

University of Illinois Fire Service Institute

Course Syllabus

Course Title: First Due for Fire Alarms

Course Duration: 3 hours

Program: Firefighting

Course Description: This course is designed for all levels of the fire service. In this course, the student will learn the basics of fire and sprinkler systems as well as basic elevator functions during an alarm. The knowledge gained from this course will assist fire companies to identify and respond to different types of alarms. This will increase their awareness of tactical and strategic decision making. Upon completion of this course, the student will have a better understanding of using the fire alarm system as a tool in identifying where a true fire may be located before it starts growing exponentially.

Course Requirements:

Pre-Course Work - Review current department's Fire Alarm SOG.

Course Work - Attend and participate in all classroom and practical sessions.

Post-Course Work - None

Course Policies:

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.

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.

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Course Content:

Module: 1

Title: Terminology of Fire Alarms

Terminal Learning Objective:

1. At the conclusion of this module, the student will explain the common terminology used for fire alarm systems and equipment.

Module: 2

Title: Key Components of Alarms

Terminal Learning Objective:

2. At the conclusion of this module, the student will identify the key components of alarms.

Module: 3

Title: Sprinkler Systems

Terminal Learning Objective:

3. At the conclusion of this module, the student will identify the different types of sprinkler systems and how they work.

Module: 4

Title: Fire Alarms and Elevators – Components and Effects

Terminal Learning Objective:

4. At the conclusion of this module, the student will identify the role that fire alarms have during elevator operations.

Module: 5

Title: Locating and Documenting the Alarm

Terminal Learning Objective:

5. At the conclusion of this module, the student will identify the different types of alarms and how to properly document them.

Reference List:

NFPA 72 National Fire Alarm and Signaling Code, 2022 Edition

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Course Schedule

DAY ONE

<u>Event</u>	<u>Duration</u>
Module 1 – Terminology of Fire Alarms	20 minutes
Module 2 – Key Components of Alarms	25 minutes
Break	
Module 3 – Sprinkler Systems	25 minutes
Module 4 – Fire Alarms and Elevators – Components and Effects	30 minutes
Break	
Module 5 – Locating and Documenting the Alarm	30 minutes
Drill 1	20 minutes
Drill 2	30 minutes