

Prerequisites: This course shall have no formal pre-requisite.

Course Length: 4 hours – Course length shall vary depending on the number of delegates. Total course time includes breaks.

Class Size: The maximum number of delegates that may be trained and tested per instructor shall be thirty-five (35) in the classroom session and twenty (20) in the practical session. A second instructor is added for the practical session once the participation exceeds twenty (20).

Course Objective

- Provide delegates assigned to work on or around scaffolds the necessary skills to safely perform their jobs.
- Provide delegates with recommended practices and guidelines to perform safely while working with scaffolds.
- Delegates should be able to demonstrate the necessary skills during practical examination and demonstrate knowledge during written examination.

Course Design

- Power Point© / Lecture / Audio Video / Visual Aids

Successful Course Completion

- Requires a minimum score of 75% or better.
- Grades shall be calculated by dividing the number of questions answered correctly by the total number of exam questions.
- Delegates will have no more than thirty (30) minutes to complete the exam.

Course Content Summary

- Classroom
- Practical

Breaks: 10 minutes (approximately every hour)

Lunch: 1 Hour

Course Outline

About Scaffolds

- Scaffold Regulations
- Competent Person Definition
- Scaffold Training Elements
- Tagging System

- Green Tags
 - Yellow Tags
 - Red Tags
- Common Scaffold Types
 - Tube and Clamp Scaffold
 - System Scaffold
 - Rolling Tower Scaffold
 - Frame Scaffold
- Basic Scaffold Components
 - Mud Sills
 - Screw Jacks
 - Vertical Post
 - Support Structure
 - Runners
 - Bearers
 - Diagonal Braces
 - Clamps
 - Working Area
 - Guardrail System, planks and platforms, ladders
- Safe Access to a Scaffold
- Scaffold Classification
 - Light Duty
 - Medium Duty
 - Heavy Duty
- Scaffold Load Capacity Calculation Example

Scaffold Requirements

- Scaffold Platform
 - Plank Requirements
 - Metal
 - Wood
 - Securing Planks
 - Plank Loading
 - Wood Plank
 - Labeling/Usage
 - Allowable Spans
 - Intended Load
 - Integrity
 - Allowable Knots
 - Allowable Splits
 - Deformations
 - Warp Table Example

Fall Protection

- Guardrail System Requirements
 - Top Rail
 - Mid Rail
 - Toe Boards
 - Vertical Supports
- Personal Fall Arrest System Requirements
 - Harness
 - Lanyard
 - Anchor Point
 - Vertical Life Lines
 - Horizontal Life Lines
- Falling Objects

Scaffold Construction

- Scaffold Erection/Dismantling
 - Competent Person Requirements
 - Safe Access
 - Material Handling
 - Use of rope to lift/lower material/tools
 - Proper knot security
 - Tubulars
 - Planks
 - Tools, etc...
 - Barricading Work Area

Scaffold Safety

- Personal Protective Equipment (PPE)
- General Safety
- Ladder Safety
- Welding Safety
- Scaffold Security
 - Rolling Scaffolds
 - Securing Scaffolds to Solid Structures
 - Wind Force Example
- Electrical Safety
- Scaffold Inspection
 - Review Inspection Criteria

Practical Session

Practical shall verify that the delegate is able to complete the following:

- Select and wear appropriate PPE during practical training
 - Perform proper pre-use inspection of scaffold and equipment
 - Remove scaffold and associated tools/equipment from service if it is unsafe
 - Identify hazards associated with Scaffolds
 - React to unusual or emergency situations
 - Utilize proper fall protection
 - Determine safe scaffold platform capacity
 - Access/egress from scaffold properly
- Failure to complete the above exercises will result in failure of the practical session; the failure will be reflected on both the class roster and the practical assessment form and reported to the Facility Manager.

Reference Material / Documents

OSHA 29 CFR 1926 Subpart L