

BIT 325A: CALIFORNIA RESIDENTIAL CODE ADMINISTRATION & PLANNING

New Course Proposal

Date Submitted: Tue, 20 Aug 2019 21:14:49 GMT

Originator

zbecker

Co-Contributor(s)

Name(s)

Bitanga, Bert

Justification / Rationale

This course is a non-credit version of the credit California Residential Code course. The non-credit version provides vocational skills training opportunities to the incumbent workforce and those currently unemployed or underemployed. This course covers administration and planning for residential construction.

Effective Term

Fall 2020

Credit Status

Noncredit

Subject

BIT - Building Inspection Technology

Course Number

325A

Full Course Title

California Residential Code Administration & Planning

Short Title

CA RESIDENTIAL CODE ADMIN

Discipline

Disciplines List

Building Codes and Regulations (Inspecting of construction, building codes, contractor training)

Modality

Face-to-Face

100% Online

Catalog Description

This course covers information from the most updated version of the California Residential Code and complies with all building, plumbing, mechanical, fuel gas, and electrical requirements for family dwellings from one to three stories as mandated by the California Building Standards Commission. Topics under Title 24, Part 2.5 include Scope and Application, Administration, Definitions, Building Planning and Foundations.

Schedule Description

California Residential Code Administration, Planning and Foundations for one to three story residential dwellings.

Non-credit Hours

81

Lecture Units

0

Lab Units

0

In-class Hours

27

Out-of-class Hours

54

Total Course Units

0

Total Semester Hours

81

Override Description

Noncredit courses do not have lecture and lab. The out of class hours were adjusted to provide the same total as the equivalent credit course.

Required Text and Other Instructional Materials**Resource Type**

Book

Author

California Building Standards Commission

Title

California Residential Code

City

Sacramento, CA

Publisher

International Code Council

Year

2019

College Level

Yes

Flesch-Kincaid Level

12.4

ISBN #

9781609834586

Class Size Maximum

28

Course Content

1. Introduction.
2. Scope and Application.
3. California Administration and Certification process.
 - a. Department of Housing Community Development.
 - b. Local Enforcing Agency.
 - c. Permits, Fees, Applications and Inspections.
4. Administration.

- a. Department of Building Safety.
 - b. Duties and Powers of the Building Official.
 - c. Permits.
 - d. Construction Documents.
 - e. Temporary Structures and Uses.
 - f. Fees.
 - g. Inspections.
 - h. Certificate of Occupancy.
 - i. Service Utilities.
5. Definitions.
6. Building Planning.
- a. Site Drainage.
 - b. Design Criteria.
 - c. Fire-Resistant Construction.
 - d. Light, Ventilation and Heating.
 - e. Minimum Room Areas.
 - f. Glazing.
 - g. Garages and Carports.
 - h. Means of Egress.
 - i. Automatic Fire Sprinkler Systems.
 - j. Smoke Alarms.
 - k. Accessibility.
 - l. Solar Photovoltaic Panels/Modules.
7. Foundations.
- a. Materials.
 - b. Footings.
 - c. Foundation and Retaining Walls.
 - d. Foundation Drainage.
 - e. Foundation Waterproofing and Dampproofing.

Course Objectives

Objectives	
Objective 1	Apply codes to building designs.
Objective 2	Discuss the professional certification examination process.
Objective 3	Discuss skills required for employment opportunities in the private or public sectors.

Student Learning Outcomes

Upon satisfactory completion of this course, students will be able to:	
Outcome 1	Describe the history of residential regulation in California and related codes.
Outcome 2	Cite the California residential codes in construction, regulation, and design.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Discussion	Classroom and group discussions of code applicable examples.
Demonstration, Repetition/Practice	Discussion of applicable code example.
Participation	Class discussion and questions.
Lecture	Presentation of topic in context.

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Presentations/student demonstration observations	Research code sections and examples out of class and create a 10-minute in-class presentation.	In and Out of Class

Student participation/contribution	Active participation in class and group discussions, including evaluation of code example presentations.	In Class Only
Mid-term and final evaluations	Comprehensive exams covering the residential building codes. Exam may be a project completed out-of-class or a multiple choice exam completed in-class.	In Class Only
Tests/Quizzes/Examinations	Quizzes on each code topic to be completed out-of-class with discussion of correct answers completed in-class.	In and Out of Class
Group activity participation/observation	Group observation and critique of peer code example presentations.	In Class Only
Other	Out-of-class hours will be accounted for electronically through the learning management system.	Out of Class Only

Assignments

Other In-class Assignments

1. Presentation of class subjects and materials.
2. Review code sections.
3. Evaluate examples of code applications.
4. Present research projects.
5. Critique content of presentations.

Other Out-of-class Assignments

1. Reading assignments of codes and handouts.
2. Visit construction sites.
3. Review code sections presented in class.
4. Research code sections and applications to plan check and construction.

Grade Methods

Pass/No Pass Only

Distance Education Checklist

Instructional Materials and Resources

If you use any other technologies in addition to the college LMS, what other technologies will you use and how are you ensuring student data security?

The college LMS will be the only technology used to hold student data.

Effective Student/Faculty Contact

Which of the following methods of regular, timely, and effective student/faculty contact will be used in this course?

Within Course Management System:

Timely feedback and return of student work as specified in the syllabus
 Discussion forums with substantive instructor participation
 Chat room/instant messaging
 Regular virtual office hours
 Online quizzes and examinations
 Weekly announcements

External to Course Management System:

Direct e-mail
 Posted audio/video (including YouTube, 3cm mediasolutions, etc.)

Briefly discuss how the selected strategies above will be used to maintain Regular Effective Contact in the course.

Timely feedback and return of student work as specified in the syllabus
 Discussion forums with substantive instructor participation
 Online quizzes and examinations

Weekly announcements

If interacting with students outside the LMS, explain how additional interactions with students outside the LMS will enhance student learning.

Direct e-mail

Other Information

Provide any other relevant information that will help the Curriculum Committee assess the viability of offering this course in an online or hybrid modality.

Course introduces students to the online California Building Codes which they will need to read and reference online throughout careers in the construction industry.

MIS Course Data

CIP Code

46.0403 - Building/Home/Construction Inspection/Inspector.

TOP Code

095720 - Construction Inspection

SAM Code

C - Clearly Occupational

Basic Skills Status

Not Basic Skills

Prior College Level

Not applicable

Cooperative Work Experience

Not a Coop Course

Course Classification Status

Other Non-credit Enhanced Funding

Approved Special Class

Not special class

Noncredit Category

Short-Term Vocational

Funding Agency Category

Not Applicable

Program Status

Program Applicable

Transfer Status

Not transferable

Allow Audit

No

Repeatability

Yes

Repeatability Limit

NC

Repeat Type

Noncredit

Justification

Noncredit courses are repeatable until students are comfortable they have achieved the skills and knowledge required to meet the objectives and outcomes of the course.

Materials Fee

No

Additional Fees?

No

Approvals**Curriculum Committee Approval Date**

10/17/2019

Academic Senate Approval Date

10/24/2019

Board of Trustees Approval Date

11/13/2019

Chancellor's Office Approval Date

01/10/2020

Course Control Number

CCC000611551

Programs referencing this course

California Residential Codes Certificate of Completion (<http://catalog.collegeofthedesert.eduundefined?key=254/>)

Construction Technology Career Preparation Certificate of Completion (<http://catalog.collegeofthedesert.eduundefined?key=292/>)