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		Nbr of Weeks	Course Hours Total	
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:

Transfer Credit:
Repeatability: Exempt From Repeat Provisions

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**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.	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 - 70%

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

Field work	Skill Demonstrations 30 - 60%

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.