

PERALTA COMMUNITY COLLEGE DISTRICT COURSE OUTLINE

COLLEGE:	Laney College	STATE APPROVAL DATE:	09/26/2010
ORIGINATOR:	Kelle Lynch-McMahon	STATE CONTROL NUMBER:	CCC000380942
		BOARD OF TRUSTEES APPROVAL DATE:	06/14/2016
		CURRICULUM COMMITTEE APPROVAL DATE:	04/15/2016
		CURRENT EFFECTIVE DATE:	08/22/2016

DIVISION/DEPARTMENT: Laney College

1. REQUESTED CREDIT CLASSIFICATION:

Credit - Degree Applicable
Course is not a basic skills course.
Program Applicable

2. DEPT/COURSE NO:

CONMT 021

3. COURSE TITLE:

Construction Estimating II - Commercial Projects

4. COURSE: Laney Course
Updating

TOP NO. 0957.00

5. UNITS: 3.00

HRS/WK LEC: 3.00 Total: 52.50

HRS/WK LAB:

HRS/WK TBA:

6. NO. OF TIMES OFFERED AS SELETED TOPIC: 1 AVERAGE ENROLLMENT: 30.00

7. JUSTIFICATION FOR COURSE:

This course is a Certificate and Associate Degree Program requirement. Acceptable for credit: CSU

8. COURSE/CATALOG DESCRIPTION

Advanced estimating principles: Vocabulary and industry terms; estimation technology; residential and light commercial building projects; interpretation of CSI standards, general conditions, review plans, and CSI specification formats

9. OTHER CATALOG INFORMATION

a. Modular: No If yes, how many modules:

b. Open entry/open exit: No

c. Grading Policy: Letter Grade Only

d. Eligible for credit by Exam: No

e. Repeatable according to state guidelines: No

f. Required for degree/certificate (specify):

Construction Management

g. Meets GE/Transfer requirements (specify):

Acceptable for credit: CSU

h. C-ID Number: Expiration Date:

i. Are there prerequisites/corequisites/recommended preparation for this course? Yes

Date of last prereq/coreq validation: 04/15/2016

- 10. LIST STUDENT PERFORMANCE OBJECTIVES (EXIT SKILLS):** (Objectives must define the exit skills required of students and include criteria identified in Items 12, 14, and 15 - critical thinking, essay writing, problem solving, written/verbal communications, computational skills, working with others, workplace needs, SCANS competencies, all aspects of the industry, etc.)(See SCANS/All Aspects of Industry Worksheet.)

Students will be able to:

1. Complete a material and labor takeoff from a set of plans using a computer.
2. Bid an assigned project to within 10% of the correct answer.
3. Expand vocabulary of terms for estimating
4. Demonstrate competency in completing a professional estimate using software relevant to industry application.

- 11A. COURSE CONTENT:** List major topics to be covered. This section must be more than listing chapter headings from a textbook. Outline the course content, including essential topics, major subdivisions, and supporting details. It should include enough information so that a faculty member from any institution will have a clear understanding of the material taught in the course and the approximate length of time devoted to each. There should be congruence among the catalog description, lecture and/or lab content, student performance objectives, and the student learning outcomes. List percent of time spent on each topic; ensure percentages total 100%.

LECTURE CONTENT:

1. Master format 10%
2. Computer--costing and scheduling 10%
3. Plans 10%
4. Specification 10%
5. Material takeoff 10%
6. Labor takeoff 10 %
7. Equipment takeoff 5%
8. Return on Investment/Profitability 5%
9. Bid strategies 10%
10. Documents by the American Institute of Architects: 5%
 - a. Owner--contractor agreement--stipulated sum.
 - b. Owner--contractor agreement--cost plus fee.
 - c. General conditions of the contract.
 - d. General conditions of the contract for construction and federal supplementary conditions.
 - e. Contractor--sub-contractor agreement forms
11. Review of Software and field tools for estimating 10%
12. CSI Standard Bid Divisions formats for bid development 5%

11B. LAB CONTENT:

No lab

- 12. METHODS OF INSTRUCTION** (List methods used to present course content.)

1. Field Trips
2. Lecture
3. Observation and Demonstration
4. Projects
5. Visiting Lecturers
6. Other (Specify)
7. Activity
8. Discussion

Other Methods:

Students solving estimating problems individually and in groups

SUPPLEMENTAL PAGE

Use only if additional space is needed. (Type the item number which is to be continued, followed by "continued.")

Show the page number in the blank at the bottom of the page. If the item being continued is on page 2 of the outline, the first supplemental page will be "2a." If additional supplemental pages are required for page 2, they are to be numbered as 2b, 2c, etc.)

1a. Prerequisites/Corequisites/Recommended Preparation:

PREREQUISITE(S):

CONMT 020: Blueprint Reading and Interpretation

RECOMMENDED PREPARATION:

MATH 221: Technical Mathematics

Subject course and pre/corequisite is: Adjunctive

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