

CSFM 082A: FIRE APPARATUS DRIVER/OPERATOR 1A: EMERGENCY VEHICLE OPS

Date Submitted: Sat, 27 Jun 2020 00:38:50 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

082A

Full Course Title

Fire Apparatus Driver/Operator 1A: Emergency Vehicle Ops

Short Title

DRIVER/OPERATOR 1A

Discipline**Disciplines List**

Fire Technology

Modality

Face-to-Face

Catalog Description

This course provides information on fire apparatus preventive maintenance and driving/operating. Topics include: routine tests, inspections, and servicing functions, operate, back, maneuver, and turn a fire apparatus in a variety of conditions and operate all fixed systems and equipment on a fire apparatus. This course is based on the 2014 edition of NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications. This course fulfills the requirements for a Class C Firefighter Endorsement. A minimum of 40 hours is required. The CSFM 082A 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

This course provides students with information on driver responsibilities, recognized standards, and related laws for fire apparatus. Topics include: basic inspections, documentation, maintenance, troubleshooting fire apparatus, and techniques on driving and positioning the fire apparatus. The CSFM 082A 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. Advisory: ENG 061 Limitation on Enrollment: Hold a valid Class C driver's license (minimum)

Lecture Units

1

Lecture Semester Hours

18

Lab Units

.5

Lab Semester Hours

27

In-class Hours

45

Out-of-class Hours

36

Total Course Units

1.5

Total Semester Hours

81

Prerequisite Course(s)

Advisory: ENG 061

Limitation on Enrollment

Hold a valid Class C driver's license (minimum)

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

Book

Author

Jones and Bartlett

Title

Fire Apparatus Driver/Operator

Edition

2nd Edition/e

City

Burlington, MA

Publisher

Jones Bartlett

Year

2016

College Level

Yes

ISBN #

9781284026917

Resource Type

Web/Other

Description

Maintenance and Inspection Forms

Resource Type

Web/Other

Description

Applicable state and local laws

Class Size Maximum

25

Entrance Skills

Read texts and respond in writing at the literate level

Requisite Course Objectives

ENG 061-Demonstrate the ability to think critically and express ideas using various patterns of development.

ENG 061-Demonstrate the ability to use research skills including library resources such as books, periodicals, electronic databases and online resources such as the internet.

ENG 061-Demonstrate the ability to read and respond in writing beyond the literal interpretation of the text.

Course Content

1. Introduction
 - a. Orientation and Administration
 - b. 2. Fire Apparatus Driver/Operator - Pumping Apparatus Certification Process
2. Preventive Maintenance
 - a. Perform Routine Tests
 - b. Perform Routine Inspections and Servicing Functions
 - c. Document Routine Tests
 - d. Document Routine Inspections and Servicing Functions
3. Driving/Operating Apparatus
 - a. Operate a Fire Apparatus
 - b. Operate a Fire Apparatus Using Defensive Driving Techniques
 - c. Back a Fire Apparatus from a Roadway into a Restricted Space
 - d. Maneuver a Vehicle around Obstructions on a Roadway While Moving Forward and in reverse
 - e. Turn a Fire Apparatus 180 Degrees within a Confined Space
 - f. Maneuver a Fire Apparatus in Areas with Restricted Horizontal and Vertical Clearances
 - g. Operate All Fixed Systems and Equipment on a Fire Apparatus

Lab Content

Lab – list laboratory activities, noting linkage to SLOs. Provide detail regarding what the student is expected to do in the lab, not just the topics covered.

1. Three-points of entry and exit of fire apparatus. (SLO: Identify techniques on safe driving and positioning fire apparatus on the fire ground.)
 - Demonstrate three-point entry while entering the fire apparatus
 - Demonstrate three-point entry while exiting the fire apparatus.
2. Pre-trip inspection. (SLO: Conduct a pre-trip inspection of fire apparatus in accordance with Department of Transportation and State of California laws and regulations.)
 - Perform pre-trip inspections of fire apparatus.
 - Perform brake pump-down check.
 - Perform proper mirror adjustment.
 - Perform proper seat adjustment
 - Demonstrate proper documentation of pre-trip inspections.
3. Mandatory driving exercises. (SLO: Demonstrate safe driving of fire apparatus during slow maneuvering exercises.)
 - Demonstrate safe operation of fire apparatus while performing the diminishing clearance exercise in accordance with NFPA 1002 standards.
 - Demonstrate safe operation of fire apparatus while performing the serpentine exercise in accordance with NFPA 1002 standards.
 - Demonstrate safe operation of fire apparatus while performing the three-point turnaround exercise in accordance with NFPA 1002 standards
 - Demonstrate safe operation of fire apparatus while performing the alley dock exercise in accordance with NFPA 1002 standards.

Course Objectives

Objectives	
Objective 1	Demonstrate driver responsibilities, recognized standards, and related laws for fire apparatus.
Objective 2	Demonstrate techniques on basic inspections, documentation, maintenance, and troubleshooting fire apparatus.
Objective 3	Demonstrate techniques on driving and positioning fire apparatus.
Objective 4	Apply driving skills during simulated driving conditions.
Objective 5	Explain driver's responsibilities, recognized standards, and related laws to fire apparatus.
Objective 6	Perform a pre-trip inspection of fire apparatus in accordance with Department of Transportation and State of California laws and regulations.

Student Learning Outcomes

Upon satisfactory completion of this course, students will be able to:	
Outcome 1	Describe applicable laws, basic inspections, documentation, maintenance, and troubleshooting when operating fire apparatus.
Outcome 2	Demonstrate techniques on safe driving and positioning fire apparatus on the fire ground.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Collaborative/Team	collaborative/team
Technology-based instruction	technology-based instruction
Participation	participation
Lecture	lecture
Discussion	discussion
Demonstration, Repetition/Practice	demonstration
Laboratory	laboratory

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
Oral and practical examination	oral and practical exams	In Class Only
Tests/Quizzes/Examinations	tests	In Class Only
Group activity participation/observation	group activity participation	In Class Only
Presentations/student demonstration observations	presentations	In and Out of Class
Term or research papers	term or research papers	Out of Class Only
Field/physical activity observations	Operate Fire Apparatus using defensive driving techniques. Maneuver fire apparatus around obstructions forward and while backing.	In Class Only
Other	Operate all fixed systems and equipment on a fire apparatus.	In Class Only

Assignments
Other In-class Assignments

1. Textbook and supplemental readings.
2. Analytical problem-solving.
3. Mechanical problem-solving exercises.
4. Operate Fire Apparatus

Other Out-of-class Assignments

- Preparing for group presentation on fire apparatus design for specific uses within a jurisdiction.

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.

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

CCC000588593