

FIRE PREVENTION PRINCIPLES OBJECTIVES 2003

At completion of this course, the student should be able to:

- 4FPP-1** Understand fire prevention principles
 - 4FPP-1.1** Identify the Illinois State Fire Marshal, Division of Personnel Standards requirements Fire Officer I Certification.
 - 4FPP-1.2** Identify NFPA Standards governing fire Officer I.
 - 4FPP-1.3** Identify the roles and responsibilities of a Fire Officer I.
 - 4FPP-1.4** Identify the local, state, and federal agencies which a Fire Officer I may be associated with.

- 4FPP-2** Understand the definitions laws, and authority for fire inspections.
 - 4FPP-2.1** Identify the definitions that apply to inspection and code enforcement
 - 4FPP-2.2** Identify the procedure for passing laws in the state of Illinois
 - 4FPP-2.3** Identify the legal authority that is required for fire inspections
 - 4FPP-2.4** Identify the police power that is required for fire inspections
 - 4FPP-2.5** Identify the liability requirements for fire inspections
 - 4FPP-2.6** Identify the provision of right of entry during fire inspections
 - 4FPP-2.7** Identify the process for issuing permits

- 4FPP-3** Understand the construction features and occupancy classifications needed for fire inspection
 - 4FPP-3.1** Identify the two basic sources of information needed for fire inspections
 - 4FPP-3.2** Identify the four major code organizations
 - 4FPP-3.3** Identify the five types of building construction classifications
 - 4FPP-3.4** Identify the contents and format of the major building codes
 - 4FPP-3.5** Identify the organizations that form the Board of Coordination of Model Codes
 - 4FPP-3.6** Identify the following components of the Life Safety Code
 - 4FPP-3.6.1** Assembly
 - 4FPP-3.6.2** Educational
 - 4FPP-3.6.3** Day care
 - 4FPP-3.6.4** Health care
 - 4FPP-3.6.5** Detention and Correctional
 - 4FPP-3.6.6** Residential
 - 4FPP-3.6.7** Mercantile
 - 4FPP-3.6.8** Business
 - 4FPP-3.6.9** Industrial
 - 4FPP-3.6.10** Storage
 - 4FPP-3.6.11** Mixed Occupancy
 - 4FPP-3.6.12** Hazard of Content

4FPP-4 Understand combustion, fire spread and their hazards

- 4FPP-4.1** Identify the principles of fire growth.
- 4FPP-4.2** Identify the process of rating fire spread
- 4FPP-4.3** Identify the process of rating flame spread
- 4FPP-4.4** Identify the classifications of fire loads
- 4FPP-4.5** Identify the testing procedures and design for the following
 - 4FPP-4.5.1** Roof coverings
 - 4FPP-4.5.2** Fire walls and partitions
 - 4FPP-4.5.3** Fire doors and assemblies
 - 4FPP-4.5.4** Draft curtains
 - 4FPP-4.5.5** Smoke and heat vents
 - 4FPP-4.5.6** Fire and smoke dampers
 - 4FPP-4.5.7** Fire stops
- 4FPP-4.6** Identify the following definitions
 - 4FPP-4.6.1** Fire hazard
 - 4FPP-4.6.2** Common fire hazard
 - 4FPP-4.6.3** Special fire hazard
 - 4FPP-4.6.4** Fire cause
- 4FPP-4.7** Identify the classifications of fire hazards
- 4FPP-4.8** Identify the types of fire hazards
- 4FPP-4.9** Identify fire hazards of various occupancies

4FPP-5 Understand the procedures for conducting a fire inspection

- 4FPP-5.1** Identify the procedures for conducting a fire inspection.
- 4FPP-5.2** Identify the components of a plans review
- 4FPP-5.3** Identify how pre-incident planning aids emergency operations
- 4FPP-5.4** Identify the importance of pre-incident planning during a fire inspection
- 4FPP-5.5** Identify the storage and handling of hazardous materials
- 4FPP-5.6** Given a summary of fire inspection procedures, the learner shall develop a pre-incident plan that identifies the hazards of the following
 - 4FPP-5.6.1** Assembly
 - 4FPP-5.6.2** Educational
- 4FPP-5.7** Given a fire inspection report of a facility or area used for storage, handling, or transportation of flammable liquids:
 - 4FPP-5.7.1** Identify the hazard that exist
 - 4FPP-5.7.2** List recommendations to correct the hazards identified
- 4FPP-5.8** Given a fire inspection report of a facility or area used for storage, handling, or transportation of flammable gases:
 - 4FPP-5.8.1** Identify the hazard that exist
 - 4FPP-5.8.2** List recommendations to correct the hazards identified
- 4FPP-5.9** Given a fire inspection report of a facility or area used for storage, handling, or transportation of hazardous materials
 - 4FPP-5.9.1** Identify the hazard that exist
 - 4FPP-5.9.2** List recommendations to correct the hazards identified

4FPP-6 Understand the procedures for fire investigations

- 4FPP-6.1** Identify the process of identifying the point or origin of fire.
- 4FPP-6.2** Identify the types of fires when investigating multiple fires
- 4FPP-6.3** Identify the causes of fire during the investigation process
- 4FPP-6.4** Identify the various types of evidence found at a fire scene
- 4FPP-6.5** Identify the collection and chain of evidence process at a fire scene
- 4FPP-6.6** Identify the procedure for securing a fire scene during investigation
- 4FPP-6.7** Identify the procedures for reporting and filing records and reports from a fire investigation.
- 4FPP-6.8** Given fire photographs and/or sketches:
 - 4FPP-6.8.1** Determine the point of origin
 - 4FPP-6.8.2** Identify the procedure used by the authority having jurisdiction to determine loss to structure and contents
- 4FPP-6.9** **Demonstrate methods used to identify and preserve evidence and secure a fire scene.**

4FPP-7 Understand the inspecting, testing and components of fire protection systems

- 4FPP-7.1** Identify the various types of sprinkler systems
- 4FPP-7.2** Identify the inspection and testing procedures for sprinkler systems
- 4FPP-7.3** Identify the various types of standpipe systems
- 4FPP-7.4** Identify the classes of standpipe systems
- 4FPP-7.5** Identify the inspection procedures for standpipe systems
- 4FPP-7.6** Identify the various types of fire pumps and their testing procedures
- 4FPP-7.7** Identify the types of fixed fire protection systems
- 4FPP-7.8** Identify the inspection procedures for fixed fire protection systems
- 4FPP-7.9** Identify the maintenance procedures for first aid fire extinguishers
- 4FPP-7.10** Identify the components of the various types of automatic and manual fire alarm systems and devices
- 4FPP-7.11** Identify the maintenance requirements of the various types of automatic and manual fire alarm systems and devices.
- 4FPP-7.12** Identify the testing procedure for water supply
- 4FPP-7.13** Identify the fire flow requirements for various occupancies

4FPP-8 Understand the process for developing a fire education program

- 4FPP-8.1** Identify the five step process for the development of a public fire education program
- 4FPP-8.2** Identify the components for curriculum development of a public fire education program.
- 4FPP-8.3** Given a summary of the five step process for the development of a public fire education program, the student will perform a needs assessment utilizing the five step process to identify, select, design, implement and evaluate a fire safety program.