

**FIRE 241 Course Outline as of Fall 2016****CATALOG INFORMATION**

Dept and Nbr: FIRE 241 Title: DRIVER OPERATOR 1A

Full Title: Driver Operator 1A

Last Reviewed: 10/23/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.50	Lecture Scheduled	1.25	17.5	Lecture Scheduled	21.88
Minimum	1.50	Lab Scheduled	1.00	2	Lab Scheduled	17.50
		Contact DHR	0		Contact DHR	0
		Contact Total	2.25		Contact Total	39.38
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 43.75

Total Student Learning Hours: 83.13

Title 5 Category: AA Degree Applicable

Grading: P/NP Only

Repeatability: 21 - Legally Mandated Repetition

Also Listed As:

Formerly:

**Catalog Description:**

Provide fire service personnel with the knowledge of the laws and requirements that pertain to emergency vehicle operation. Utilize the techniques and knowledge learned to demonstrate various driving skills.

**Prerequisites/Corequisites:**

Fire 208.1 or equivalent fire service experience.

**Recommended Preparation:****Limits on Enrollment:**

Must have a valid Class B California State driver's license.

**Schedule of Classes Information:**

Description: Provide Fire Service personnel with the knowledge of the laws and requirements that pertain to emergency vehicle operation. Utilize the techniques and knowledge learned to demonstrate various driving skills. (P/NP Only)

Prerequisites/Corequisites: Fire 208.1 or equivalent fire service experience.

Recommended:

Limits on Enrollment: Must have a valid Class B California State driver's license.

Transfer Credit:  
Repeatability: Legally Mandated Repetition

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>		Effective:	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

### **Outcomes and Objectives:**

1. List driver responsibilities, recognized standards, and related laws for fire apparatus.
2. List elements and techniques for basic inspections, documentation, maintenance, and troubleshooting fire apparatus.
3. Describe the techniques for defensive driving and positioning fire apparatus.
4. Demonstrate defensive driving skills during simulated driving conditions.
5. Prepare student to meet California State Fire Marshal mandated Class B License testing.

### **Topics and Scope:**

- I. Responsibilities, Standards, and Laws
  - A. Orientation and administration
  - B. Fire apparatus driver/operator responsibilities
  - C. Legal aspects of emergency and non-emergency driving
- II. Inspection, Basic Maintenance, Documentation, and Troubleshooting
  - A. Frame, axles steering and suspension systems, driveline, wheels and tires
  - B. Engine systems
  - C. Transmission and clutch
  - D. Starting, charging, and other electrical systems
  - E. Brake system
  - F. Auxiliary and accessory equipment
  - G. Inspection documentation and reports
  - H. Pre-trip inspection procedures
- III. Driving Practices
  - A. Accident statistics and liability
  - B. Defensive driving
  - C. Driving apparatus to incidents
  - D. Off-road driving
  - E. Braking and stopping
  - F. Steering and load control

- G. Positioning the apparatus
- IV. Driving Exercises
- V. Course Review and State Fire Marshal Driver Operator Certification Examination

### Assignment:

1. Skill demonstration of defensive driving techniques.
2. Demonstrate proper turning radius, clearance of vehicle exercise.
3. Demonstrate shift in vehicle dynamics by maneuvering through slalom course.
4. Fire apparatus inspection.
5. One to three quizzes and State Fire Marshal essay exam.

### Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.

Writing  
0 - 0%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Fire apparatus inspection

Problem solving  
20 - 40%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Emergency vehicle driving; California State Fire Marshal driver demonstration

Skill Demonstrations  
20 - 40%

**Exams:** All forms of formal testing, other than skill performance exams.

Multiple choice, essay exam

Exams  
20 - 40%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

### Representative Textbooks and Materials:

- California Commercial Driver Handbook, DMV, 2008 edition
- Pumping Apparatus Driver/Operator Handbook, International Fire Service Training Association, 2nd edition 2006
- California State Fire Training Student Supplement, 2008 edition

Instructor prepared materials