

BCI C111: INTERNATIONAL RESIDENTIAL CODE

Item	Value
Curriculum Committee Approval Date	12/06/2024
Top Code	095720 - Construction Inspection
Units	3 Total Units
Hours	54 Total Hours (Lecture Hours 54)
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)

Course Description

Formerly: BCT C311. Comprehensive study of International Residential Code for One and Two-Family Dwellings. Topics include all residential code requirements for building a home according to IRC, including international building, electrical, plumbing, mechanical, and fire codes. Academic experiences are designed to develop skills in noncommercial construction. Field experiences are used when applicable. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Identify the general requirements regulating wiring methods, wall construction and wall covering, ceiling construction and roof construction, installation of mechanical appliances, requirements for the installation of plumbing systems and installation of exhaust systems.

Course Objectives

- 1. Identify the administrative provisions of the International Residential Code.
- 2. Categorize design criteria for projects.
- 3. Identify the health and safety criteria of the International Residential Code.
- 4. Compare the requirements relating to foundation systems.

Lecture Content

Provisions of the International Residential Code Foundation Systems (Wall Construction) Energy Efficient Design and Construction Installation of Mechanical Appliances Plumbing Systems Gas and Electrical Systems

Method(s) of Instruction

- Lecture (02)
- DE Online Lecture (02X)

Instructional Techniques

A variety of instructional techniques will be employed to encompass different student learning styles. These may include, but are not limited to, lecture, discussion, projects and small group activities. Instruction

will be supplemented, where appropriate, by digital media presentations resources, guest speakers and field trips.

Reading Assignments

Complete reading assignments assigned from the textbook, supplemental readings, handouts, internet resources, and any assignments from Coastline's Library.

Writing Assignments

Weekly projects, plans, revisions, discussion topic responses that will demonstrate skills application through authentic projects.

Out-of-class Assignments

Read/View the required materials, conduct appropriate research, prepare documents/plans, complete and revise projects, and prepare for quizzes/exams and certification exams.

Demonstration of Critical Thinking

Demonstrate critical thinking by planning projects, and applying skills learned, as well as active participation in class discussions.

Required Writing, Problem Solving, Skills Demonstration

Written assignments, projects and/or skills demonstrations related to industry requirements.

Eligible Disciplines

Building codes and regulations (inspecting of construction, building codes,...): Any bachelor's degree and two years of professional experience, or any associate degree and six years of professional experience.

Other Resources

1. 2020 International Residential Code iccsafe.org
2. Coastline Library