. Computer assignments
C. Homework & Class Assignments
D. Estimates
E. Videos

VII. FIELD AND CLINICAL EXPERIENCES:

A. Site visits to local construction projects.
B. Use of construction cost estimating software for cost estimate preparation.

VIII. RESOURCES: MSU Computer labs.

IX. GRADING PROCEDURES:

A.	Examinations (3):	= 30%
B.	Final Exam:	= 20%
C.	Estimates:	= 25%
D.	Labs, Assignments, Quizzes	= 25%

X. ATTENDANCE POLICY:

This course will adhere to the policy published in the MSU Undergraduate Bulletin, regular attendance in class is expected.

XI. PREREQUISITES: CET 310

XII. ACADEMIC HONESTY POLICY:

This course will adhere to the policy published in the MSU Undergraduate Bulletin. Cheating, plagiarism (submitting another person's material as one's own), or doing work for another person which will receive academic credit are all impermissible. This includes the use of unauthorized books, notebooks or other sources in order to secure or give help during an examination; the unauthorized copying of examinations, assignments, reports or term papers; or the presentation of unacknowledged material as if it were the student's own work. Disciplinary action may be taken beyond the academic discipline administered by the faculty member who teaches the course in which the cheating took place.

XIII. REQUIRED TEXTBOOK: Dagostino, P. & Peterson, Steven J. (2011) Estimating in Building Construction. 7th Edition. Prentice Hall

XIV. STATEMENT OF AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY:

Murray State University endorses the intent of all federal and state laws created to prohibit discrimination. Murray State University does not discriminate on the basis of race, color, national origin, gender, sexual orientation, religion, age, veteran status, or disability in employment, admissions, or the provision of services and provides, upon request, reasonable accommodation including auxiliary aids and services necessary to afford individuals with disabilities equal access to participate in all programs and activities.