

Program of Instruction

Course Syllabus

Course Title: Structural Collapse Rescue Technician: Rakers 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 review, Recon and Technical Search: 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 - Raker Shoring Systems: The following lumber list will need to be ordered by the hosting MABAS/CART Division(s)

- 30 - 4' X 4' x 16'
- 4 - sheets of $\frac{3}{4}$ plywood
- 8 - 2' X 6' X 16'
- 6 - 2' X 4' X 16'

(Approximate Price of \$ 960.00)

Module - Cribbing and Ellis Shores: The material being shored, as well as the cribbing, will have to be onsite or 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: Attend and participate in all class activities and 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: Rakers 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. Rakers; review different types and capacities, demonstrate the construction of raker shores.
5. 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.

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
LUNCH	
1st Module: Wood Raker System	1 hour 30 minutes
2nd Module: Cribbing and Ellis shores	1 hour 30 minutes