

Las Positas College
3000 Campus Hill Drive
Livermore, CA 94551-7650
(925) 424-1000
(925) 443-0742 (Fax)

Course Outline for HORT 55

GREENHOUSE, NURSERY, AND GARDEN CENTER MANAGEMENT

Effective: Fall 2018

I. CATALOG DESCRIPTION:

HORT 55 — GREENHOUSE, NURSERY, AND GARDEN CENTER MANAGEMENT — 3.00 units

Explores many horticulture specializations including management and operations of retail and wholesale nurseries, greenhouse growers, specialized growers of trees, shrubs, flowers, hydroponics growers, vegetable growers. Emphasis on plant propagation, propagation structures, greenhouses, nursery and garden center management and operations. Employment opportunities are in the wholesale and retail horticulture industry.

2.50 Units Lecture 0.50 Units Lab

Grading Methods:

Letter or P/NP

Discipline:

- Ornamental Horticulture

	<u>MIN</u>
Lecture Hours:	45.00
Lab Hours:	27.00
Total Hours:	72.00

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:

- Operate a horticultural facility to maintain garden and landscape plants.
- Evaluate and implement sound business practices used in wholesale and retail horticultural businesses.
- Implement plant propagation protocols and raise plants to a marketable size.
- Design and implement an Integrated Pest Management Program for a wholesale or retail horticultural business.
- Design and supervise construction of greenhouses, shadehouses and other facilities used in horticultural businesses.

V. CONTENT:

- Operational principles of greenhouses, wholesale and retail nurseries, and garden centers.
- Management of horticultural businesses, including: sales, marketing, operating costs and profitability, and developing a business plan.
- Plant propagation and production.
- Plant pest management
- Design and construction of greenhouses, shade structures, and related growing facilities.

VI. METHODS OF INSTRUCTION:

- Lecture** -
- Discussion** -
- Demonstration** -
- Field Trips** - 1. Nurseries 2. Growers 3. Greenhouse operations and botanical gardens
- Resource speakers: 1. Management 2. Owner-operators from various areas within the horticulture industry
- Media presentation

VII. TYPICAL ASSIGNMENTS:

- Weekly reading assignments in text.
- Field trips to specified locations.
- Hands-on field practice.
- Laboratory and field projects.

VIII. EVALUATION:

A. **Methods**

- Exams/Tests
- Quizzes

3. Projects
4. Field Trips
5. Class Participation
6. Lab Activities

B. Frequency

1. Written exams at the middle and end of the semester.
2. Quizzes, projects, and field trips at instructor's discretion.
3. Required reports.
4. Daily class participation
5. Weekly lab activities

IX. TYPICAL TEXTS:

1. Hartman, Hudson. *Plant Propagation*. 8th ed., Prentice Hall, 2010.
2. Cloyd, Raymond. *Greenhouse Pest Management*. first ed., CRC Press, 2016.
3. Resh, Howard. *Hydroponics for the Home Grower*. first ed., CRC Press, 2015.

X. OTHER MATERIALS REQUIRED OF STUDENTS: