

# Program of Instruction

## Course Syllabus

**Course Title:** Master Stream Operations and Application

**Course Duration:** 1-16 hours

**Program:** Fire Fighting

**Course Prerequisites:** Students must be a member of a fire department or brigade. Students must furnish approved helmet, turn out gear, eye protection, gloves, SCBA and boots for the practical portion of this class.

**Course Description:** Students will learn to identify conditions requiring master streams at fires in buildings or emergencies which require protecting exposures with a required fire flow of 350 gpm or greater. The various nozzle types and their characteristics available at the class location are discussed at length with deployment and operation being the greatest focus of this “hands on class” The nozzle reaction, use of various devices or appliances and their required pressures, selecting the proper line sizes and safe handling and operating procedures round out the practical portion of this class.

**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 in the course.

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.

**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 qualified instructors. All grading of practical exercises shall be based upon the standards set by the regulatory agency referenced in the course material and IFSI.

**Course Content:**

Module: 1

Title: Master Stream Operations and Application

Terminal Learning Objectives:

At the end of this module students will be able to explain basic concepts of using master streams on the fireground.

## Course Schedule

<b><u>Event</u></b>	<b><u>Duration</u></b>
Module 1 – Master Stream	2 hour
Drill 1.1 – Master Streams	4 hours
Additional practice of drill's	10 hours