

CATALOG INFORMATION

Dept and Nbr: CONS 75

Title: SPECIFICATIONS

Full Title: Specifications

Last Reviewed: 1/28/2019

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.50	Lecture Scheduled	3.00	8	Lecture Scheduled	24.00
Minimum	1.50	Lab Scheduled	0	7	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	24.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 48.00

Total Student Learning Hours: 72.00

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:**  
Introduction to the CSI (Construction Specifications Institute) Masterformat system for organizing, writing and interpreting specifications. Subjects covered include: numbering and naming Sections; the three part Section; correct language; coordinating with other construction documents; interpreting a specification; writing a specification Section.

**Prerequisites/Corequisites:**  
Course Completion of ARCH 71A ( or CONS 71) OR Course Completion of CONS 71A

**Recommended Preparation:**

**Limits on Enrollment:**

**Schedule of Classes Information:**  
Description: Introduction to the CSI Masterformat system for organizing, writing and interpreting specifications. (Grade Only)  
Prerequisites/Corequisites: Course Completion of ARCH 71A ( or CONS 71) OR Course Completion of CONS 71A  
Recommended:

Limits on Enrollment:

Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective: Fall 1999	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

Upon completion of this course the student will be able to:

1. Organize a specification according to the CSI Masterformat.
2. Analyze drawings and identify the correct specification location for construction product information, according to the CSI Masterformat.
3. Analyze and document the relationship of specifications to other construction documents.
4. Interpret information contained in a specification.
5. Write specification Sections according to professional conventions.

### **Topics and Scope:**

- I. Specifications
  - A. Purpose and role in construction project
  - B. Reference information for specifications - standards and manufacturers data
  - C. Integration of specifications with other construction documents
- II. Working Drawings and Construction Contract
  - A. General conditions
  - B. Precedence and conflicts
- III. CSI Masterformat
  - A. What goes where?
  - B. Using the three part specification Section to present product information
- IV. Reading a Specification to get Materials Information
- V. Sample Specifications
  - A. Organization
  - B. Content
  - C. Correct language

## VI. Writing Specifications

### Assignment:

Problem solving:

1. Identify correct CSI Section number for different construction materials.
2. Conduct online research about the organization of specifications.
3. Do material research to determine relevant specification information.

Writing:

4. Using material from assignments 1-3, write one three-part specification Section using correct language.
5. 2-3 brief essays about issues related to specification (2 pages each).
6. Student Project: organize a specification using the CSI Masterformat and relating the specification data to the working drawings (graded 50% writing, 50% problem solving).
7. Reading: approximately 10-20 pages per week.
8. Final exam.

### 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.

Student project; essays

Writing  
30 - 40%

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

Homework problems, Assignments 1-3 and student project

Problem solving  
30 - 40%

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

None

Skill Demonstrations  
0 - 0%

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

Multiple choice, True/false, Matching items, Completion, Short answer

Exams  
10 - 20%

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

Attendance and Participation

Other Category  
0 - 10%

### Representative Textbooks and Materials:

Rosen, H.J. and Regner, J.R. Construction Specifications Writing: Principles & Procedures, 5th edition. Wiley and Sons, 2005.