

CSFM 077A: FIRE INVESTIGATION 1A: FIRE ORIGIN & CAUSE DETERMINATION

Date Submitted: Sat, 27 Jun 2020 00:25:40 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

077A

Full Course Title

Fire Investigation 1A: Fire Origin & Cause Determination

Short Title

FIRE INVESTGATION 1A

Discipline**Disciplines List**

Fire Technology

Modality

Face-to-Face

Catalog Description

This course provides the students with an introduction and basic overview of fire scene investigation. The focus of the course is to provide information on fire scene indicators and to determine the fire's origin. The CSFM 077A course is a California State Fire Marshal (CSFM) course. Upon successful completion of the course, a CSFM diploma fee of \$140 is required for this course to cover the California State Fire Training Certificate of Completion.

Schedule Description

Fire Origin & Cause Determination. This is the first of a two-course series. The CSFM 077A course is a California State Fire Marshal (CSFM) course. Upon successful completion of the course, a CSFM diploma fee of \$140 is required for this course to cover the California State Fire Training Certificate of Completion.

Lecture Units

2.5

Lecture Semester Hours

45

Lab Units

0

In-class Hours

45

Out-of-class Hours

90

Total Course Units

2.5

Total Semester Hours

135

Required Text and Other Instructional Materials
Resource Type

Web/Other

Description

Student Manual, Current Edition, CA State Fire Training

Class Size Maximum

25

Course Content

- a. Orientation and Administration
- b. Introduction to Fire Investigation
- c. Fire Behavior
- d. Legal Aspects of Fire Investigation
- e. Arson Law
- f. Fire Scene Documentation
- g. Point of Origin Determination
- h. Accidental Ignition Sources
- i. Electrical Ignition Sources
- j. Arson Fire Indicators
- k. Incendiary Devices
- l. Structure Fire Investigation
- m. Vehicle Fire Investigation
- n. Wildland Fire Investigation
- o. Explosions
- p. Course Review and Certification Exam

Course Objectives

Objectives	
Objective 1	Provide an overview of fire investigative practices and responsibilities associated with fire origin and cause
Objective 2	Provide technical information enabling them to determine the area of fire origin
Objective 3	Provide background information that will lead them to develop an opinion of the fire causes
Objective 4	Provide technical information on the State's arson laws and legal aspects of the fire scene investigation.

Student Learning Outcomes

Upon satisfactory completion of this course, students will be able to:	
Outcome 1	Upon completion of this course, a student will be able to identify the factors affecting the national arson problem.
Outcome 2	Illustrate the basics of documenting a fire scene and identify the relevant information within the scene and preserve it by sketching graphics.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Activity	Activity
Observation	Observation
Lecture	Lecture

Individualized Study	Individual Study
Discussion	Discussion

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	written homework	Out of Class Only
Self-paced testing	self-paced testing	Out of Class Only
Mid-term and final evaluations	mid-term and final evaluations	In Class Only
Group activity participation/observation	group activity	In and Out of Class
Presentations/student demonstration observations	presentations/student demonstration	In and Out of Class

Assignments
Other In-class Assignments

1. Classroom participation
2. Case study reviews
3. Reading

Other Out-of-class Assignments

1. Assigned reading from student manual

Grade Methods

Letter Grade Only

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

Yes

Per Education Code section 76365 and Title 5 regulations, please describe how the required material(s) meets the following.

Required Material Description

State Fire Training Diploma Fee

Tangible personal property?

Yes

Owned or controlled by the student?

Yes

Solely available from the district?

No

Continuing value outside the classroom setting?

Yes, will be included in students resume and portfolio

Additional Fees?

Yes

Additional Fee Amount

140.00

Additional Fees Description

State Fire Training 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

CCC000461754

Programs referencing this course

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