



Pennsylvania State Fire Academy

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Minimum Standard for Accreditation (MSA)

July 1992

Course Title: Industrial Fire Brigade Training, Basic (IFBB)

Length of Course: 8 Hours

Lecture/Lab Breakdown: 3/5

Prerequisites: None

Referenced Texts: IFSTA Essentials, IFSTA Industrial Fire Protection, NFPA Industrial Fire Brigades, NFPA-10, 13 and 1403.

Course Goal: Provide basic incipient level fire training for general employee groups, or dedicated incipient level fire brigades. This training shall meet OSHA requirements for incipient level fire fighting.

Description of Course: Course covers chemistry of fire, hose and nozzles, fire streams, portable fire extinguishers, automatic systems, and live fire fighting exercises on incipient level fires with extinguishers and small hose streams. The program also reviews fire prevention activities.

Description of Methodology to be used: (Brief) Classroom and field lecture, as well as hands-on demonstrations and participation. This is reinforced by hands-on live fire fighting exercises using same equipment.

Student Equipment/Supply Needs: Head (hard hat or helmet), eye and hand and foot protection. Long sleeve shirt or jacket recommended. Work clothes.

Equipment/Audiovisual/Supply requirements: Slide projector, television and VCR, fire extinguisher and hose-line fire props, with fuel and water supply, automatic sprinkler demonstration.

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

Time

2:00

Content

Chemistry of Fire, Portable Extinguishers, Hose and Appliances, Nozzles, Hydrants Extinguisher Fire Fighting, Hose Line Fire Fighting, Hose Rolls and Carries, Hose Line Operation, Extinguisher Re-charge

continued

Instructor

Notes

Competency Evaluation Mechanism (Brief description-attach copy): Successful hands-on participation in all exercises.

Course Objectives (specific): Upon completion of this course, the student should be able to:

1. Identify the four classes of fire.
2. Identify the methods of extinguishing fire.
3. Explain the operation and use of water, foam, carbon dioxide, halon, and dry chemical fire extinguishers.
4. Explain the operation of private fire protection equipment. This includes hose lines, hydrants and basic automatic sprinkler information.
5. Successfully operate and extinguish a fire using a portable fire extinguisher.
6. Demonstrate successful operation of a small caliber fire stream, and understand operation of large caliber streams.
7. Successfully operate a small caliber hose line on a live fire situation.
8. Identify some basic fire prevention measures suited for business and industry.

Questions/Comments: Contact the Curriculum Specialist