

University of Illinois Fire Service Institute

Course Syllabus

Course Title: Mobile Water Supply Operations

Course Duration: 1 – 16 Hours

Program: Driver/Operator

Course Prerequisites: None

Course Description: This course is designed for fire department personnel who utilize mobile water supply operations. Students will familiarize themselves with various alternative water sources and the equipment that is necessary to make use of those sources. Students will also discuss the need to pre-plan mobile water supply operations. Upon successful completion of this class, the student will learn how to make more efficient use of their department's equipment.

Course Requirements and/or Recommendations:

Pre-Course Work – None
Course Work – None
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.

Course Content:

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Module: 1

Title: Mobile Water Supply Operations

Terminal Learning Objective:

1. At the conclusion of this module, the student will demonstrate mobile water supply operations.

Module: 2

Title: Pre-planning

Terminal Learning Objective:

2. At the conclusion of this module, the student will identify the need for pre-planning for mobile water supply operations.

Reference List:

Gotbigwater.com

IFSI, Fire Apparatus Engineer, Version 7, 2019

IFSI, Mobile Water Supply Apparatus Driver/Operator, Version 1, 2016

IFSTA, Pumping Apparatus Driver/Operator Handbook, 3rd Edition 2015

Jones and Bartlett Learning, Fire Apparatus Driver/Operator, 3rd Edition 2019

NFPA 1002, Standard for Fire Apparatus Driver/Operator, Edition 2017

NFPA 1142, Standard on Water Supplies for Suburban and Rural Fire Fighting, Edition 2017

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Course Schedule

DAY ONE

<u>Event</u>	<u>Duration</u>
Module 1 – Mobile Water Supply Operations	1 hour
Module 2 – Pre-Planning	1 hour
Drill 1.1 – Establishing a Fill Site from a Hydrant	2 hours
Drill 1.2 – Establishing a Fill Site from a Static Source	2 hours
Drill 1.3 – Establishing a Dump Site	2 hours

DAY TWO

<u>Event</u>	<u>Duration</u>
Additional Practice	4 hours
Final Scenario - ISO Water Supply Delivery Test	4 hours