

HORTICULTURE (HORT)

HORT-109 Landscape Design **3 Units (LEC 48-54)**

This course introduces the history and fundamentals of landscape design. The student will learn site evaluation, design methods, elements of texture, form and color, selection of landscape material and the functional and aesthetic use of plants. Field trips may be required.

Transfers to both UC/CSU

HORT-299 Special Projects: Turf and Landscape Management **0.5-3 Units (IS 8-54)**

Students with previous course work in the program may do special projects that involve research and special study. The actual nature of the project must be determined in consultation with the supervising instructor.

Prerequisite: Two Turf and Landscape Management classes must be completed prior to enrollment; a contract must be completed with the instructor prior to enrollment.

Transfers to CSU only

HORT-501 Horticulture Science (formerly HORT-101) **3 Units (LEC 48-54)**

This course introduces the horticulture industry. Topics include fundamental skills used in the horticulture industry, cultivation of plant varieties, methods, knowledge and techniques used in commercial and residential landscaping, golf course management, plant nurseries, and maintenance for urban gardeners. Field trips may be required. (formerly HORT 101)

Transfers to CSU only

HORT-502 Introduction to Turfgrass Management (formerly HORT-102) **3 Units (LEC 48-54)**

This course presents basic methods and materials used in the maintenance of turf grass. Topics include major factors in turf grass management including turf grass establishment, weed identification and control, turf grass pests, fertilization, irrigation, mowing procedures and scheduling. Field trips may be required. (formerly HORT 102)

Transfers to CSU only

HORT-503 Advanced Turfgrass Management (formerly HORT-103) **3 Units (LEC 48-54)**

This course is designed to give the student in depth study in the specialization of large turf landscape sites such as golf courses and athletic field management. Topics include the most up to date methods used in the maintenance of turf grass for golf courses and sports fields and large turf areas. It examines construction, budgeting, staffing, and equipment. Field Trips may be required. (formerly HORT 103)

Prerequisite: HORT-502 (with a grade of C or better).

Transfers to CSU only

HORT-504 Soil Science and Management (formerly HORT-104) **3 Units (LAB 48-54, LEC 32-36)**

This course is designed to present principles of soil and water conservation, land use, soil fertility and the physical and chemical relationships that govern soil reactions and interactions. Emphasis is given to management of various soil types; pH, salinity, texture, organic matter, and control. The lab will cover applied procedures, testing, and nutritional management of landscape and horticultural settings. For this course, field trips may be required. (formerly HORT 104)

Recommended Preparation: HORT-501.

Transfers to CSU only

HORT-505 Golf Course/Landscape Irrigation (formerly HORT-105) **3 Units (LEC 48-54)**

This course is an introduction to fundamental irrigation principles and practices for turfgrass and other horticultural areas. The student will learn to read and interpret an irrigation blue print, calculate evapo-transpiration rate, perform a water audit, design an irrigation schedule, program an irrigation controller, troubleshoot and repair basic irrigation problems, and calculate precipitation rates. Field trips may be required. (formerly HORT 105)

Transfers to CSU only

HORT-506 Pesticide Law & Regulations - Turf & Landscape (formerly HORT-106) **3 Units (LEC 48-54)**

This course covers pesticide law and regulations. Course content includes pesticide, safety and enforcement regulations pertaining to the turf and landscape manager. Prepares students to take the Department of Pesticide Regulations "Laws and Regulations" exams, as well as categorize application areas exams. For this course, field trips may be required. (formerly HORT 106)

Transfers to CSU only

HORT-507 Arboriculture (formerly HORT-107) **3 Units (LAB 48-54, LEC 32-36)**

This course includes care and management of ornamental trees, pruning techniques, fruit tree care, bracing, cabling, and pest control. Also included are safe practices in the use of equipment, including the use of ropes, chippers, boom trucks, chain saws, and identification and evaluation of common trees. This course prepares students for the tree worker and arborist certification exams. For this course, field trips may be required. (formerly HORT 107)

Transfers to CSU only

HORT-510 Laws and Regulations, an Integrated Pest Management Approach (formerly HORT-110) **3 Units (LEC 48-54)**

This course focuses on laws and regulations as applied to common agricultural pests in Southern California and analyzes physical, biological and chemical pest control principles and practices. Field trips may be required. (formerly HORT 110)

Transfers to CSU only

**HORT-549 Work Experience Education: Turf and Landscape
Management
0.5-8 Units WEE 24-432**

This experiential learning course places students in supervised internships related to their academic major or career interests. Through hands-on work experience, students will build upon classroom-based learning and develop transferable skills. Internship work sites must be approved by the college prior to enrollment.

Other Enrollment Criteria: Each student must be enrolled for the full semester and have completed one course in the discipline. Students must also complete a WEE Orientation and Training Plan (Agreement) prior to registration. Please refer to the Work Experience Student Handbook for specific information.

**Transfers to CSU only
Offered as Pass/No Pass Only**