

CSFM 085C: FIRE INSPECTOR 1C: FIELD INSPECTION

Date Submitted: Sat, 27 Jun 2020 00:48:03 GMT

Originator

asventura

Justification / Rationale

Periodic course review. The last time the state increased these fees was in 2008. SFT has new diploma fee increases that will go into effect on July 1, 2020.

Effective Term

Fall 2020

Credit Status

Credit - Degree Applicable

Subject

CSFM - California State Fire Marshal

Course Number

085C

Full Course Title

Fire Inspector 1C: Field Inspection

Short Title

FIRE INSPECTOR 1C

Discipline**Disciplines List**

Fire Technology

Modality

Face-to-Face

Hybrid

Catalog Description

This course provides students with a basic knowledge of field inspection roles and responsibilities of a Fire Inspector I. This includes basic plan review, emergency access for an existing system, hazardous materials, and the operational readiness of fixed fire suppression systems, existing fire detection and alarm systems, and portable fire extinguishers. Upon successful completion of the course, a CSFM diploma fee of \$140 is required to cover the California State Fire Training Certificate of Completion.

Schedule Description

This course provides students with a basic knowledge of field inspection roles and responsibilities of a Fire Inspector I. This includes basic plan review, emergency access for an existing system, hazardous materials, and the operational readiness of fixed fire suppression systems, existing fire detection and alarm systems, and portable fire extinguishers. Upon successful completion of the course, a CSFM diploma fee of \$140 is required to cover the California State Fire Training Certificate of Completion.
Prerequisite: CSFM 085B

Lecture Units

1

Lecture Semester Hours

24

Lab Units

0

In-class Hours

24

Out-of-class Hours

30

Total Course Units

1

Total Semester Hours

54

Override Description

In order for the class to meet the requirements of the California State Fire Marshal, the class must meet for 24 hours, so there are six additional in class hours and six less out of class hours than a standard one unit lecture class.

Prerequisite Course(s)

CSFM 085B

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

Book

Author

None

Title

Fire Inspector: Principles and Practice

Edition

First

Publisher

Jones Bartlett and IAFC

Year

2016

College Level

Yes

Flesch-Kincaid Level

12

ISBN #

9781284137743

Resource Type

Book

Author

None

Title

2013 California Fire Code (with Title 19 excerpts)

Publisher

California Building Standards Commission

Year

2013

College Level

Yes

Flesch-Kincaid Level

12

ISBN #

9781609834609

Class Size Maximum

30

Entrance Skills

Read, comprehend and summarize content from CSFM 085B.

Requisite Course Objectives

CSFM 085B-Verify the type of construction for an addition or remodel in order to identify and record the construction type in accordance with applicable codes and standards and jurisdictional policies.

CSFM 085B-Describe applicable codes and standards adopted by the jurisdiction during the fire code adoption process.

CSFM 085B-Recognize occupancy classification types.

CSFM 085B-List the California state-regulated occupancy classifications.

CSFM 085B-Recognize hazardous conditions involving equipment, processes, and operations in order to verify that equipment is maintained and processes and operations are conducted in accordance with applicable codes and standards.

CSFM 085B-Discuss hazardous fire growth potential in a building or space.

CSFM 085B-Identify what types of occupancies are required to have an evacuation plan.

Course Content

1. Introduction
 - a. Orientation and Administration
 - b. Fire Marshal Certification Process
2. Basic Plan Review
 - a. Comparing Approved Plans and Existing Fire Protection Systems
3. Emergency Access for an Existing System
 - a. Inspecting Emergency Access for an Existing System
4. Operational Readiness of Fixed Fire Suppression Systems
 - a. Determining the Operational Readiness of Fixed Fire Suppression Systems
5. Operational Readiness of Existing Fire Detection and Alarm Systems
 - a. Determining the Operational Readiness of Existing Fire Detection and Alarm Systems
6. Operational Readiness of Portable Fire Extinguishers
 - a. Determining the Operational Readiness of Portable Fire Extinguishers
7. Hazardous Materials
 - a. Classification and Properties
 - b. Verifying Code Compliance for Incidental Storage, Handling, and Use of Flammable and Combustible Liquids and Gases
 - c. Verifying Code Compliance for Incidental Storage, Handling, and Use of Hazardous Materials

Course Objectives

	Objectives
Objective 1	Identify different levels in the Fire Marshal certification track, the courses and requirements for Fire Inspector I certification, and be able to describe the capstone task book and testing process.
Objective 2	Compare an approved plan to an existing fire protection system.
Objective 3	Examine submitted plans for fire protection systems.
Objective 4	Identify fire protection symbols and terminology associated with plans for fire protection systems.
Objective 5	Discuss codes and standards applicable to emergency access.
Objective 6	List emergency access requirements contained in the applicable codes and standards.
Objective 7	Evaluate the operational readiness of existing fixed fire suppression systems in order to ensure operational readiness.
Objective 8	Evaluate the operational readiness of existing fire detection and alarm systems in order to ensure operational readiness.

Objective 9	Identify the components and operation of fire detection and alarm systems and devices.
Objective 10	Examine the operational readiness of existing portable fire extinguishers in order to ensure operational readiness.
Objective 11	Identify codes and standards applicable to portable fire extinguishers.
Objective 12	Discuss the chemical properties of liquids, gases, and solids.
Objective 13	Examine code compliance for incidental storage, handling, and use of flammable and combustible liquids and gases in order to address applicable codes and standards.
Objective 14	Identify the classification of hazardous materials.

Student Learning Outcomes

Upon satisfactory completion of this course, students will be able to:

Outcome 1	Describe components and operations of fixed fire detection and suppression systems.
Outcome 2	Analyze fire codes pertaining to the handling and storage hazardous material in buildings.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Activity	In class scenario based activities
Role Playing	Student based role playing
Participation	Question and Answer activities
Lecture	Lecture and power point presentation
Discussion	Basic Plan Reviews of new and existing buildings

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Written homework	Reading assignments and research are required and may include but, are not limited to, the following in preparation for the CSFM final examination: Course textbook(s) California Building Code California Fire Code Title 19	Out of Class Only
Student participation/contribution	Discuss the plan review process and fire protection systems review process, hazardous materials, Emergency Access for an existing system, and operational readiness of fixed fire suppression and fire detection systems	In Class Only
Mid-term and final evaluations	CSFM final exam	In Class Only
Group activity participation/observation	Administer quizzes on building and fire plans symbols	In Class Only
Presentations/student demonstration observations	Complete plan review assignment in preparation for individual class presentation	In and Out of Class
Written homework	Read and review text book comparing an approved plan to an existing fire protection system, codes and standards applicable to emergency access, and Identify codes and standards applicable to portable fire extinguishers in preparation for the CSFM final examination.	Out of Class Only

Assignments

Other In-class Assignments

1. Reading assignments are required and may include but, are not limited to, the following:
 - a. Course textbook(s)
 - b. California Building Code

- c. California Fire Code
 - d. Title 19
2. In class activities
- a. Comparing approved plans and existing fire protection systems
 - b. Determining the Operational Readiness of Existing Fire Detection and Alarm Systems
 - c. Determining the Operational Readiness of Portable Fire Extinguishers

Other Out-of-class Assignments

1. Reading assignments and research are required and may include but, are not limited to, the following:
 - a. Course textbook(s)
 - b. California Building Code
 - c. California Fire Code
 - d. Title 19
2. Research specific sections of the California Building and Fire Codes pertaining to the following:
 - a. Code compliance for incidental storage, handling, and use of flammable and combustible liquids and gases in order to address applicable codes and standards.
 - b. Procedures to examine the operational readiness of existing portable fire extinguishers in order to ensure operational readiness.
 - c. Identify the components and operation of fire detection and alarm systems and devices.
 - d. Identify fire protection symbols and terminology associated with plans for fire protection systems.
3. Research and prepare for in class presentation assignment
4. Read and review text book covering Basic Plan reviews, Emergency Access for an Existing System, Operational Readiness of Fixed Fire Suppression Systems, Operational Readiness of Existing Fire Detection and Alarm Systems, Operational Readiness of Portable Fire Extinguishers, and Hazardous Materials in preparation for the CSFM final examination.

Grade Methods

Pass/No Pass Only

Distance Education Checklist

Include the percentage of online and on-campus instruction you anticipate.

Online %

49

On-campus %

51

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?

May use Zoom to encourage group or individual online meetings or discussions. Student data security will not be affected.

If used, explain how specific materials and resources outside the LMS will be used to enhance student learning.

Zoom will engage student/instructor interactions along with student to student interactions. It provides the opportunity to create a virtual classroom.

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
Video or audio feedback
Weekly announcements

External to Course Management System:

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

For hybrid courses:

Scheduled Face-to-Face group or individual meetings
Field trips
Orientation, study, and/or review sessions

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

Use of the selected strategies provide instructor/student interactions throughout the course. Effective contact will occur throughout the course by way of announcements, comments provided when grading assignments, video responses, interactive group discussions with the instructor providing feedback, emails, and phone calls.

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

Phone calls with students provide immediate feedback or clarification when assignments are not fully understood.

Other Information**MIS Course Data****CIP Code**

43.0201 - Fire Prevention and Safety Technology/Technician.

TOP Code

213300 - Fire Technology

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

Credit Course

Approved Special Class

Not special class

Noncredit Category

Not Applicable, Credit Course

Funding Agency Category

Not Applicable

Program Status

Program Applicable

Transfer Status

Not transferable

General Education Status

Not applicable

Support Course Status

Course is not a support course

Allow Audit

No

Repeatability

No

Materials Fee

No

Additional Fees?

Yes

Additional Fee Amount

\$140.00

Additional Fees Description

California State Fire Marshal Diploma Fee

Approvals**Curriculum Committee Approval Date**

5/05/2020

Academic Senate Approval Date

5/14/2020

Board of Trustees Approval Date

6/18/2020

Chancellor's Office Approval Date

6/26/2020

Course Control Number

CCC000576952

Programs referencing this course

Fire Technology Certificate of Achievement (<http://catalog.collegeofthedesert.eduundefined?key=146/>)