

# HORT 90H: LANDSCAPE LIGHTING

## Foothill College Course Outline of Record

| Heading                 | Value   |
|-------------------------|---|
| Effective Term:         | Summer 2021                                   |
| Units:                  | 1   |
| Hours:                  | 12 lecture per quarter (12 total per quarter) |
| Degree & Credit Status: | Degree-Applicable Credit Course               |
| Foothill GE:            | Non-GE  |
| Transferable:           | CSU   |
| Grade Type:             | Letter Grade (Request for Pass/No Pass)       |
| Repeatability:          | Not Repeatable                                |

## Student Learning Outcomes

- Demonstrate practical knowledge of lighting and electrical equipment.
- Compare and contrast different lighting systems.

## Description

Basic theory, design, and installation techniques for lighting residential landscapes. The effective use of conventional and low-voltage lighting for improving landscape aesthetics and the functional use of outdoor spaces.

## Course Objectives

The student will be able to:

- Understand landscape lighting theory and design
- Describe landscape lighting equipment
- Demonstrate safety in lighting installation
- Prepare a plan for maintaining a landscape lighting system

## Course Content

- Landscape lighting
  - Theory (aesthetics and function)
  - Design (lighting soft and hard-scape features)
  - Installation
  - Lighting for culturally diverse settings
- Lighting equipment and materials
  - Sources
  - Low voltage vs. 110/120 systems
- Safety issues
- Methods and techniques for installing and maintaining lighting systems

## Lab Content

Not applicable.

## Special Facilities and/or Equipment

- Horticultural laboratory, construction field lab, and related horticultural facilities and equipment.

- Students provide work boots, leather gloves, and clothing for field work.

## Method(s) of Evaluation

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

- Lighting skills project
- Installation of a lighting demonstration

## Method(s) of Instruction

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

- Lecture
- Demonstrations
- Discussions

## Representative Text(s) and Other Materials

Moyer, Janet Lennox. [The Landscape Lighting Book](#). 2013.

Raine, John. [Garden Lighting](#). 2005.

These books are seminal pieces of literature and still contain valid material.

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

- Reading assignments will include reading approximately 30 pages per week from the assigned text.
- There are no writing assignments for this course.

## Discipline(s)

Ornamental Horticulture