

FIRE 0632 - AUTO EXTRICATION

Catalog Description

Hours: 24 (9.5 lecture, 14.5 laboratory)

Description: Provides the knowledge and skills to prepare a firefighter to extricate victim(s) from a common passenger vehicle in a safe and effective manner. (not transferable) (not degree applicable) (pass/no pass grading)

Course Student Learning Outcomes

- CSLO #1: Develop a plan to appropriately mitigate a vehicle accident scenario, outlining each step from arrival to termination.
- CSLO #2: Explain potential safety hazards to victims and rescuers when operating at the scene of an auto accident.
- CSLO #3: Demonstrate the use of various auto extrication tools.

Effective Term

Fall 2019

Course Type

Credit - Nondegree-applicable

Contact Hours

24

Outside of Class Hours

19

Total Student Learning Hours

43

Course Objectives

Lecture Objectives:

1. Explain how to plan for, size-up and mitigate a vehicle accident;
2. Identify scene safety zones;
3. Analyze and defend fire protection measures at a vehicle accident;
4. Explain vehicle stabilization;
5. Outline how to isolate energy sources;
6. Determine passenger vehicle access and egress points;
7. Explain how to create access and egress openings for rescue;
8. Develop a plan for terminating a vehicle accident;
9. Explain how to implement an Incident Command System for an Auto Accident.

Laboratory Objectives:

1. Demonstrate vehicle stabilization;
2. Demonstrate how to disentangle, package and remove victims to a safe area;
3. Demonstrate the use of various auto extrication tools on actual vehicles;
4. Demonstrate how to create access and egress openings for rescue;
5. Demonstrate how to access and disentangle victims and prepare for packaging and removal.

General Education Information

- Approved College Associate Degree GE Applicability
- CSU GE Applicability (Recommended-requires CSU approval)
- Cal-GETC Applicability (Recommended - Requires External Approval)
- IGETC Applicability (Recommended-requires CSU/UC approval)

Articulation Information

- Not Transferable

Methods of Evaluation

- Classroom Discussions
 - Example: Students will work in groups to prepare a list of essential items to be addressed when developing a plan for terminating a vehicle accident emergency. Each group will be given an instructor provided scenario and present their actions to the class for discussion. Grading will be based on an instructor provided rubric.
- Objective Examinations
 - Example: Students will take a multiple choice test on the essential steps necessary to properly extricate victims from a vehicle accident. The exam will be scored and assigned a grade based on a traditional grading system. Example Question: The incident size-up begins at the: A. Time of dispatch, B. Arrival of units on scene, C. Moment all units respond, D. Time the company officer arrives.
- Skill Demonstrations
 - Example: Working in teams, students will demonstrate how to properly access, disentangle and remove victims from various instructor created scenarios. Students will be evaluated by an instructor provided rubric and/or industry recognized skills check-off forms. This is a pass/fail objective.

Repeatable

No

Methods of Instruction

- Laboratory
- Lecture/Discussion

Lab:

1. Following a lecture and demonstration given by the instructor, students will demonstrate how to properly stabilize a passenger vehicle.

Lecture:

1. The instructor will lecture and lead a discussion on how to properly establish scene safety zones at a vehicle accident. Students are expected to engage in the discussion by listing and/or providing examples of safety considerations relative to the establishing adequate safety zones.

Typical Out of Class Assignments Reading Assignments

1. Reading assignment from text in preparation for hands-on demonstration/tutorials by instructor in class and for examinations on course content and terms.
2. Students will read chapter in text on vehicle

stabilization and instructor will lead a discussion on various methods to stabilize a vehicle.

Writing, Problem Solving or Performance

1. Following a lecture, students will create the incident command organizational chart based on an instructor provided scenario for a vehicle extrication incident. 2. Following an instructor lead demonstration, students will demonstrate how to properly remove a front windshield from a passenger vehicle.

Other (Term projects, research papers, portfolios, etc.)

Required Materials

- Vehicle Extrication, Levels I & II; Principles and Practice
 - Author: International Association of Fire Chiefs and National Fire Protection Association
 - Publisher: Jones and Bartlett Learning
 - Publication Date: 2012
 - Text Edition: 1st
 - Classic Textbook?:
 - OER Link:
 - OER:

Other materials and-or supplies required of students that contribute to the cost of the course.

Supplemental student material developed by instructor.