



LIVE FIRE TRAINING AWARENESS MODULE

COURSE DESCRIPTION

This course is designed to provide fire instructors and assistant fire instructors with an overview of how to plan and conduct live fire training evolutions in a safe and compliant manner. It addresses the problems associated with conducting live fire training evolutions and how we in the fire service can begin to build a culture of safety in our training programs. The course reviews legal aspects that must be considered when conducting live fire training and presents an educational philosophy that must be accepted to change attitudes about training in the fire service. The course includes an overview of NFPA 1403, *Standard on Live Fire Training Evolutions*. The course is not intended to provide the skills or knowledge necessary to participate in live fire training evolutions, but serves as a prerequisite for the Live Fire Training Operations Course, designed for fire instructors and assistant fire instructors who will be planning, conducting, and participating in live fire training evolutions.

PREREQUISITES

1. Student shall be enrolled in a Fire Instructor course through an Ohio chartered fire training program and have successfully completed the forty hours in instruction of adult students and basic teaching techniques as set forth in the "Ohio Fire and EMS Instructor Curriculum"; or,
2. Student shall be enrolled in an Assistant Fire Instructor course through an Ohio chartered fire training program.

CERTIFICATION

Successful course completion fulfills the live fire training course requirement for fire instructors and assistant fire instructors as set forth in O.A.C. rules 4765-24-15 (A)(3) and 4765-21-03 (B)(6).

CONTACT TIME

Lecture (Face-to-Face): 4 hours

ATTENDANCE POLICY

100% attendance required with no make-up opportunities

ADDITIONAL MATERIALS

- Provided by instructors
 - Case histories
 - NIOSH reports

COURSE CONTENT

Module 1 – NFPA 1403 Chapters 1, 2, and 3	1.0 hour
• Introduction and overview	
Module 2 – NFPA 1403 Chapter 4	1.25 hours
• General	
Module 3 – NFPA 1403 Chapters 5, 6, 7, and 8	1.0 hour
• Acquired structures	
• Gas-Fired live fire training structures	
• Non-Gas-Fired live fire training structures	
• Exterior live fire training props	
Module 4 – NFPA 1403 Chapter 9 and Annexes	0.75 hours
• Reports and records	
• Annex A – Explanatory Materials	
• Annex B – Live Fire Evolution Sample Checklist	
• Annex C – Responsibilities of Personnel	
• Annex D – Heat Exhaustion and Heat Stroke in Training	
• Annex E – Informational Resources	

COURSE OBJECTIVES

Module 1 – Introduction and Overview

Terminal Learning Objectives (TLO) At the conclusion of this module, participants will be able to describe the purpose, scope and application of the NFPA 1403 standard to provide a process for conducting live fire training in safe facilities that minimizes health and safety hazards.

Enabling Learning Objectives (ELO)

ELO 1-1: Provide overview of NFPA 1403.

ELO 1-2: Describe the purpose, scope and application of NFPA 1403.

ELO 1-3: Explain the referenced publications applicable to NFPA 1403.

ELO 1-4: Review key definitions used in NFPA 1403.

Module 2 – NFPA 1403 Chapter 4 General

Terminal Learning Objectives (TLO) At the conclusion of this module, participants will be able to describe the various considerations regarding live fire training including: safety practices, permits required, student prerequisites, safety officer, extreme weather, Instructor-in-Charge and Instructors, Fire Control Team, personal protective clothing, communication, emergency medical services, water supply, fuel materials, parking / staging, visitors and spectators, and pre-burn plan / briefing.

Enabling Learning Objectives (ELO)

ELO 2-1: Describe the safety practices that must be followed during live fire training evolutions including impact of extreme weather.

ELO 2-2: Describe the prerequisites of a student in live fire training evolutions.

ELO 2-3: Describe the role and responsibilities of Instructor-in-Charge, Safety Officer, and Fire Control Team (Ignition Officer and Observer) for live fire training evolutions.

ELO 2-4: Describe the appropriate personal protective clothing for live fire training evolutions.

ELO 2-5: Discuss communication plan including evacuation plan as well as basic life support emergency medical services and reporting functions for live fire training evolutions.

ELO 2-6: Discuss the rate and duration of water flow necessary for each live fire training evolution including backup lines and reserves.

ELO 2-7: Recognize the fuel materials that are allowed in live fire training evolutions per 1403.

ELO 2-8: Identify all parking / staging areas as well as visitor / spectator areas needed for live fire training evolutions to ensure safety of equipment and those people not participating in evolutions.

ELO 2-9: Review pre-burn plan / briefing.

Module 3 – NFPA 1403 Chapters 5, 6, 7 and 8

Terminal Learning Objectives (TLO) At the conclusion of this module, participants will learn about what it takes to adequately prepare an acquired structure to ensure all hazards such as structural deficiencies; hazardous containers, hazardous environmental conditions, and debris have been removed and / or eliminated. In addition, participants will learn about how to ensure gas-fired and non-gas-fired live fire training structures are inspected and tested for structural integrity prior to and after completing live fire training evolutions. Finally at the conclusion of this module, participants will learn about how to safely integrate exterior live training props in the evolutions.

Enabling Learning Objectives (ELO)

ELO 3-1: Describe how to prepare an acquired structure for the live fire training evolution including hazards, utilities, and exits.

ELO 3-2: Describe how to inspect and test gas-fired live fire training structures prior to and after completing evolutions for safe conditions.

ELO 3-3: Describe how to inspect and test non-gas-fired live fire training structures prior to and after completing evolutions for safe conditions.

ELO 3-4: Describe how to integrate exterior props safely in live fire training evolutions.

Module 4 – NFPA 1403 Chapter 9 and Annexes

Terminal Learning Objectives (TLO) At the conclusion of this module, participants will be able to describe the records and reports that must be maintained on all live fire training evolutions. In addition, participants will review the additional information that is included in the annexes of NFPA 1403.

Enabling Learning Objectives (ELO)

ELO 4-1: Discuss required records and reports that must be maintained on live fire training evolutions.

ELO 4-2: Discuss how the NFPA 1403 annex materials apply to appropriate requirements in the standard including use of checklists, responsibilities of personnel, heat exhaustion and heat stroke, and additional references.