

CSFM 077B: FIRE INVESTIGATION 1B: TECHNIQUES OF FIRE INVESTIGATION

Date Submitted: Sat, 27 Jun 2020 00:26:40 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

077B

Full Course Title

Fire Investigation 1B: Techniques of Fire Investigation

Short Title

FIRE INVESTGATION 1B

Discipline**Disciplines List**

Fire Technology

Modality

Face-to-Face

Catalog Description

This course provides a deeper understanding of fire investigation and builds on Fire Investigation 1A. Topics include the juvenile fire setter, report writing, evidence preservation and collection, interview techniques, motives, and fire fatalities. The CSFM 077B 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

Techniques of Fire Investigation. This is the second of a two-course series. The CSFM 077B 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. Prerequisite: CSFM 077A

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

Prerequisite Course(s)

CSFM 077A

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

Web/Other

Description

California State Fire Marshal Student Manual. Edition 2000<http://osfm.fire.ca.gov/training/downloadablesftmanuals.php>

Class Size Maximum

25

Entrance Skills

Provide an overview of fire investigative practices and responsibilities associated with fire origin and cause.

Requisite Course Objectives

CSFM 077A-Provide an overview of fire investigative practices and responsibilities associated with fire origin and cause

Entrance Skills

Provide technical information enabling them to determine the area of fire origin.

Requisite Course Objectives

CSFM 077A-Provide technical information enabling them to determine the area of fire origin

Entrance Skills

Provide background information that will lead them to develop an opinion of the fire causes.

Requisite Course Objectives

CSFM 077A-Provide background information that will lead them to develop an opinion of the fire causes

Entrance Skills

Provide technical information on the State's arson laws and legal aspects of the fire scene investigation.

Requisite Course Objectives

CSFM 077A-Provide technical information on the State's arson laws and legal aspects of the fire scene investigation.

Course Content

- a. Introduction to Investigation 1B
- b. Motives
- c. Scene Safety for the Investigator
- d. Post Blast Investigation
- e. Scene Photography
- f. Evidence Recognition, Documentation, and Preservation
- g. Trace Evidence
- h. Introduction to Interviewing
- i. Techniques of Interviewing

- j. Introduction of Juvenile Law
- k. Scene Investigation
- l. Mechanism of Injury
- m. Introduction to Case Reports
- n. Insurance Information for the Fire Investigator
- o. Resources
- p. Building Construction Drawings and Terminology

Course Objectives

	Objectives
Objective 1	Describe possible motives of arsonists.
Objective 2	List information necessary for scene safety investigators including post blast investigation
Objective 3	Identify information on evidence recognition, documentation, and preservation of evidence including scene photography and trace evidence
Objective 4	Describe the witness and suspect interview and interrogation process including juvenile law.
Objective 5	Provide information on fire fatalities and injuries including scene investigation and mechanism of injury
Objective 6	Record information documentation of findings including case reports, insurance information, and other resources available to the investigator.

Student Learning Outcomes

	Upon satisfactory completion of this course, students will be able to:
Outcome 1	Demonstrate the ability to interview suspects.
Outcome 2	Develop a fire investigation report.
Outcome 3	Describe evidence recognition, documentation, preservation and scene photography.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Demonstration, Repetition/Practice	demonstration
Observation	observation
Lecture	lecture
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
Group activity participation/observation	group activity	In and Out of Class
Student participation/contribution	student participation	In and Out of Class
Mid-term and final evaluations	mid-term and final evaluations	In Class Only

Assignments

Other In-class Assignments

- Students will be responsible for reading and writing assignments based on scene safety for the investigator including post blast investigations, evidence collection, documentation, witness and suspect interrogation.
- Students will be assigned group activities pertaining to interview techniques associated with fire investigations.

Other Out-of-class Assignments

- Students will be assigned reading, writing assignments as well as other out of class assignments equal to two hours per one-hour of class lecture.

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, students can include with resume or 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

CCC000461755

Programs referencing this courseFire Technology Certificate of Achievement (<http://catalog.collegeofthedesert.eduundefined?key=146/>)