

University of Illinois Fire Service Institute

Program of Instruction Course Syllabus

Course Title: Engine Company Operations – Long Lead-outs

Course Duration: 8 hours

Program: Firefighting

Course Prerequisites: None

Course Description:

This class provides the opportunity to hone your skills at making the long stretch. When your pre-connected hose line is not going to reach, what is your plan, is it the most efficient method, have you and your crew trained and drilled on making the long lead out? This class allows repeated opportunities to manufacture lines off the rear hose bed to reach the tactical objective. Increasing your proficiency at building lines will result in getting water on the fire as quickly as possible.

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

Summary of Directions

Pre-Course Work: None

Course Work: Attend 100% of the class and participate in all drills.

Post-Course Work: None

Course Policies:

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% reference to the "True Emergencies" section of the IFSI Examination Policy.

Safety Policy: Students shall understand and follow all instructions about operational safety, as stated by instructors or as written in course materials.

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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 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 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.

Course Content:

Module 1: Beyond the Pre-connect

Terminal Learning Objective:

At the conclusion of this module, students will identify fireground situations that would require an Engine Company to manufacture an attack line.

Module 2: The Hose Bed – Set-up for success

Terminal Learning Objective:

At the conclusion of this module, students will describe how the rear hose bed of an engine can be set-up in a practical way to manufacture a long lead-out quickly.

Module 3: Long Lead-outs

Terminal Learning Objective

At the conclusion of this module, students will build lines to reach the seat of the fire.

Reference List:

Essentials of Firefighting, IFSTA, 7th Edition 2018

Fire Officer's Handbook of Tactics, PennWell Publishing, 4th Edition 2013

Fire Stream Management Handbook, David P. Fornell, PennWell Publishing, 1991

NFPA 1001, Standard for Fire Fighter Professional Qualifications, 2019 Edition

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Course Schedule

<u>Event</u>	<u>Duration</u>
Welcome & Introduction	15 minutes
Module 1 – Beyond the Pre-connect	1 Hour
Module 2 – The Hose Bed – Set-up for success	30 minutes
Demo – 3” Flat Gated Wye – 1 ¾” Secondary line options (Crosslay, Highrise Bundles, Double Donut)	
Demo – The Hose Bed Familiarization & Loads	
Break	
Demo – Stretching the line	
2 ½” Flat Load	1 hour
2 ½” Accordion Load	1 hour
2 ½” Minuteman Load	1 hour
Lunch	
Module 3 – Long Lead-outs	
Drill 3.1 – 2 ½” Flat – 1 ¾” Reverse Horseshoe Rear Hose bed – 1 ¼” leader tip	1 hour
Break	
Drill 3.2 – 2 ½” Load – 1 ¾” Dead Load Rear Hose bed – 1 ¼” leader tip	1 hour
Break	
Drill 3.3 – 2 ½” – 1 ¾” Attack Load Crosslays – 1 ¼” leader tip	1 hour
Closing & CEQs	15 minutes