

BIT 326A: BUILDING & FIRE CODES INTRODUCTION

New Course Proposal

Date Submitted: Wed, 11 Sep 2019 14:45:04 GMT

Originator

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Co-Contributor(s)

Name(s)

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Justification / Rationale

This course is Module 1 of 2 of a non-credit overlay version of BIT 26 California Fire Codes. The non-credit version provides vocational skills training opportunities to the incumbent workforce and those currently underemployed or unemployed.

This module presents the general requirement provisions, the need for regulation, navigating the California Code manual and the fundamentals of compliance.

Effective Term

Fall 2020

Credit Status

Noncredit

Subject

BIT - Building Inspection Technology

Course Number

326A

Full Course Title

Building & Fire Codes Introduction

Short Title

BLDG/FIRE CODES INTRO

Discipline

Disciplines List

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

Modality

Face-to-Face

100% Online

Catalog Description

This course involves building and fire codes used for construction, maintenance, and use of buildings and grounds in the State of California. It places an emphasis on understanding and application of code sections and provisions, and the relation between Fire and Building Codes. It addresses elements of codes in areas of special occupancy and building codes appendices as they apply to both building and fire applications.

Schedule Description

This course introduces building and fire codes used for construction, maintenance, and use of buildings and grounds in the State of California.

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**

Web/Other

Open Educational Resource

Yes

Year

2016

Description

California Building Code, latest edition
<https://www.contractorresource.com/2016-california-fire-code/>

Class Size Maximum

36

Course Content

1. Introduction.
2. General code requirement provisions, Building and Fire Codes.
3. Requirements for types of construction.
4. Occupancy Building and Fire Code requirements.
5. Provisions in Building and Fire Codes for Fire Sprinklers and Alarm Systems.
6. Building Framing and Roofing Requirements-Building and Fire priorities.
7. Concrete and Steel Construction.
8. Handling and Classification of Hazardous Materials.

Course Objectives**Objectives**

Objective 1 Demonstrate an understanding of Fire and Building codes to apply them in construction, regulation, and design.

Student Learning Outcomes**Upon satisfactory completion of this course, students will be able to:**

Outcome 1 Cite California fire codes used in construction, regulation, and design.

Outcome 2 Describe the elements of fire codes in areas of special occupancies and grading.

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.
Lecture	Guest speakers; Use of overhead transparencies and videos.
Participation	Student evaluation of case studies related to the industry.
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
Presentations/student demonstration observations	Research out-of-class and present in-class, an evaluation of an existing job site.	In and Out of Class
Student participation/contribution	Participation in class and group discussions.	In Class Only
Mid-term and final evaluations	Written examinations and/or project portfolios to test overall knowledge obtained in the class.	In Class Only
Tests/Quizzes/Examinations	Timed examinations and workbooks to review and test knowledge. Quizzes completed out-of-class and discussion of correct answers in-class.	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. Maintenance and use of handout class materials.

Other Out-of-class Assignments

1. Reading assignments of codes and handouts.
2. Visit construction sites.
3. Review code sections presented in classes.
4. Maintenance and use of handout class materials.

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?

Only the college LMS will be used.

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
 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 with comments 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.**

Building Inspection Codes reference materials are all online and students will need to be comfortable referencing them online throughout their careers in the industry. Learning online is very appropriate and will provide additional career readiness.

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

Yes

Repeatability

Yes

Repeatability Limit

NC

Repeat Type

Noncredit

Justification

Noncredit courses are repeatable until students achieve 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

CCC000611553

Programs referencing this courseCalifornia Building/Fire Codes Certificate of Completion (<http://catalog.collegeofthedesert.eduundefined?key=276/>)