



Pennsylvania State Fire Academy

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Minimum Standard for Accreditation (MSA)

July 1992

Course Title: Truck Company Operations II (ATRC)

Length of Course: 16 Hours

Lecture/Lab Breakdown: 4/12

Prerequisites: TRCO

Referenced Texts: IFSTA: Essentials, 2nd Edition; Building Construction, 1st Edition; Ground Ladder Practices, 8th Edition; Safety, 1st Edition; Salvage/Overhaul, 7th Edition; "Truck Company Operations" by Hal Richman

Course Goal: This course is designed to build upon and refine the knowledge and skills involved in providing effective truck company operations that were acquired by the student in the prerequisite course.

Description of Course: This course will allow the student to practice and further refine his/her ability to effectively and safely perform the fireground duties normally assigned to truck companies.

Description of Methodology to be used: (Brief) A combination of review, lecture, guided discussion, and practical skill demonstration/practice. Emphasis should be on practical drillground work, expanding upon and further developing the practical skills acquired in the course prerequisites.

Student Equipment/Supply Needs: (1) Pen/pencil and notebook, (2) Small notebook for field notes, (3) Full structural protective clothing including positive pressure SCBA and industrial style eye protection (helmet face shields not acceptable).

Equipment/Audiovisual/Supply requirements: Many applicable audiovisual products exist in videotape, slide, and overhead format. Selection of specific audiovisuals (and therefore, the equipment to support them) is left to the instructor's (or educational training agency's) discretion.

Facilities/Equipment available will likewise vary greatly. As a minimum, they should include:

1. Apparatus with selection of forcible entry tools and ground ladders (aerial device is preferable).
2. Selection of power forcible entry equipment (such as gasoline circular saw, chainsaw, "Rabbit Tool", etc.), as indicated by local preference/needs.

(continued)

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3. Structure which will allow for smoke generation/vision obscuration, laddering, search and rescue, and forcible entry exercises. Forcible entry mock-ups such as roof cutting, door forcing, etc., which allow for repeated student operations are preferable.
4. Assistant instructors sufficient to allow for multiple exercise stations and safe operations during practical work on the second day. A ratio of 1:5 (instructor/student) is ideal; no more than 1:10 is highly recommended.

COURSE OUTLINE

<u>Time</u>	<u>Content</u>
1:00	Review of Organization/Assignments
1:00	Review of Ventilation Theory
1:00	Review of Search/Rescue Practices
1:00	Power Saws: Circular and Chain
11:00	Practical Exercises (Will vary according to facilities available - should reinforce objectives)
1:00	Clean up; Conclusion; Critique

Competency Evaluation Mechanism (Brief description-attach copy): Directed questioning during all phases of class; instructor evaluation regarding mastery of practical skills.

Course Objectives (specific): Upon completion of this course, the student will:

1. Demonstrate, to the satisfaction of the instructor, performance of the objectives of the prerequisite course (TRCO), as part of a coordinated fireground operation.
2. Correctly identify the advantages and disadvantages of gasoline engine driven circular and chainsaws in forcible entry/vertical ventilation practices.
3. Given a gasoline engine driven saw, identify and demonstrate all safety precautions/practices applicable to its use.
4. Given a gasoline engine driven saw, conduct inspection and user maintenance in accordance with the manufacturer's recommendations.
5. Demonstrate the use of all available saw equipment to effectively provide forcible entry in support of access and/or vertical ventilation operations.
6. Demonstrate, through the fulfillment of the preceding objectives, the ability to perform safely and effectively in self-contained breathing apparatus.

TRCO92

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