

Las Positas College
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Course Outline for HORT 57

LANDSCAPE AND TURFGRASS MGMT

Effective: Fall

I. CATALOG DESCRIPTION:

HORT 57 — LANDSCAPE AND TURFGRASS MGMT — 2.00 units

Principles and practices of landscape and turfgrass management as practiced by horticultural professionals, landscape contractors, and grounds keepers. Preparation, planting, irrigation, fertilization, pruning, and pest control of landscape developments for residential, commercial, public grounds, golf courses, and gardens.

1.50 Units Lecture 0.50 Units Lab

Grading Methods:

Letter or P/NP

Discipline:

	<u>MIN</u>
Lecture Hours:	27.00
Lab Hours:	27.00
Total Hours:	54.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: 1

III. PREREQUISITE AND/OR ADVISORY SKILLS:

IV. MEASURABLE OBJECTIVES:

Upon completion of this course, the student should be able to:

1. properly schedule and perform basic landscape maintenance tasks such as mowing, edging lawns; irrigation system adjustment and monitoring; selection and application of fertilizers; pruning of small trees, shrubs and vines; selection and application of pest control materials; and operating various types of landscape maintenance equipment and tools;
2. demonstrate knowledge and understanding of licensing laws and regulations pertaining to landscape contracting and maintenance;
3. establish a small landscape and turfgrass maintenance operation and business.

V. CONTENT:

- A. The landscape maintenance industry
 1. state laws and regulations
 2. employment opportunities
 3. starting a small business
 4. operating a profitable business
 5. contracts and specifications
- B. Landscape maintenance procedures and practices
 1. scheduling work
 2. work force and equipment requirements
 3. performing quality work
 4. turfgrass maintenance
 5. tree and shrub maintenance
 6. ground cover maintenance
- C. Developing new business accounts/clients
 1. locating work and prospective clients
 2. client contact and representation
 3. process of obtaining new contracts
 4. cost estimating and bidding
- D. Irrigation systems
 1. monitoring and seasonal scheduling
 2. controller, valve, and nozzle adjustments
 3. troubleshooting
 4. repairs
 5. cost estimating and repair fees
- E. Fertilization
 1. fertilization scheduling for trees, shrubs, ground covers, and turfgrasses
 2. fertilizer grades, types, brands
 3. application rates and methods

- 4. cost estimating
- F. Pruning
 - 1. basic pruning techniques for trees, shrubs, vines, and ground covers
 - 2. pruning tools, equipment and use
 - 3. cost estimating and bidding
- G. Pest control
 - 1. pest control in relation to landscape maintenance contracts
 - 2. insect and disease control considerations for the landscape maintenance contractor
 - 3. weed control relating to landscape maintenance
 - 4. herbicide application and scheduling
- H. Equipment and tools
 - 1. required equipment and tools to perform work
 - 2. equipment operation and maintenance
 - 3. safety
- I. Turfgrass
 - 1. turfgrass classification, species, varieties, and use
 - 2. selection of proper turfgrasses
 - 3. soil preparation, planting, and establishment
 - 4. cultural practices and lawn improvement techniques

VI. METHODS OF INSTRUCTION:

- A. **Lecture** -
- B. **Discussion** -
- C. **Demonstration** -
- D. Handout materials
- E. **Field Trips** -
- F. **Guest Lecturers** -
- G. Media presentation

VII. TYPICAL ASSIGNMENTS:

VIII. EVALUATION:

- A. **Methods**
 - 1. Exams/Tests
- B. **Frequency**

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IX. TYPICAL TEXTS:

X. OTHER MATERIALS REQUIRED OF STUDENTS: