

# Program of Instruction

## Course Syllabus

**Course Title:** Structural Collapse Rescue Technician: Lifting and Cribbing Refresher

**Course Duration:** 8 hours

**Program:** Special Operations Training Program

**Course Prerequisites:** Structural Collapse 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 pertains to building collapse rescues involving injured or entrapped persons. The class covers the federal and state regulations, collapse mechanisms, use of specialized equipment for technical search, building recon, rescue shoring and tool maintenance.

**Resources Needed:** Each MABAS/CART team represented will need to utilize their equipment.

For the classroom Recon and Technical Search review: IFSI will provide the PowerPoint presentation. The requesting Division will provide a computer and projector.

For the Tool Maintenance: The requesting Division(s) will provide their saws, power units and hydraulic hoses.

Module - Cribbing and Ellis Shores: Material being shored, as well as the cribbing, will have to be onsite or furnished by the requesting Division(s).

Module - Lifting evolution and Grip Hoist: Material being lifted and the equipment needed to perform the operation will be furnished by the requesting Division(s).

**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: Attends and participates in all lectures and class drills.

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: Lifting and Cribbing Refresher**

1. Review of forces, collapse mechanisms, safety requirements, review updates to the current FOG/SOG manuals.
2. Tool care and maintenance (saws, power units and hydraulic hoses).
3. Recon and technical search. Review of equipment and maintenance. Estimating weight of materials. Perform a recon operation.
4. Cribbing and Ellis shores. Review up-dates and capacities of cribbing, perform a cribbing operation, review the use of Ellis shores and perform a shoring operation using Ellis shores.
5. Lifting evolution & Grip Hoist. Review proper operation of a lifting scenario. Perform a lifting scenario using lift bags, cribbing and hydraulic equipment. Review the operation and maintenance of the Grip Hoist. Perform an operation using a Grip Hoist.

# Class Schedule

Orientation	30 minutes
Module: Classroom review (PowerPoint)	1 hour 30 minutes
Drill: Tool Maintenance	1 hour 30 minutes
Drill: Recon and Technical Search	1 hour 30 minutes
<b>LUNCH</b>	
1st Module: Cribbing and Ellis shores	1 hour 30 minutes
2nd Module: Lifting evolution & Grip Hoist	1 hour 30 minutes