## FIRE 207 Course Outline as of Spring 2008

# **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	Nb	r of Weeks	<b>Course Hours Total</b>	
Maximum	1.00	Lecture Scheduled	0	2	Lecture Scheduled	0
Minimum	1.00	Lab Scheduled	0	1	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	0		Contact Total	0
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 0.00

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:

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

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

## 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 aloys
  - C. Cutting metal and aloys
- 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.

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

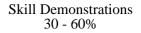
# Field work

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

Field work

Writing 0 - 0%	

Problem solving 40 - 70%



None

**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.

Exams 0 - 0%