

Program of Instruction

Course Syllabus

Course Title: Confined Space Rescue Technician: Shaft Rescue

Course Duration: 8 hours

Program: Special Operations Training Program

Course Prerequisites: Confined Space Rescue Technician

Course Description: Special Operations Training Program Refresher Courses provide hands on training at the technician level. Participants will have the opportunity to refresh critical skills through classroom review, drills and/or scenario exercises. This course reviews the federal and state regulations for confined space, high angle, and hazardous materials incidents, the use of specialized equipment for atmospheric monitoring, and commercial and rescuer constructed retrieval systems. The class includes simulated rescue evolutions requiring a mixture of all three disciplines, challenging the responder to deal with rescuing the rescuer in a contaminated atmosphere. Special emphasis is given to rescuer safety, tactical scene management, patient care, the construction and operation of retrieval systems, and entry into constricting shaft-related spaces.

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: Participate in all coursework, drills and scenarios.

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.

Course Content:

Module: Shaft Rescue Refresher

1. List the safety procedures to be followed during confined space rescue operations.
2. Identify proper PPE for confined space rescue.
3. Describe the advantages, limitations, and uses of the following types of respiratory protection at confined space incidents and those that may include hazardous materials: positive pressure self-contained breathing apparatus, positive pressure air-line respirators with required escape unit, and air-purifying respirators.
4. Identify the different methods of communication used in confined space rescue.
5. Identify the steps in an analysis process for identifying unknown solid and liquid materials.
6. Identify the steps in an analysis process for identifying an unknown atmosphere.
7. Identify the type(s) of monitoring equipment, test strips, and reagents used to determine the following: corrosive (pH), flammability, oxidation potential, oxygen deficiency, radioactivity, and toxic levels.
8. Demonstrate the proper techniques to identify and quantify materials: carbon monoxide meter, colorimetric tubes, combustible gas indicator, oxygen meter, pH indicators and / or pH meters, radiation detection instruments, reagents, and test strips.
9. Determine what type of patient packaging is necessary for a specific patient.
10. Demonstrate basic steps to complete the spinal immobilization of a patient.
11. Perform a rescue of a vertically suspended victim that will need to be retrieved using pickoff operations.
12. Perform a rescue of a victim from inside of a shaft with minimal clearance.

Class Schedule

Orientation	30 minutes
Drill Station: Supplied Air Breathing Systems - rotate	30 minutes
Drill Station: Communication - rotate	30 minutes
Drill Station: Confined Space Monitoring - rotate	30 minutes
Drill Station: Patient Packaging - rotate	30 minutes
Drill Station: Tripod & High Point Anchor Rigging Review - rotate	1 hour
Drill Station: Maintenance – rotate Your Stuff is 10 years old, now what? How to complete maintenance on your SABA, com systems, tripods, etc..	30 minutes

Lunch

Scenario: Vertical Shaft Rescue	2 hours
Scenario: Horizontal Shaft Rescue	2 hours