

Course Required for:	<input checked="" type="checkbox"/> Worker Training <input checked="" type="checkbox"/> License Qualification
Purpose:	This course is a requirement for an individual to supervise the installation or use of a Suspended Scaffold in New York City.
Duration:	32 Hours of instructional time, excluding breaks and meals
Class Size:	1 – 30 Trainees
NYC Requirement:	<p>To supervise and use suspended scaffolds in New York City, the individual must successfully complete this 32-Hour Suspended Scaffold Supervisor Course.</p> <p><i>NOTE: In addition to completing this training course, individuals who supervise the installation or use of a suspended scaffold must be designated as a Foreman on behalf of the licensed Rigger or Sign Hanger.</i></p>
Delivery Requirements:	<p>Hybrid training is permissible for courses that contain both Classroom Lecture and Hands-On as the Instruction Delivery Methods.</p> <p>Where the Instruction Delivery Method indicates:</p> <ul style="list-style-type: none">• Hands-On: the instruction must be delivered onsite and in person. The students must physically handle the items during the hands-on. The procedure being instructed must be demonstrated and explained to the students first.• Demonstration: the demonstration may be delivered either by a person or a video. Video Demonstrations may be delivered by virtual live classroom however, self-study modules are not permissible.• Classroom Lecture/Discussion w A/V (Audio-Visual): the instruction may be delivered by virtual live classroom; however, self-study modules are not permissible.
Facility Requirements:	<p>The Training Facility used by the Course Provider must:</p> <ul style="list-style-type: none">• Have sufficient room to accommodate all expected attendees and the equipment needed to perform hands-on exercises where required as part of the course.• Make provisions for the presentation of training material in all media types (computer, projector, video/DVD player, etc.).• Comply with all applicable laws, rules and regulations relating to occupancy, zoning, egress, fire detection, fire suppression, light, ventilation, cleanliness, sanitary facilities, emergency notification and evacuation procedures. <p>Training may be held at construction sites, provided the above requirements are met.</p>
Instructor Requirement:	<p>To deliver this course the instructor(s) must:</p> <ul style="list-style-type: none">• Demonstrate that he or she is credentialed or trained in instructional methods and learning processes. The instructor(s) must also successfully demonstrate his or her ability to solve or resolve problems relating to the subject matter by possession of a recognized degree, certificate, licensure or professional standing, or by extensive knowledge, training, and experience, in the subject matter being taught. To the extent that the course instructor(s) holds, or has held, a trade license issued by the Department, it must be in good standing and not be surrendered to, suspended by or revoked by the Department.• Be authorized by the Occupational Safety and Health Administration (OSHA) as a trainer(s) for its Construction and Outreach Program.• Comply with all applicable Federal, State, and local laws, rules and regulations, and the Department's Industry Code of Conduct.

Course Requirement:

All topics listed under Course Content Requirements must be covered using the listed Instructional Delivery Method. The time dedicated to each outline topic should be appropriate for the course content and can vary depending on the trade or job performed by the trainee. The Instructional Delivery Materials used in this course must contain all current applicable NYC Construction Code references, current rules, policies, and bulletins.

All statistics referenced should reflect the latest publicly available statistics. The selection of Case Studies should prioritize incidents in NYC since the prior renewal period and contain relevant and illustrative photos where available.

Refresher or Renewal Courses should focus on the updates since the prior renewal period.

Course Content Requirements

Instruction Delivery Method

<p>1. Introduction to Suspended Scaffolds</p> <ul style="list-style-type: none"> • Types • Major components • Manufacturers specifications • Limitations 	<p>Classroom Lecture/Discussion w A/V</p>
<p>2. Suspended Scaffold Incidents</p> <ul style="list-style-type: none"> • Common causes and prevention • Incident statistics • Case studies w/photos 	<p>Classroom Lecture/Discussion w A/V</p>
<p>3. OSHA 1926 Overview - Safety and Health Regulations for Construction</p> <ul style="list-style-type: none"> • Subpart E - Personal Protective Equipment and Life-Saving Equipment (PPE) • Subpart L – Scaffolds • Subpart M – Fall Protection • Subpart X – Stairways and Ladders 	<p>Classroom Lecture/Discussion w A/V</p>
<p>4. NYC Code Review – All applicable:</p> <ul style="list-style-type: none"> • Codes • Rules • Department-related policy statements • Regulatory notices • Bulletins and memos including: <ul style="list-style-type: none"> ○ Title 1 Rules of the City of New York <ul style="list-style-type: none"> ▪ 104-20 Supervisory Responsibilities of a Licensed Rigger ▪ 104-21 Supervisory Responsibilities of a Licensed Sign Hanger ▪ 104-22 Other obligations ○ All NYC Building Codes up to and including BC 2022 with emphasis on the scaffold sections (3314) in Chapter 33 Safeguards during Construction and Demolition 	<p>Classroom Lecture/Discussion w A/V</p>
<p>5. NYC Department of Buildings – All applicable:</p> <ul style="list-style-type: none"> • Administrative standard operating procedures • Policy and procedure notices • Permits (DOB NOW) • Department notifications (DOB NOW) • Forms • Filing and site documents • Plans • Inspection checklists/logs • Wind and weather advisories 	<p>Classroom Lecture/Discussion w A/V</p>
<p>6. General Principles of Fall Protection</p> <ul style="list-style-type: none"> • Fall clearance • Total fall distance calculations • Minimizing fall forces • Guarding against falling objects and tool tethering 	<p>Classroom Lecture/Discussion w A/V</p>
<p>7. Personal Protective Equipment and Fall Arrest Systems</p> <ul style="list-style-type: none"> • Selection • Donning, doffing harness and equipment and fit test of harness • Inspection procedures • Care of equipment and systems 	<p>Demonstration Hands-On Hands On Demonstration</p>
<p>8. Lifelines, Rope, and Cable Grabs</p> <ul style="list-style-type: none"> • Chaffing gear for lifelines and cables 	<p>Demonstration</p>

Course Content Requirements

Instruction Delivery Method

<p>9. Suspended Scaffold Use</p> <ul style="list-style-type: none"> • Safe use and tethering of tools • Safety hazards including fire hazards • Set-up/start-up procedures • Attach to structurally sound objects • Support methods: <ul style="list-style-type: none"> ○ C-hook ○ Outrigger system <ul style="list-style-type: none"> ▪ Counterweights ▪ Shoring ○ Pennant ○ Parapet clamp ○ Slings ○ Monorail systems ○ Davits ○ Anchors <ul style="list-style-type: none"> • Masonry and concrete anchors (expansion, adhesive, screw) • Pull testing of anchorage devices • Safety hazard power lines • Safe loading of the platform <ul style="list-style-type: none"> ○ Max spans ○ Guardrails ○ Planking ○ Debris netting • Raising and lowering the scaffold • Maneuvering and drifting • Shutdown and securing the scaffold 	<p>Hands On Hands On Classroom Lecture/Discussion w A/V Demonstration Demonstration</p>
<p>10. Hoist, Platform and Rigging Equipment Practices</p> <ul style="list-style-type: none"> • Electrical cables • Modular and corner scaffolds • Special rigging conditions • Scaffold motor types 	<p>Classroom Lecture/Discussion w A/V Classroom Lecture/Discussion w A/V</p>
<p>11. Maximum Intended Loads and Capacity Reducing Factors</p>	<p>Hands On Hands On Hands On</p>
<p>12. Rope, Fall, Knot and Hitch Configurations and Connections</p> <ul style="list-style-type: none"> • Rope (wire and fiber), hardware used in rigging, type, strength, application, manufacturers' specifications, limitations, and handling • Various applications and connection techniques using: <ul style="list-style-type: none"> ○ Ropes, knots, and hitches- <ul style="list-style-type: none"> ▪ Night ▪ Clove ▪ Rolling ▪ Timber hitch ▪ Bowline ▪ Sheet bend ▪ Square knot ▪ Additional knots, bends, and hitches 	<p>Classroom Lecture/Discussion w A/V</p>

Course Content Requirements

Instruction Delivery Method

<p>13. Wire Rope and Termination Techniques</p> <ul style="list-style-type: none"> • Fist Grip • Connection and termination of wire/fiber rope <ul style="list-style-type: none"> ○ Fasteners ○ Knots ○ Hitches ○ Hooks ○ Shackles ○ Thimbles ○ Eyes ○ Tackle blocks, etc. <ul style="list-style-type: none"> ▪ Including: connection to suspended work platforms, (i.e., scaffold platforms); hoist loads (materials, equipment) 	<p>Classroom Lecture/Discussion w AV</p>
<p>14. Inspection, Maintenance and Repair of Ropes, Rigging, Equipment, and Hardware</p> <ul style="list-style-type: none"> • Inspection process and safety checklists including: <ul style="list-style-type: none"> ○ What to inspect ○ How to inspect ○ How frequently to inspect ○ How to identify hazards ○ Steps to take if hazard discovered including: <ul style="list-style-type: none"> ▪ Rigging systems ▪ Ropes ▪ Anchorage ▪ Individual scaffold components ▪ Slings ▪ Cable size for hoist motors, etc. • Identification of wear, defects, failure signs in all rigging equipment • Handling, maintenance, repair/replacement of rigging equipment, rope, hardware, etc. • Types of maintenance required for ropes and motors <ul style="list-style-type: none"> ○ Roles <ul style="list-style-type: none"> ▪ Who can maintain? ▪ Who can repair? ○ Safeguards to take before beginning maintenance or repairs 	<p>Classroom Lecture/Discussion w AV</p>
<p>15. Rejection Criteria for Equipment and Rigging Hardware</p>	<p>Demonstration</p>
<p>16. Basic Rope, Fall, Hoist, Block and Rigging Set-Ups and Procedures</p>	<p>Hands On</p>
<p>17. Electric Motors, Controls and Cables</p> <ul style="list-style-type: none"> • Service report for the motors • Pendant/remote control 	<p>Classroom Lecture/Discussion w AV</p>
<p>18. Chemical Building Cleaning</p>	<p>Classroom Lecture/Discussion w AV</p>
<p>19. Welding</p>	<p>Classroom Lecture/Discussion w AV</p>
<p>20. Safety Checklists: Pre-Start, Scaffold Operation and Shut-Down</p>	<p>Classroom Lecture/Discussion w AV</p>
<p>21. Emergency Situations and Preparedness Procedures</p>	<p>Classroom Lecture/Discussion w AV</p>
<p>22. Industrial Rope Access (IRA)</p>	<p>Classroom Lecture/Discussion w AV</p>

Course Content Requirements

- 23. Handouts
 - [NYC Buildings Unsafe Condition \(311\) Notification Procedure](#)
 - [NYC/DOI Buildings Integrity Training Contact Information Sheet](#)
- 24. Review of all Training Topics
- 25. Written (Multiple Choice) Assessment
- 26. Hands-On Performance Assessment

Instruction Delivery Method

- Provide Copy to Trainee & Discuss
- Discussion with Questions & Answers
- Classroom
- On Scaffold