



Pennsylvania State Fire Academy

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Minimum Standard for Accreditation (MSA)

September 1996

Revised: November 1996

Course Title: Vehicle Fires and Other Emergencies (VFOE)

SFA Course Code: VFOE

Length of Course: 16 Hours

Lecture/Lab Breakdown: 10/6

Prerequisites: EBM

Referenced Texts: FST Vehicle Fire Fighting, 1st edition; NFPA Fire Protection Handbook, 17th edition; FST Strategy and Tactics for the Single Company Response, lesson plans, 1987; IFSTA SCBA Manual, 2nd edition; Mitchell's Auto Service & Repair Manuals; Mitchell's Air Bag Service Manual; Mitchell's Air Conditioner Service Manual; Mitchell's Anti-Lock Brake System Service Manual

Course Goal: Reduce the risk to personnel during vehicle emergencies and improve vehicle fire fighting operations through sound strategy and tactics.

Description of Course: This course will inform the students of the hazards encountered at vehicle fires and other emergencies. They will learn proper strategy and tactics for vehicle fires. The hands-on training will allow the students an opportunity to practice vehicle fire fighting tactics.

Description of Methodology to be used: Lecture/transparencies (9 hours); Student activity and written final exam (1 hour); Combating Vehicle Fires Video (20 Minutes); Demonstration on location and identification of vehicle operation systems (2 hours); Supervised practice either Approach training or Live Burn training (4 hours).

Student Equipment/Supply Needs: Notebook & pencil; Full Protective Clothing including safety glasses and SCBA.

Equipment/Audiovisual/Supply requirements:

FACILITIES: Classroom and an Auto Salvage Yard

MATERIALS: Screen, Overhead Projector, VCR & Monitor or Video Projector, Projector stands and extension cords.

AUDIO VISUAL: FST Vehicle Fire Fighting Overhead transparencies, FST Combating Vehicle Fires Video, FST Vehicle Fire Fighting Student Handout Package, Example SOP Handout, Activity 1, Final Examination (26 questions), Common Fire Gasses Chart Transparency, Vehicle Systems Locator Transparency, FRIGC-12 Material Safety Data Sheet Transparency

(Continued)

MINIMUM STANDARDS FOR ACCREDITATION

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Equipment/Audiovisual/Supply requirements: (continued)

PRACTICAL EVOLUTION SUPPLIES & EQUIPMENT: (2) Class A Fire Engines, (1) Tanker/Portatank (if needed for water supply), (1) EMS Unit

LIVE BURN TRAINING FACILITIES: will require a clear area (approx. 100 ft. square) with either a dirt or gravel ground cover.

Special Conditions: a second suppression-level instructor, preferably VFOE – qualified is required for the last eight hours of this course.

COURSE OUTLINE

Time	Content	Notes
:30	Intro to Vehicle Fires	
3:00	Common Vehicle Fire Hazards	
1:00	Safety Procedures at Vehicle Emergencies	
:40	Example SOP Handout/FST Student Activity #1	
2:30	Vehicle Fires Strategy & Tactics	
:20	Show FST "Combating Vehicle Fires" Video	
1:00	Other Vehicle Emergencies	
1:00	Written Final Examination	
6:00	Hands-On Training	

Competency Evaluation Mechanism: 1. The student must obtain a 70% or higher score on the written final examination; 2. The student is required to demonstrate to the instructor's satisfaction proper vehicle fire fighting procedures.

Learning Outcomes (Course Objectives): Upon completing this course, the student shall:

1. identify and describe three categories of vehicle fires. -
2. identify and describe four major dangers of vehicle fires.
3. identify and describe the elements of vehicle fire suppression strategy.
4. explain appropriate strategies and demonstrate tactics for each of the three categories of vehicle fires.
5. given a simulated or live fire scenario, the student, working as a member of a team shall demonstrate the ability to use the concepts taught in this course to bring an incident to a successful completion.

**Questions/Comments: Rita Wessel, Curriculum Specialist: Extension 106
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