



# Pennsylvania State Fire Academy

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## Minimum Standard for Accreditation (MSA)

February 1993

**Course Title:** Structural Fire Rescue (SFR)

**Length of Course:** 16 Hours

**Lecture/Lab Breakdown:** 5/11

**Prerequisites:** EBM

**Referenced Texts:** IFSTA Fire Service Rescue Practices and Civil Defense Rescue Manual TM 14D

**Course Goal:** To become acquainted with the procedures and methods necessary to safely remove persons from fires in structures.

**Description of Course:** This course deals with the philosophy of fire ground rescue, victim handling techniques, search procedures, and methods of removing victims from above and below grade situations.

**Description of Methodology to be used: (Brief)** A combination of lecture and discussion is followed by demonstration and participation in live exercises under supervision of the instructor.

**Student Equipment/Supply Needs:** Notebook, Pen/Pencil, Structural Protective Turn Out Gear, S.C.B.A.

**Equipment/Audiovisual/Supply requirements:** Classroom with chalkboard, overhead projector, screen, slide projector, YCR and monitor as appropriate. Two (2) Pumpers or one pumper and one (1) ladder truck, rescue truck, life safety rope, stokes basket, litters, webbing, lifting tackle.

### COURSE OUTLINE (General - Not Detailed)

| <b><u>Time</u></b> | <b><u>Content</u></b>   | <b><u>Instructor<br/>Notes</u></b> |
|--------------------|---|------------------------------------|
| :30                | Registration and Introduction   |                                    |
| 1:00               | General Rescue Orientation  |                                    |
| 1:30               | Casualty Transportation, Lifts, Carries, Drags                            |                                    |
| 1:30               | Rope, Knots, Hitches  |                                    |
| 1:30               | Casualty Transport Devices, Litters, Stokes Baskets.<br>Lashings, Slings. |                                    |

continued

**COURSE OUTLINE continued  
(General - Not Detailed)**

| <b><u>Time</u></b> | <b><u>Content</u></b>   | <b><u>Instructor<br/>Notes</u></b> |
|--------------------|---|------------------------------------|
| 2:00               | Application of Ground Ladders to Rescue, Assists,<br>Carries, Lowering Systems                  |                                    |
| 1:00               | Application of Vertical Lifting and Lowering Systems.<br>Suspension Systems, Tackle Application |                                    |
| 1.30               | Residential Search Procedures   |                                    |
| 1 30               | Large Area Search Procedures  |                                    |
| 2:00               | Residential Search Exercise   |                                    |

**Competency Evaluation Mechanism (Brief description-attach copy):** Students will be evaluated during practical exercise.

**Course Objectives (specific):** The student will:

1. develop an understanding of the various factors influencing a rescue scene so that a logical systematic approach to the rescue may be undertaken.
2. become familiar with the various carries and lifts used in emergency victim removal.
3. develop proficiency in the various knots and hitches used in securing, lowering, and raising victims.
4. correctly use litters, stokes baskets, and other transportation devices to remove victims from structures.
5. apply ground ladders to the casualty removal process including assists, carries, and lowering of victims, and the use of the ladder as a fulcrum.
6. correctly and safely lift and lower stokes baskets and litters using single, two, and four rope systems, and various tackle systems to obtain mechanical advantage.
7. apply procedures learned to remove simulated casualties from a simulated fire situation in both residential and large area fire situations.

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