

HORT 401C: LANDSCAPE CERTIFICATION: HARDSCAPE INSTALLATION

Foothill College Course Outline of Record

Heading	Value
Units:	0
Hours:	12 lecture per quarter (12 total per quarter)
Degree & Credit Status:	Non-Degree-Applicable Non-Credit Course
Foothill GE:	Non-GE
Transferable:	None
Grade Type:	Non-Credit Course (Receives no Grade)
Repeatability:	Unlimited Repeatability

Student Learning Outcomes

- Properly install landscape paving materials
- Safely use landscape construction tools.

Description

General subjects related to certification with the California Landscape Contractors Association. Topics include plan reading, hardscape math calculations, instrument operation, grading and drainage, equipment operation, and paver installation. This course is intended for students seeking Certified Landscape Technician certification.

Course Objectives

The student will be able to:

- Read a hardscape plan.
- Perform material quantity math.
- Operate a survey instrument.
- Grade a site for drainage.
- Install pavers.
- Operate landscape equipment.

Course Content

- Hardscape plan reading.
 - Identifying plan symbols.
 - Identifying plan scale and orientation.
 - Determining locations of proposed hardscape.
 - Determining materials required for proposed hardscape.
- Material quantity math.
 - Calculating plan linear dimensions.
 - Calculating perimeter dimensions.
 - Calculating area measurements.
 - Calculating volume measurements.
- Survey instrument operation.
 - Setting up instrument.
 - Locating benchmark.
 - Taking foresites and setting elevation stakes.
- Grading a site for drainage.
 - Identifying topography for site.

- Recognizing site areas that require cut or fill.
- Paver installation.
 - Outlining the steps for paver installation.
 - Demonstrating the procedure for preparing paver base.
 - Demonstrating the procedure for installing pavers.
- Equipment operation.
 - Describe appropriate equipment for a job.
 - Describe use of equipment to prepare a site.
 - Demonstrate use of equipment to install a project.

Lab Content

Not applicable.

Special Facilities and/or Equipment

- Classroom with multi-media equipment.
- Outdoor area with open space to view equipment operation.
- Horticulture equipment and vehicles.

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

- Objective written exams.
- Descriptions of field practices.
- Written reports on horticultural topics.

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

- Lecture from instructor.
- Lecture from guest speakers.
- Observe participatory demonstrations.
- Discussion with groups and students in class.

Representative Text(s) and Other Materials

[Landscape Training Manual for Installation](#), Professional Landcare Network (PLANET), 2017.

Study manual required for training courses.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

- Reading 10-25 pages per week from assigned text.
- Reading handouts and website material.
- Web and library research.
- Writing specifications for hardscape installation.

Discipline(s)

Ornamental Horticulture