

Program of Instruction

Course Syllabus

Course Title: High Rise Firefighting Operations

Course Duration: 1 - 16 hours

Program: Firefighting Program

Course Prerequisites:

Course Description: In this class, students learn about the challenges unique to high-rise buildings such as the mixture of commercial, high hazard storage, assembly and residential occupancies. Understanding the construction features, detection-suppression-communications systems, and strategic and tactical considerations required of the command personnel are discussed. Various firefighting problems are illustrated as they relate to fire department connections, methods of supplying standpipes or sprinklers, hose layouts and deployment, and command and control issues. Instructors also cover accountability, stack affect, rescue profile, ventilation concerns, and fire suppression challenges outside the reach of pre-connected hose lines.

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: Attend and participate

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.

Course Content:

Module: 1

Title: High Rise Firefighting Operations

Terminal Learning Objectives:

At the conclusion of this module, the student will understand problems associated with high-rise operations.

Reference List:

Fire Officer's Handbook of Tactics 4rd Edition. Norman, John, ©2012 PennWell Corporation.

Collapse of Burning Buildings 1988. Dunn, Vincent, ©1988 Fire Engineering Books & Videos, Firefighter Survival Series.

Command and Control of Fires and Emergencies 2001. Dunn, Vincent, ©2001 Fire Engineering, PennWell Publishing Company

The Strategy of Firefighting 2007. Dunn, Vincent, ©2007 PennWell Publishing Company

Course Schedule

DAY ONE

<u>Event</u>	<u>Duration</u>
Module 1 – High Rise Firefighting Operations	4 hours
Lunch	
Module 1 – High Rise Firefighting Operations Cont'd	4 hours

DAY TWO

<u>Event</u>	<u>Duration</u>
Module 1 – High Rise Firefighting Operations	4 hours
Lunch	
Module 1 – High Rise Firefighting Operations Cont'd	4 hours