



Pennsylvania State Fire Academy

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Minimum Standard for Accreditation (MSA)

May 2000

Course Title: Vehicle Rescue Refresher & Technology Update (VRTU)

Length of Course: 16 hours

Lecture / Lab Breakdown: 8 hours / 8 hours

Prerequisites: DHVR or VRES

Reference Texts: Basic Vehicle rescue – Instructor Lesson Plan, Highway Safety Center IUP 1992, Vehicle Rescue, Harvey Grant Brady Co, 1992. Vehicle rescue & Extrication, Ron Moore, Mosby Books 1997, Vehicle Extrication, Kidd & Czajkowski, PennWell Publishing. Extrication . Com, Ron Shaw

Course Goals: Upon the completion of this course the student will have reviewed hazards of vehicle rescue operations, ICS, Access, Disentanglement, Extrication, and the Post Rescue phases of vehicle rescue. The student will also be updated on the new vehicle technology and design, new tool technology, and new disentanglement techniques.

Description of Course: This course is intended for personnel who have already taken a vehicle rescue course in the past. Through a series of classroom lecture/discussion and practical activity, *VRTU* will give a needed review of the concepts of vehicle rescue, and an awareness of the new vehicle designs and technology, new tool design and technology, and new disentanglement techniques to deal with the air bag locations

Description of Methodology to be used: (Brief) Lecture/discussion program tied to a PowerPoint presentation, review the use of air, electric, and hydraulic tools. Hands on practice of the stabilization techniques, new disentanglement techniques, and air bag identification to develop safer rescue scenes for the rescuer and the patient

Student Equipment / Supplies Needed: pen/pencil, Notebook, Turnout gear – coat, pants, helmet, gloves, boots, eye protection, hearing protection.

Equipment / Audiovisual / Supply requirements: Classroom w/ usual amenities; LCD Projector, Computer, TV/VCR and videos specified in instructor information. Appropriate practical demonstration / practice area. Adequate number of vehicles for practical activities. Tools/equipment per DOH Basic Vehicle Rescue tool/equipment list.

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**COURSE OUTLINE
(General – Not Detailed)**

<u>Time</u>	<u>Content</u>	<u>Instructor Notes</u>
:30	Registration, Introduction, Course description	
1:00	Review of Hazards	
2:00	Vehicle Anatomy	
2:00	Tools	
1:30	Disentanglement	
1:30	Patient Packaging	
:30	Post Rescue	
:30	Demo Stabilization	
1:30	Stabilization exercise	
1:00	Demo of tools and new techniques	
3:00	Practical exercises	
1:00	Clean-up and conclusion	

Competency Evaluation Mechanism (Brief description – attach copy): Small Group evaluation of different stabilization situations. Individual evaluation during practical session – student must access the passenger compartment and recognize the supplemental restraint systems.

Course Objectives (Specific): Objectives shall be those listed for each lesson in the PA DOH BVR curriculum

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