

Program of Instruction

Course Syllabus

Course Title: Fire Prevention Principles

Program: Fire Officer

Course Duration: 40 Hours

Course Prerequisites: OSFM Firefighter II or Basic Firefighter Certification

Course Description: This course is designed for firefighters pursuing a Fire Officer I certification or seeking a quality fire prevention foundation. The course is designed to train and equip students in the introductory areas of fire prevention; including fire inspection, fire investigation and public education activities.

Course Requirements and/or Recommendations These can be divided into three categories: those completed prior to arriving in class (Pre-Course Work), those completed during class, such as homework assignments and quizzes (Course Work), and requirements completed after class but prior to receiving a certificate of completion. (Post-Course Work)

Summary of Directions

Pre-Course Work: None

Course Work: Students must meet the requirements as stated in NFPA 1021, Standard for Fire Officer Professional Qualifications, and the requirements of the Illinois Office of the State Fire Marshal.

Post-Course Work: None

Textbook: "Fire Prevention Applications for the Company Officer" 1st ed. FPP

Recommended for class: Laptop computer, calculator, and a copy of the fire prevention code and a list of adopted codes of the student's jurisdiction.

Attendance Policy: IFSI requires students to attend (100%) or make up all course content that leads to certification. Students are expected to attend on time and to remain in class for the duration of the course. Students **MUST COMPLETE** all portions of a certification course, both classroom and practical, to be eligible to receive their certification.

If a student misses any portion of class with an accumulated absence of 20% or less of scheduled class time, it will be the student's responsibility to arrange the make-up of the missed course content with the instructor(s) or program manager.

The student must make up the specific course content that s/he missed, not just the hours. Make-ups are limited to 20% of scheduled class time. Make-ups must be documented on the class roster. If a student's absence is greater than 20% refer to "True Emergences" section of the IFSI Examination Policy.

Safety Policy: Students shall understand and follow all instructions pertaining to operational safety, as stated by instructors or as written in course materials. Instructors and students shall be mindful of safety at all times. Conduct judged to be unsafe shall be grounds for dismissal from the course.

Academic Integrity Policy: IFSI has the responsibility for maintaining academic integrity so as to protect the quality of the education provided through its courses, and to protect those who depend upon our integrity. It is the responsibility of the student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from conduct that aids others in such infractions. Any violation of the code of conduct is grounds for immediate dismissal from the course.

Grading Policy: Decisions regarding certificates of course completion shall be made solely by the lead instructor of the course. All grading of exams shall be conducted by the Curriculum/Testing Office. All grading of practical exercises shall be based upon the standards set by the regulatory agency referenced in the course material and IFSI.

American Disabilities Act: As guaranteed in the Vocational Rehabilitation Act and in the American Disabilities Act, if any student needs special accommodations they are to notify their instructor and provide documentation as soon as possible so arrangements can be made to provide for the student's needs. If arrangements cannot be made at the class site, the student will test at an alternative time and place where the special accommodations can be made.

Evaluation Strategy: The instructor will observe individual participation in the classroom and group discussions. The instructor will collect and review all required student materials. A written exam will be completed by the student with 70% accuracy.

Course Content:

Chapter 1: The Impact of Fire Prevention on Fire Dept. Operations

Terminal Learning Objective:

At the conclusion of this module, the student will be able to describe the history and impact fire prevention can have on fire department operations.

Chapter 2: The Need for Fire Prevention

Terminal Learning Objective

At the conclusion of this module, the student will be able to explain the importance of fire prevention as part of the fire service mission.

Chapter 3: Codes, Standards, and Ordinances

Terminal Learning Objective

At the conclusion of this module, the student will be able to explain how codes and standards impact fire department operations.

Chapter 4: Conducting Company-Level Inspections

Terminal Learning Objective

At the conclusion of this module, the student will be able to identify and discuss the activities and skills involved in conducting a company-level inspection.

Chapter 5: Building Construction and Occupancy Classification

Terminal Learning Objective

At the conclusion of this module, the student will be able to identify construction types with their fire behavior characteristics and describe the various occupancy classifications including the hazards associated with each.

Chapter 6: Egress Fundamentals – An Overview

Terminal Learning Objective

At the conclusion of this module, the student will be able to explain the fundamental concepts of exiting.

Chapter 7: Fire Protection Systems

Terminal Learning Objective

At the conclusion of this module, the student will be able to describe the types and operations of various fire protection systems and discuss their impact on fire department operations.

Chapter 8: Preincident Planning

Terminal Learning Objective

At the conclusion of this module, the student will be able to discuss the process of pre-incident planning and its impact on fire fighter safety.

Chapter 9: General Fire Safety Requirements

Terminal Learning Objective

At the conclusion of this module, the student will be able to describe general fire safety requirements encountered during company inspections.

Chapter 10: Complex Hazards and Safety Requirements

Terminal Learning Objective

At the conclusion of this module, the student will be able to recognize and enforce basic code violation at and inspector level.

Chapter 12: Company-Level Fire Investigations

Terminal Learning Objective

At the conclusion of this module, the student will be able to determine the origin and cause of a majority of accidental and natural fires and identify when arson may have been committed.

Chapter 13: Fire and Life Safety Education

Terminal Learning Objective

At the conclusion of this module, the student will be able to explain the importance of fire and life safety education and the planning process involved in developing programs.

Chapter 14: Company-Level Standby Life Safety Duties

Terminal Learning Objective

At the conclusion of this module, the student will be able to discuss the types and requirements of standby functions.

Reference List:

NFPA 1021 "Professional Qualifications for Fire Officer"

"Fire Inspection and Code Enforcement" 7th ed. IFSTA

"Fire Investigator-Principles and Practice" 3rd ed. Jones & Bartlett

"Fire and Life Safety Educator" 3rd ed. IFSTA

Course Schedule

<u>Session 1</u>		Duration
	Course Business, Orientation, Introduction	1:00 hour
Chapter 1	The Impact of Fire Prevention on FD Operations	1:30
Chapter 2	The Need for Fire Prevention	2:00
Chapter 3	Codes, Standards & Ordinances	1:30
Chapter 4	Conducting Company-Level Inspections	2:00
<u>Session 2</u>		
Chapter 5	Building Construction & Occupancy Classification	2:30
Chapter 6	Egress Fundamentals-An Overview	2:30
Chapter 7	Fire Protection Systems	3:00
<u>Session 3</u>		
Chapter 8	Preincident Planning	2:00
Chapter 9	General Fire Safety Requirements	2:00
Chapter 10	Complex Hazards & Requirements	4:00
<u>Session 4</u>		
Chapter 10	Complex Hazards & Requirements	1:00
Chapter 12	Company-Level Fire Investigations	3:00
	Field Inspection Activity	4:00
<u>Session 5</u>		
	Field Inspection Activity Review	2:00
Chapter 13	Fire & Life Safety Education	2:00
Chapter 14	Company-Level Standby Life Safety Duties	2:00
	End-of-class Business & Final Exam	2:00