

Landscape Laborer Syllabus

Time: 40 hours

Maximum Class Size: 12

Prerequisites: None

Course Description: This 40-hour course covers the Personal Protective Equipment (PPE) required for safe landscape work. Participants will become familiar with a variety of hand and power tools required for this scope of work. In addition, students will have ample opportunity to practice using them. The safe operation, maintenance and sharpening of chain saws will be covered. Participants will be introduced to landscape plan reading, types of common amendments, fertilizers and nursery stock that are utilized on landscape jobs.

Goals/Objectives/Student Learning Outcomes:

- List four examples of when employers are required to supply workers with PPE.
- Describe at least two types of head protection and when they should be used.
- Describe at least two different types of eye protection used and the hazards that each type protects against.
- Describe at least two types of personal protective clothing and give an example of each and when each should be worn.
- Identify and describe four parts of a chain saw and the purpose of each.
- Describe five potential hazards of chain saw operation and what you can do to prevent these hazards.
- Identify the kick back zone of a chain saw and list four ways of preventing or reducing the chance of a kickback.
- Demonstrate start up and safe operation of a chain saw per the guidelines in the module.
- Identify and describe the purpose of at least four tools needed to sharpen a chain.
- Demonstrate how to sharpen a chain per LIUNA module guidelines.
- Identify at least five hand tools; describe and demonstrate usage and maintenance procedures for each tool.
- Describe and demonstrate at least six safe work practices when using hand tools.
- Describe and demonstrate how to start up and use: Groundhog, Hedger, Aerator, Brush cutter, Blower, Mower, Trencher, and Vibratory Plate.
- Describe and demonstrate how to use an Architect's ruler and Engineer's Ruler.
- Identify and describe how and why to use the following Amendments: compost, gypsum, vermiculite.

Landscape Laborer Syllabus

Goals/Objectives/Student Learning Outcomes continued:

- Identify and describe how and why to use the following Fertilizers: nitrogen, phosphorous and potassium.
- Demonstrate the proper planting techniques for trees, shrubs and ground cover.
- Identify and describe pipe, fitting, valves and sprinkles used in landscape irrigation.
- Properly install and program a mock irrigation system.
- Read blueprints for landscape.

Standards:

- OSHA Standard 29 CFR 1926.300 Subpart I Hand and Power Tools.

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: PPE PG
- LIUNA: Hand Tools IG/PG
- LIUNA: Subpart I-Hands & Power Tools IG/PG
- LIUNA: Chain Saw Operations, Maintenance & PPE IG/PG

Tools/Equipment/Other Materials:

- Utility knife
- Head wrench
- Trowel
- Pick
- Mattox
- Level
- Brooms
- Hoe
- Tamper
- File

Landscape Laborer Syllabus

- Ax
- Tubing cutter
- Pipe threader brush
- Wire brush

Tools/Equipment/Other Materials continued:

- Screwdriver
- Rake
- Hacksaw
- Sprayer
- Pruner
- Sand paper
- Maui
- Spreader
- saws
- PVC cutter
- Brush
- Tape measure
- Flaring and cleaning tool
- Channel locks
- Crescent wrench
- Propane torch
- Posthole digger
- Trenching shovel
- Wheelbarrow
- Bulb pruner
- Pole pruner
- Ground hog
- Hedger
- Aerator
- Brush cutter
- Blower
- Mower
- Trencher
- Chain saw
- Vibratory plate
- Compost
- Gypsum
- Vermiculite
- Acidall
- Nitrogen

Landscape Laborer Syllabus

- Phosphorous
- Potassium
- Trees
- Shrubs

Tools/Equipment/Other Materials continued:

- Ground cover
- Pipe: PVC, copper, poly
- Fittings: compression, slip, thread
- Valves: automatic, manual
- Sprinklers: impact, rotor, pop-up, drip

Personal Protective Equipment

- 12 pairs of gloves
- 12 pairs of Safety Glasses
- 20 pairs of Ear plugs
- 12 hard hats

Course Requirements

To receive credit for the course, participants must:

- Be present for full forty hours
- Participate in all classroom exercises
- Pass a written exam
- Pass three hands-on exams

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
- Participants who are on “light duty” are not allowed to take this course due to the physically demanding requirements.

Assessment and Grading

Participants will be assessed on the following:

Landscape Laborer Syllabus

- 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.