CNST A196: GREEN BUILDING CODES

Item	Value
Curriculum Committee Approval Date	12/02/2020
Top Code	095720 - Construction Inspection
Units	1.5 Total Units
Hours	27 Total Hours (Lecture Hours 27)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Standard Letter (S), • Pass/No Pass (B)

Course Description

A complete analysis of the California Green Building Code. Special local Green Building ordinances are also covered along with a comparison of the International Green Building Code. Enrollment Limitation: ARCH A196; students who complete CNST A196 may not enroll in or receive credit for ARCH A196. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Explain the history of the Green Building Code governing residential and commercial construction in California, the origins of sustainable construction codes and the environmental and climatic conditions reasons why the state adopted the Green Building Code.
2. Summarize the requirements of the California Green Building Code, local amendments, rules and regulations for the submission and approval of building construction plans/documents in California.
3. Explain the responsibilities of the Building inspector, designer and contractor pertaining to green building.

Course Objectives

- 1. Explain the origins of sustainable construction codes.
- 2. Summarize the requirements of the California Green Building Code.
- 3. Explain the responsibilities of the contractors, designer, and inspector pertaining to green building.

Lecture Content

History of Sustainable Construction What is Green Building Environmental impacts of the building industry Green Building development and planning. Green Building practices Green Building Codes Green Building model codes LEED Design Building it Green. International Construction Conservation Code California Green Building Code Local Green Building Ordinances CA Green Building Code Mandatory Measures Interior environment Ventilation and humidity controls Water Efficiency of plumbing fixtures Special Inspections and Reports

Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)

Instructional Techniques

1. Detailed multimedia/lectures of each topic covered. 2. Student feedback during each lecture. 3. Detailed illustrative discussions of lecture handout and textbook information.

Reading Assignments

Students will be assigned a weekly reading assignment; approximately 1-2 hours per week.

Writing Assignments

Students will complete a research paper on Green Building; approximately 10-15 hours over the duration of the course.

Out-of-class Assignments

Students will have a homework assignment based on assigned reading; approximately 1-2 hours per week.

Demonstration of Critical Thinking

1. Test and quizzes 2. Research paper.

Required Writing, Problem Solving, Skills Demonstration

Students will show proficiency by completing written assignements and understanding the requirements of the California Green Building Code.

Eligible Disciplines

Construction technology: Any bachelor's degree and two years of professional experience, or any associate degree and six years of professional experience.

Textbooks Resources

1. Required International Code Council. California Green Building Standards Code, 2016 ed. Whittier: International Code Council, 2016