

CATALOG INFORMATION

Dept and Nbr: FIRE 207

Title: ADV VEH ENTRAP RES

Full Title: Advanced Vehicle Entrapment Rescue

Last Reviewed: 9/28/1998

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.00	Lecture Scheduled	20.00	2	Lecture Scheduled	40.00
Minimum	1.00	Lab Scheduled	12.00	1	Lab Scheduled	24.00
		Contact DHR	0		Contact DHR	0
		Contact Total	32.00		Contact Total	64.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 80.00

Total Student Learning Hours: 144.00

Title 5 Category: AA Degree Applicable

Grading: P/NP Only

Repeatability: 27 - Exempt From Repeat Provisions

Also Listed As:

Formerly: FIRE299.66

**Catalog Description:**  
Intensive course in the assessment, stabilization, disentanglement, and safety precautions needed while performing extrication at motor vehicle accidents (auto, buses, and trucks). Involves hands-on training in the use of a variety of hydraulic, air-driven and manually-operated tools.

**Prerequisites/Corequisites:**

**Recommended Preparation:**  
Fire 208.1 or equivalent.

**Limits on Enrollment:**

**Schedule of Classes Information:**  
Description: Intensive course in the assessment, stabilization, disentanglement, and safety precautions needed while performing extrication at vehicle injury accidents, (auto, buses, and trucks). (P/NP Only)  
Prerequisites/Corequisites:  
Recommended: Fire 208.1 or equivalent.  
Limits on Enrollment:

Transfer Credit:

Repeatability: Exempt From Repeat Provisions

## **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:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

The student will:

1. Demonstrate "hands-on" use of many types of extrication tools (hydraulic, air-driven, electric, and manual).
2. List steps for patient safety
3. List major considerations for scene safety
4. Identify the types of accidents that present special considerations.
5. Demonstrate how to safely stabilize and remove the vehicle from around the victim without causing further injury to them.
6. Identify need for service contracts.
7. Identify and demonstrate the use of management/command system.
8. Demonstrate patient removal techniques from various vehicle types.

### **Topics and Scope:**

- I. Orientation
  - A. Tools and equipment
    1. Hydraulic
    2. Air-driven
    3. Electric
    4. Manual
  - B. Policies and procedures (federal & state)
    1. Patient safety
    2. Scene safety for emergency responses
- II. Anatomy of automobiles, buses, trucks, and tractors
  - A. Exterior components
  - B. Interior components
  - C. Passive restraint systems
- III. Proper maintenance of tools
  - A. Service areas

- B. Special requirements
- IV. Assessment of the accident scene
  - A. Incident command system
  - B. Tool staging area
  - C. Manpower needs
  - D. Equipment needs
- V. Stabilization
  - A. Environmental hazards
  - B. Traffic hazards
  - C. Different vehicle types
- VI. Gaining access to trapped victims
  - A. Glass removal
  - B. Spreading metal and alloys
  - C. Cutting metal and alloys
- VII. Tools and their proper use
  - A. Hand tools
  - B. Manual powered extrication tools
  - C. Hydraulic extrication tools
  - D. Air lifting bags
- VIII. Multi-casualty Incidents
  - A. Interpret the effects

### Assignment:

Student will demonstrate proper use and techniques during class skill demonstrations.

### 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.

Field work

Problem solving  
40 - 80%

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

Field work

Skill Demonstrations  
30 - 70%

**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:**  
Advanced Vehicle Entrapment Rescue, by Len Watson   Publ. by Greenwave,  
17 Head Street   Halsted, Essex, England   CO9 2AT.