

**EMC 108 Course Outline as of Fall 2020****CATALOG INFORMATION**

Dept and Nbr: EMC 108 Title: EMERG VEHICLE OPERATORS

Full Title: Driving Skills for Emergency Vehicle Operators

Last Reviewed: 2/24/2020

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0.25	Lecture Scheduled	3.00	1	Lecture Scheduled	3.00
Minimum	0.25	Lab Scheduled	5.00	1	Lab Scheduled	5.00
		Contact DHR	0		Contact DHR	0
		Contact Total	8.00		Contact Total	8.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 6.00

Total Student Learning Hours: 14.00

Title 5 Category: AA Degree Applicable

Grading: P/NP Only

Repeatability: 21 - Legally Mandated Repetition

Also Listed As:

Formerly: EMC 276

**Catalog Description:**

Designed for emergency service personnel to improve the skill level of operators of vehicles. Hands-on driving exercises to develop and improve skills in close-quarters maneuvering, backing, and routine driving activities.

**Prerequisites/Corequisites:****Recommended Preparation:****Limits on Enrollment:**

Must have current Class "C" California Driver License and Ambulance special certificate.

**Schedule of Classes Information:**

Description: Designed for emergency service personnel to improve the skill level of operators of vehicles. Hands on driving exercises to develop and improve skills in close quarters maneuvering, backing and routine driving activities. (P/NP Only)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment: Must have current Class "C" California Driver License and Ambulance

special certificate.

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:
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<b>CSU Transfer:</b>	Effective:	Inactive:
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<b>UC Transfer:</b>	Effective:	Inactive:
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**CID:**

**Certificate/Major Applicable:**

Not Certificate/Major Applicable

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Upon completion of this course the student will be able to identify and demonstrate skills that will insure safe emergency vehicle operations.

### **Objectives:**

At the conclusion of this course, the student should be able to:

1. Demonstrate professionalism and ethics during emergency vehicle operation.
2. Demonstrate knowledge and skill of emergency vehicle operation.
3. Safely operate the emergency vehicle during response to an emergency call.
4. Cite various legal aspects governing emergency vehicle operation, including pertinent exemptions from California Vehicle Code laws.
5. Demonstrate professional and ethical decision making during emergency vehicle operation.
6. Identify psychological factors that affect driving skills.
7. Identify and demonstrate understanding of vehicle dynamics.

### **Topics and Scope:**

#### **I. Professionalism and Behavior**

- A. public perception of your actions
- B. "Rolling Billboard" concept
- C. how your actions affect everyone else

#### **II. Techniques that Will Reduce the Risk of Death and Injury**

- A. precision maneuvering
- B. collision avoidance
- C. weight transfer slalom

- D. skid recovery and control
  - III. Legal Aspects
    - A. required vehicle inspection
    - B. statute requirements governing emergency vehicle operation
    - C. calls that constitute a true emergency
    - D. what you can and can not do during emergency vehicle operation
  - IV. Psychological Limitations
    - A. increased stress (adrenaline production) and how it can affect emergency vehicle operation
    - B. tunnel vision and how to avoid it during emergency vehicle operation
    - C. judgment errors and how to overcome them during emergency vehicle operation
    - D. speed perceptions
  - V. Liability Issue Associated with Emergency Vehicle Operation
    - A. wrongful death injury claims
    - B. traffic collision claims
- All topics included in lecture and lab.

### Assignment:

Lecture-Related Assignments (done prior to first day of class):

1. Read instructor-designed materials (physics of operation, review of current (pertinent) laws, provider policy, and proper operator mind-set)

Lab-Related Assignments:

1. Demonstrate collision avoidance techniques in 10 simulated traffic hazard conditions
2. Low speed maneuvering
3. Demonstrate proper turning radius, clearance of vehicle exercise.
4. Demonstrate shift in vehicle dynamics by maneuvering through slalom course 10 times
5. Judgmental problem solving in situational drifting and collision avoidance

### 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.

Judgmental problem solving in situational driving

Problem solving  
10 - 35%

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

Performance exams, Critical decision making skill in driving scenarios

Skill Demonstrations  
65 - 90%

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

None

Exams  
0 - 0%

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

None

Other Category  
0 - 0%

**Representative Textbooks and Materials:**  
Instructor prepared material.