

# BIT 310C: CALIFORNIA BUILDING CODES CONSTRUCTION MATERIALS

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## New Course Proposal

Date Submitted: Tue, 20 Aug 2019 21:12:56 GMT

### Originator

zbecker

### Co-Contributor(s)

#### Name(s)

Bitanga, Bert

### Justification / Rationale

This course is Module 3 of 3 of a non-credit overlay version of BIT 10 California Building Codes. The non-credit version provides vocational skills training opportunities to the incumbent workforce and those currently underemployed or unemployed.

### Effective Term

Fall 2020

### Credit Status

Noncredit

### Subject

BIT - Building Inspection Technology

### Course Number

310C

### Full Course Title

California Building Codes Construction Materials

### Short Title

CA BLDG CODES CONST MAT

### Discipline

#### Disciplines List

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

### Modality

Face-to-Face

100% Online

### Catalog Description

Introduction to how the California Building, Housing, and Disabled Access Codes are used for construction, maintenance, and use of buildings and grounds within the State of California apply to Construction Materials. It emphasizes an understanding of code sections and provisions and the relationships between building, housing, energy and disabled access codes.

### Schedule Description

Application of California Building, Housing, and Disabled Access Codes to Construction Materials. Prerequisite: BIT 310A

### Non-credit Hours

54

### Lecture Units

0

### Lab Units

0

**In-class Hours**

18

**Out-of-class Hours**

36

**Total Course Units**

0

**Total Semester Hours**

54

**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.

**Prerequisite Course(s)**

BIT 310A

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

Book

**Author**

California Building Standards Commission

**Title**

California Building Codes, Volume II

**Edition**

latest

**City**

Sacramento

**Publisher**

International Code Council

**Year**

2019

**College Level**

Yes

**Flesch-Kincaid Level**

12.4

**ISBN #**

978160983911

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**Class Size Maximum**

28

**Entrance Skills**

Explain the California Building Codes used in construction regulation and design.

**Requisite Course Objectives**

BIT 310A-Explain the California Building Codes used in construction, regulation and design.

**Course Content**

1. Building Construction Processes.
2. Construction Materials Use (Volume II,15-35).

**Course Objectives**

Objectives	
Objective 1	Explain how the California Building Codes used in construction, regulation and design impact the selection of Construction Materials.

**Student Learning Outcomes**

Upon satisfactory completion of this course, students will be able to:	
Outcome 1	Cite California building codes in construction, regulation, and design that apply to the selection of Construction Materials.
Outcome 2	Evaluate the appropriate use of construction materials with respect to the requirements of the California building 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.
Demonstration, Repetition/Practice	Discussion of applicable code examples.
Participation	Class discussion and questions.
Lecture	Presentation of topic in context.
Other (Specify)	Presentation of construction materials.

**Methods of Evaluation**

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Self-paced testing, Student preparation	Research appropriate building codes that apply to construction materials used on a residential construction project and create a 10-minute presentation demonstrating both the solution and the research used to determine the solution.	Out of Class Only
Presentations/student demonstration observations	Present 10-minute code application research project created out of class.	In Class Only
Student participation/contribution	Active participation in class and group discussions	In Class Only
Group activity participation/observation	Evaluate student presentations on code examples and provide both supportive and critical comments verbally in class and as a written assignment out of class.	In and Out of Class
Tests/Quizzes/Examinations	Timed quizzes completed out of class and discussion of correct answers in class.	In and Out of Class
Mid-term and final evaluations	Comprehensive exams covering the entire content of the class. Exams may include project analysis or multiple choice and true/false questions.	In and Out of Class
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 residential construction material examples.
4. Present research projects.

**Other Out-of-class Assignments**

1. Reading assignments of codes and handouts.
2. Visit construction sites.
3. Review code sections presented in classes.
4. Research building code applications to construction materials.

**Grade Methods**

Pass/No Pass Only

**Distance Education Checklist****Instructional Materials and Resources****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

**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

**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 outcomes and objectives 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**

CCC000611545

**Programs referencing this course**

California Building Codes Certificate of Completion (<http://catalog.collegeofthedesert.eduundefined?key=253/>)