

**CONS 90 Course Outline as of Fall 2011****CATALOG INFORMATION**

Dept and Nbr: CONS 90 Title: CONSTRUCTION INDUSTRY

Full Title: The Construction Industry

Last Reviewed: 3/25/2002

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.50	Lecture Scheduled	1.50	17.5	Lecture Scheduled	26.25
Minimum	1.50	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	1.50		Contact Total	26.25
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 52.50

Total Student Learning Hours: 78.75

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:**

Overview of the construction industry, the building design process, the construction project process, and roles and responsibilities of those involved: clients, architects, engineers, contractors, project managers, technicians, sub-contractors, workers, suppliers, regulatory agencies, bankers, lawyers and the public. Includes career opportunities.

**Prerequisites/Corequisites:****Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100

**Limits on Enrollment:****Schedule of Classes Information:**

Description: Overview of the construction industry, the building design process, the construction project process, and roles and responsibilities of those involved. Includes career opportunities.  
(Grade Only)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 100 or ESL 100

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:**

The student will:

1. Identify members of the construction industry.
2. Examine the building design process.
3. Analyze the construction project process.
4. Identify participants in the construction process and analyze and compare their roles & responsibilities.
5. Differentiate among roles & responsibilities of architects and architectural technicians, and contractors & construction management technicians.
6. Apply a formal problem-solving process to common problems encountered in a construction project.

**Topics and Scope:**

1. Construction industry organization (w/technological team) and opportunities.
2. The building design process.
3. The construction project process.
4. Overview of roles and responsibilities of those involved in building design process.
5. Overview of roles and responsibilities of those involved in construction project process.
6. The architect and architectural technician.
7. The contractor and construction management technician.
8. The formal problem-solving process.
9. Using the problem-solving process, individually and in a group.

**Assignment:**

1. Reading and exercises from text.
2. Assignments, such as:
  - a. Identifying technological team member responsibilities
  - b. Documenting the building design process
  - c. Documenting the construction project process
  - d. Identifying the process participants and their role and responsibilities
  - e. Documenting the problem-solving process
  - f. Practice problem-solving techniques, strategies and skills
  - g. Individual problem-solving exercises to demonstrate skills mastery
  - h. Group problem-solving exercises to demonstrate skills mastery
3. Conduct research and write about an aspect of the construction industry.

**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.

Written homework, Term papers, CONSTRUCTION REPORTS & FORMS

Writing  
30 - 50%

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

Homework problems, Quizzes, Exams, PROJECT SCHEDULES

Problem solving  
10 - 25%

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

Class performances, Performance exams

Skill Demonstrations  
10 - 25%

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

Multiple choice, True/false, Matching items, Completion

Exams  
20 - 30%

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

CLASS PARTICIPATION

Other Category  
0 - 10%

**Representative Textbooks and Materials:**

Handouts and instructor developed materials.