

Program of Instruction

Course Syllabus

Course Title: S-211 Portable Pumps & Water Use

Course Duration: 16 hours

Program: Wildland Firefighting

Course Prerequisites

None

Course Description

This course is designed to provide knowledge and skills to design, setup, operate, troubleshoot, and shut down portable water delivery systems. The focus is on portable pumps – it does not address water delivery for engines. Topics covered include: portable water delivery systems; equipment; roles and responsibilities; and system design and hydraulics. There is also a field exercise where students will apply what they learned in the classroom.

Course Requirements and/or Recommendations

Summary of Directions

Pre-Course Work: None

Course Work: None

Post-Course Work:

Students must obtain a score of 70% or higher on the final exam to receive a certificate of completion for the course.

Reference List:

- Unit Leader Position Task Book (initiated at the home unit), located at <http://www.nwcg.gov/pms/pms.htm>.
- Fireline Handbook(PMS 410-1, NFES 0065), located at <http://www.nwcg.gov/pms/pubs/pubs.htm>.
- Incident Response Pocket Guide (PMS 461, NFES 1077), located at <http://www.nwcg.gov/pms/pubs/pubs.htm>.

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% refer to "True Emergences" section of the IFSI Examination Policy.

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 the Curriculum/Testing Office. All grading of practical exercises shall be based upon the standards set by the regulatory agency referenced in the course material and IFSI.

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.

Evaluation Strategy: *Example:* Students will be evaluated with an end of course exam, and performance evaluation checklist.

Course Content:

Unit 0: Introduction

Unit 1: Portable Water Delivery Systems

Unit 2: Equipment

Unit 3: Responsibilities

Unit 4: System Design and Hydraulics

Unit 5: Field Exercise, and Field Exercise Final Exam

Course Schedule

DAY ONE

<u>Event</u>	<u>Duration</u>
Unit 0 – Introduction	30 minutes
Unit 1 – Portable Water Delivery Systems	30 minutes
Unit 2 – Equipment	1 hours
Unit 3 – Responsibilities	2 hours
Lunch	
Unit 4 - System Design and Hydraulics	3 hours
Final Exam	1 hour

DAY TWO

<u>Event</u>	<u>Duration</u>
Unit 5 – Field Exercise, and Field Exercise Final Exam	4 hours
Lunch	
Unit 5 – cont.	4 hours
