

**FIP 220**  
**FIRE FIGHTING STRATEGIES**

**COURSE DESCRIPTION**

Prerequisites: None

Corequisites: None

This course provides preparation for command of initial incident operations involving emergencies within both the public and private sector. Topics include incident management, fire-ground tactics and strategies, incident safety, and command/control of emergency operations. Upon completion, students should be able to describe the initial incident command system as it relates to operations involving various emergencies in fire and non-fire situations. In addition, students study fire strategies as they relate to selected NFPA standards. Course Hours Per Week: Class 3. Semester Hours Credit 3

**COURSE OBJECTIVES:**

Upon completion of this course, the student will be able to:

- a. Assess the fire problem accurately.
- b. Determine the appropriate strategic response.
- c. Establish an organized plan of operations.
- d. Preplan a hazard site.
- e. Develop an operations plan.
- f. Exercise correct command procedures.
- g. Analyze a structural fire problem.
- h. Apply strategies to a high-rise fire.
- i. Apply strategies to an apartment fire.
- j. Apply strategies to a large commercial fire.
- k. Develop a major emergency response plan.
- l. Conduct a post-incident evaluation.

- a. Ladder Company Functions
  - b. Staffing a Company
  - c. Staffing Trials
  - d. Establishment of Rescue Companies
  - e. Influence on the Fire Service by the Insurance Industry
  - f. Progress in Firefighting
  - g. European Methods
- IV. Firefighting Strategy
- a. Personnel Requirements
  - b. Apparatus Response Time
  - c. Establishment of a Command Post
  - d. Span of Control
  - e. Incident Command System
- V. Firefighting Tactics
- a. Tactical Considerations
  - b. Location of the Fire
  - c. Extension Probability
  - d. Types of Fires
  - e. Analysis of the Fire Situation
- VI. The Action Plan - Working At A Fire
- a. Finding the Fire
  - b. Rescue, Search, Entry, Ventilation
  - c. Protection of Exposures
  - d. Safety
  - e. Communication
  - f. Salvage, Overhaul, Extinguishment
  - g. Cooperation of Other Agencies
- VII. Fireground Control and Coordination
- a. Stress Situations
  - b. Coordination
  - c. Tactical Errors and Weaknesses
  - d. Application of the Tactics
- VIII. Safety On The Fireground
- a. Building Collapse
  - b. Burns, Smoke Inhalation, Electrocutation
  - c. Safety and Building Collapse
  - d. Heat Hazard and Clothing
  - e. Clothing Limitations and Problems
  - f. Getting Lost
  - g. Critical Incident Stress
- IX. The Fire Building - Hindrance And Help
- a. Vertical Spread of Heat and Smoke

- b. Structural Failure
- c. Building Collapse
- d. Mill Construction
- e. Collapse from Water

- XVI. Special-Problem Fires
- a. High-Rise Fires
  - b. Transportation Fires
  - c. Hazardous Materials
  - d. Aircraft Fires
  - e. Fires In Places of Worship and Assembly
  - f. School Fires

**REQUIRED TEXTBOOK AND MATERIALS:**

Textbooks to be selected by instructor.

**STATEMENT FOR STUDENTS WITH DISABILITIES:**

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