CONS 72 Course Outline as of Summer 2012

CATALOG INFORMATION

Dept and Nbr: CONS 72 Title: CONST ESTIMATING
Full Title: Construction Estimating
Last Reviewed: 5/8/1998

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	17.5	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00 Total Student Learning Hours: 157.50

Title 5 Category:	AA Degree Applicable
Grading:	Grade Only
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	

Catalog Description:
An introduction to quantity surveying techniques and practices related to residential construction, including: earthwork and sitework; board and lineal measurements; footings and sub-surface construction; concrete (formwork and reinforcing); floor assemblies; interior and exterior wall members and materials; roof members and materials; and common sources of errors. May include computer program applications.

Prerequisites/Corequisites:
Course Completion of CONS 80A OR Course Completion of CONS 60 (or CONS 270 or CONS 370 or CONS 82)

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: Introduction to quantity surveying techniques for determining materials to be used in building construction. Common building systems and materials. (Grade Only)
Prerequisites/Corequisites: Course Completion of CONS 80A OR Course Completion of CONS

60 (or CONS 270 or CONS 370 or CONS 82)
Recommended:
Limits on Enrollment:
Transfer Credit:
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:

CSU Transfer:	Effective:	Inactive:
UC Transfer:	Effective:	Inactive:

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
Upon completion of the course the student will be expected to:
1. Be able to complete a quantity survey of a residential construction project using correct documentation procedures with accurate results.
2. Be able to do material take-offs for common building materials.
3. Describe the role of quantity surveying in the construction project cycle.

Topics and Scope:

1. Construction project development, and use of drawings and specs.
2. Earthwork and sitework.
3. Wood in construction - Board and lineal measurements.
4. Footings and sub-surface construction.
5. Concrete (formwork and reinforcing).
6. Floor assemblies.
7. Interior and exterior wall members and materials.
8. Roof members and materials.
9. Common sources of errors.
10. Construction project cycle and quantity surveying.
11. Introduction to computer applications in quantity surveying.

Assignment:

1. Reading assignments
2. Calculation assignments

3. Completion of student project - materials take-off
4. Identify Mentor and document discussions

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.	Writing 0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, Quizzes, Exams, MATERIAL QUANTITY CALCULATIONS	Problem solving 30 - 60%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Performance exams, PROJECT ORGANIZATION AND DOCUMENTATION	Skill Demonstrations 10 - 30%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, True/false, Matching items, Completion	Exams 10 - 30%

Other: Includes any assessment tools that do not logically fit into the above categories.

CLASS PARTICIPATION DOCUMENTATION OF MENTOR DISCUSSIONS	Other Category 10 - 30%

Representative Textbooks and Materials:
ESTIMATING IN BUILDING CONSTRUCTION by D'Agostino. 4TH EDITION 1993