

## Safety and Health for Construction Supervisors

**Time:** 40 hours

**Maximum Class Size:** 10

**Prerequisites:** None

**Course Description:** This 40-hour LIUNA Training and Education covers many of the important safety and health issues that a construction supervisor may face. First, safety skills such as auditing the jobsite, accident investigation, and critical incident stress debriefings are introduced. Next, strategies for planning safety and health into the job are presented along with integrating safety and productivity and completing JSAs. The essential tasks of creating a safety culture, implementing toolbox talks, encouraging workers to embrace fitness, establishing safety and health committees, and communicating safety to upper management are also addressed

### Goals/Objectives/Student Learning Outcomes:

- Identify the four leading causes of death on construction jobs
- Describe the process of auditing a job site and the supervisor's role in the process
- Given photos or a simulation of a job site, identify at least 80 percent of the hazards in the photos or simulation
- Report the current drug and alcohol abuse trends as they pertain to the construction industry
- Identify the classes of drugs of abuse and provide at least one symptom of abuse for each class of drug
- List the three basic steps of a typical drug testing procedure. Identify the five factors that influence the type of drug policy an employer uses
- Identify three sources of employee assistance available for workers in need of help for a substance abuse problem
- List the appropriate steps for a supervisor to follow if he or she suspects a worker is under the influence of a drug
- Explain the purpose of an accident investigation
- Identify at least three reasons why workers avoid reporting accidents
- Identify all the elements of an effective accident investigation
- Given an accident scenario, perform a complete accident investigation using the above guidelines
- Identify at least three appropriate and three inappropriate reasons to use a critical incident stress debriefing (CISD)
- Identify the steps for arranging, convening, and following up a CISD. Explain the role and responsibility a supervisor has in the CISD process

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- Identify the resources available for workers who have been affected by a workplace tragedy and/or emergency
- Given a scenario of a job using a safety incentive program, identify at least two positive and two negative aspects of the program
- Identify at least five activities on the job site that can be impacted by planning for safety and health
- Given scenarios of poorly planned jobs, identify at least one hazard for each scenario. List at least one plan that could be implemented to avoid each hazard
- List at least two obstacles to planning for safety and health. Give at least one remedy for overcoming each obstacle
- Given case studies, identify at least one method to improve coordination among contractors and subcontractors for each case study
- Identify at least three conflicts that arise between safety and productivity on the job site
- Identify at least two ways in which safety can benefit productivity on the job
- Given a set of typical safety improvements, identify at least one benefit to productivity for each improvement
- Define job safety analysis (JSA). State why JSAs are performed
- Identify the four basic steps of a JSA
- Given a scenario of a simple task, identify the basic steps of the task and the hazards of each step
- Given a scenario of a job or task, perform a complete JSA per the guidelines provided
- Define the concepts of accountability for safety
- List three measures of accountability for safety. List the advantages and disadvantages of each measure
- Identify three examples of both negative stress and positive stress that are applicable to a supervisor
- List at least three physical symptoms of stress
- Provide at least three examples of appropriate responses to stressful situations. Include at least one controllable and one uncontrollable stressor
- Explain why the OSH Act and OSHA were created
- Define the following:
  - General Duty Clause
  - Standard
- List the five top OSHA citations in highway and/or building construction
- Describe the OSHA citation process
- Describe how OSHA prioritizes situations for inspections
- List the responsibilities that a supervisor has during an OSHA inspection
- List the right that workers have during an OSHA inspection
- List the steps that a supervisor should take if a worker files an OSHA complaint
- List the steps to take if a worker requests information about an OSHA standard; workplace injuries, illnesses or hazards; or workers' rights under the OSH act

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- Identify at least two instances when workers must receive safety and health training. Describe the supervisor's role in workplace safety and health training
- Explain OSHA's definition of a competent person. Give at least two examples of when OSHA requires a competent person
- List at least three typical responsibilities of a competent person
- List at least three criteria that an employer/supervisor should use for selecting a competent person
- Given an SDS and a set of questions, locate the information within the SDS to answer the questions correctly (80% or above correct)
- Given a scenario and working in small groups, describe the role of a supervisor in the employer's hazard communication program
- List at least two problems that can arise on the job site from poor hazard communication. Identify at least one solution to each problem
- Given a scenario, identify at least two methods for determining if workers are knowledgeable about hazardous chemicals on the job. Identify deficiencies in the HAZCOM program and at least one means to eliminate each deficiency
- List the responsibilities that the employer/supervisor has for workers about PPE
- List at least two reasons why workers do not wear PPE when required. Identify at least one strategy that will motivate workers to wear PPE for each reason
- Given a scenario of a job involving a series of tasks, identify the hazards and PPE needed to protect workers from each hazard. Identify when each type of PPE must be worn and when it may be removed
- List at least three instances where construction employers are required to have medical screening or surveillance for employees
- Identify at least four safety measures an employer can implement to respond to a situation where a worker needs medical attention
- Distinguish between the three levels of employment in which an employer can make medical inquiries under the Americans with Disabilities Act
- Define the term "safety culture." Give at least three examples of how a supervisor can reinforce the concept of a safety culture.
- Identify at least two methods for communicating risks to workers
- Identify and explain at least two instances where an injury on the job has affected career and/or family life
- Identify a risk commonly taken by workers on the job. Develop at least two strategies for motivating workers to avoid taking the risk
- Given a scenario of a task, discuss the hazards and the risk of injury to workers
- List at least five factors that can affect the outcome of a toolbox talk
- Identify at least three issues that could be topics of a toolbox talk. Choose one topic and create an outline for a talk
- Present a three-minute toolbox talk
- Identify and explain at least three behavioral health habits or health conditions that can affect a worker's job performance

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- Given a scenario of a worker with a behavioral health issue and working in small groups, list at least four ways in which an employer/supervisor can play a role in promoting better personal health habits as they relate to work and working conditions
- Identify at least three resources that a supervisor can tap into to help improve workers' health behaviors
- List at least three duties of a safety and health committee. Explain the structure of a joint labor-management safety and health committee
- Given a scenario of a problem presented to a safety and health committee, and working in small groups, list at least two resolutions to the problem
- List at least one reason why workers might be reluctant to speak out about safety and health issues
- List at least one way that a supervisor can encourage workers to speak out for safety
- Identify at least three key points that can be made when communicating with upper management about the justification for safety improvements on the job site
- Given a scenario involving a job site safety issue, identify a potential safety improvement and demonstrate at least one strategy for communicating the issue with upper management
- List and describe at least three safety and health resources

### Classroom Rules and Procedures

- All classes begin at 6:30 am and end at 3:00 pm
- Upon entering classroom, all participants must sign in and be seated by 6:30 am
- Class will consist of a combination of lecture, video, demonstration, coached group exercises, individual exercises and assessment.
- Students are required to report to class ready to work and maintain the provided PPE

### Textbooks/Readings/Materials

- LIUNA *Safety and Health for Construction Supervisors* IG/PG
- *Safety and Health for Construction Supervisors* Handout Packet
- LIUNA *Safety and Health for Construction Supervisors* PowerPoint

### Personal Protective Equipment

- 10 pairs of gloves
- 10 pairs of safety glasses
- 20 pairs of earplugs
- 12 hard hats

## **Safety and Health for Construction Supervisors**

### **Course Requirements**

To receive credit for the course, participants must:

- Be present for the full 40 hours
- Participate in all classroom exercises
- Pass a written exam

### **Course Policies**

- Participants must be on-time and ready to work.
- Participants must return from breaks on-time.
- Participants must participate in each exercise and assignment

### **Assessment and Grading**

Participants will be assessed on the following:

- All written exams must be passed with a score of 80% or above.
- All hands-on exercises are graded on performance and participation. They are pass/fail and must be passed with a score of 80% or above.

### **Safety**

Failure to maintain and use PPE may result in dismissal from the course.