

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

Course Outline for HORT 52

SPRING PLANT MATERIAL ID

Effective: Fall 2009

I. CATALOG DESCRIPTION:

HORT 52 — SPRING PLANT MATERIAL ID — 3.00 units

Identification, landscape and garden use, growth habit, climatic adaptation, ornamental value, maintenance and care of vines, ground covers, flowers, shrublike plants and flowering trees, adapted to the northern and coastal valleys of California.

2.00 Units Lecture 1.00 Units Lab

Prerequisite

HORT 50 - Introduction to Horticulture
with a minimum grade of C

Grading Methods:

Letter or P/NP

Discipline:

	<u>MIN</u>
Lecture Hours:	36.00
Lab Hours:	54.00
Total Hours:	90.00

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

III. PREREQUISITE AND/OR ADVISORY SKILLS:

Before entering the course a student should be able to:

A. HORT50

IV. MEASURABLE OBJECTIVES:

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

- A. identify and name 150 different species of plants to include vines, ground covers, flowers, shrub-like plants and flowering trees;
- B. determine landscape use and ornamental value of the plants reviewed in this course;
- C. be familiar with propagation, growth, ecology, maintenance, and care of plants reviewed in this course;
- D. apply information discussed in this course for use in landscape planning and design.

V. CONTENT:

- A. Identification techniques and methods for identifying vines, ground covers, flowers, shrub-like plants, and flowering trees
- B. Landscape and garden use and value
- C. Botanical and common names of plants
- D. Variety and cultivar names of plants
- E. Species longevity, growth habit, and origin
- F. Physical and aesthetic characteristics of plants, including leaves flowers, fruit, etc.
- G. Climatic adaptation, temperature tolerances
- H. Mature height, spread, and growth rate
- I. Soil adaptation, water requirements, and fertilization requirements
- J. Maintenance, care, and pruning
- K. Propagation methods
- L. Pests, diseases, and their control

VI. METHODS OF INSTRUCTION:

- A. **Lecture** -
- B. **Discussion** -
- C. Live specimens
- D. Media presentations and examples
- E. **Field Trips** - field study of mature plants as used in landscape

VII. TYPICAL ASSIGNMENTS:

- A. Weekly four hour field study to identify and study plants. B. Develop plant reference cards on each plant studied. C.

Organize into student study groups to go out into the field to review plants covered in class. D. Prepare photo file of all plant species covered.

VIII. EVALUATION:

A. **Methods**

1. Other:

- a. Field, plant identification written exams 1½ hour each. Consists of instructor and students walking through landscape areas. Instructor points to a specific plant. Students must then identify, name and spell botanic name of plant correctly.
- b. Classroom written exams. These exams should cover information about plants, which have been discussed in the field. Exam questions should focus on physical characteristics landscape site suitability, size, form, flower, fruit, sun, shade, adaptability, etc
- c. Final Exam

B. **Frequency**

1. Three field plant identification exams.
2. Two classroom mid-term written exams.
3. One final written exam at the end of the course

IX. TYPICAL TEXTS:

1. - *Sunset Western Garden Book.*, Sunset Publishing, 2000.
2. - *Taylor's Guide to Ground Covers.* 1st ed., -, 0.
3. - *Taylor's Guide to Vines.* 1st ed., -, 0.
4. Plant materials data base and plant species lists provided by instructor
5. Plant identification cards

X. OTHER MATERIALS REQUIRED OF STUDENTS: