

# Program of Instruction

## Course Syllabus

**Course Title:** Rope Rescue Technician: Rope Rescue Litter Refresher

**Course Duration:** 8 Hours

**Program:** Special Operations Training Program

**Course Prerequisites:** Rope 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 provides personnel with the knowledge and skills needed to perform rescues using rope systems and rescue litters. This program is designed to refresh personnel on the use of rescue litters while performing high angle rescues with a litter tender negotiating obstacles and providing care. It will also deal with patient packaging and moving a rescue litter and rescuer over an edge during raising and lowering operations. Special consideration will be given to creating an elevated leading edge. The class will cover the use of rope, rope equipment, hardware, construction of mechanical advantage systems, belay and safety systems, anchor systems along with understanding the principles and physics involved in constructing rope rescue systems for litter basket rescue. Special consideration will be given to the policies of standard-making agencies such as OSHA, ANSI, NFPA, and others.

**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: Step One Learning available online

Course Work: Attend and participate in all lectures and class activities

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: Rope Rescue Litter Refresher**

1. Summarize the safety rules for rope rescue operations
2. Explain the safety considerations to take during litter basket operations.
3. Construct a bridle system for a litter basket for a raise and lower with a single rescuer accompanying the litter basket in a vertical orientation.
4. Operate as a member of a team in the operation of a rope rescue system to raise and lower a person in a litter basket having a vertical orientation with the litter basket and attendant on the same mainline.
5. Operate as a member of a team in the operation of a two rope rescue system to raise and lower a person in a litter basket having a vertical orientation with the litter basket and attendant on the separate lines.
6. Construct a bridle system for a litter basket for a raise and lower with a single rescuer accompanying the litter basket with a horizontal orientation side to side.
7. Operate as a member of a team in the operation of a two rope rescue system to raise and lower a person in a litter basket having a horizontal orientation with the litter basket and attendant lines attached side to side.
8. Construct a bridle system for a litter basket for a raise and lower with a two rescuers accompanying the litter basket with a horizontal orientation end for end.
9. Operate as a member of a team in the operation of a two rope, rescue system to raise and lower a person in a litter basket having a horizontal orientation with the litter basket and two rescue attendants attached to the basket end for end.
10. Construct belays so that each rescuer and litter basket is on independent belays.
11. Explain the safety considerations taken into account while packaging a patient.
12. List the steps to package a patient into a litter with concern for injuries.
13. Immobilize a patient on a long back board.
14. Protect the patient from the environment.
15. Package a patient in a litter basket.
16. Explain safety considerations when packaging a patient for external evacuation using a helicopter.
17. Explain the safety considerations when using a bridle system for rescue operations.

18. Construct a rope bridle system for a vertical or horizontal lift of a rescue litter using sewn webbing straps, rope and webbing.
19. Attach a bridle system to a Rescue litter using sewn webbing slings, rope and webbing.
20. Explain the safety precautions to take when moving a packaged patient in a rigid litter basket through a floor hatch.
21. Construct a bridle for a hatch raise system
22. Operate as a member of a team to lift a victim packaged in a rigid litter basket, starting from a horizontal litter orientation then to a vertical orientation, through a floor hatch with a maximum side dimension of 36 inches without an overhead directional anchor.

## **Class Schedule**

Introduction	15 minutes
Safety	15 minutes
Rope and Knots Review	30 minutes
Anchors, Rigging and Elevated Leading Edge Review	2 hours 30 minutes
Belay	30 minutes
<b>Lunch</b>	
Patient Packaging	1 hour
Litter Basket Handling Techniques	3 hours