

HORTICULTURE (HORT)

HORT A100 3 Units (54 lecture hours)

Horticulture Science

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU.

The science and culture of plants upon which man's very existence depends. The principles and practices used to grow plants for food and environmental enhancement will be emphasized. May be taken for grades or on a pass-no pass basis.

HORT A101 1-4 Units (18-72 lecture hours)

Current Topics in Horticulture

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU.

Current issues in the field of Ornamental Horticulture. May be taken for grades or on a pass-no pass basis. Formerly Ornamental Horticulture A101.

HORT A105 3 Units (54 lecture hours)

Botany for Gardeners

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU.

The world of garden plants, their structure, form and how they function. A course for the plant professional and plant enthusiasts. May be taken for grades or on a pass-no pass basis.

HORT A109 3 Units (54 lecture hours)

Knowing Your Soils

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU.

A nontechnical study of the fundamental concepts of soil science. Methods of investigations for the managements of soils and soil substitutes. May be taken for grades or on a pass-no pass basis.

HORT A111 1 Unit (9 lecture hours; 18 lab hours)

Landscape Drafting Techniques

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU.

Basic landscape drafting practices, lettering, line work, symbols, sheet composition and dimensioning. May be taken for grades or on a pass-no pass basis.

HORT A115 3 Units (18 lecture hours; 108 lab hours)

Landscape Graphics

Grading Mode: Standard Letter, Pass/No Pass

This course begins exploring drawing techniques necessary to perform tasks related to communicating design concepts in landscape design. The emphasis is on easy, time-saving techniques that build from understanding perspective to rapid sketching skills. Field sketching is also a vital communication skill in environmental design, as it enables designers to quickly record ideas whether simply for their own use, or to share with a client to gather early feedback on usability, form, and aesthetic. Using both indoor and outdoor venues around the campus, students will learn to communicate their thoughts visually and integrate their sketching into the design process.

HORT A116 3 Units (18 lecture hours; 108 lab hours)

Digital Design

Grading Mode: Standard Letter, Pass/No Pass

This course provides an introduction to digital techniques while explaining the processes associated with describing and designing the landscape. In addition, this course guides the student through from their first impression of a site, through concept and schematic design and presentation to construction and site drawings, concluding with a case study that shows the final result. The designer needs to know about digital tools and use them at the various stages of a concept development. In the journey from concept to realization, it is important to have the right tools and methods of representation and use them in an intelligent and skillful way.

HORT A150 3 Units (54 lecture hours)

Landscape Maintenance

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU.

Maintenance of residential and small commercial landscapes to include: small tree and shrub trimming, all aspects of lawn care, soil amending, fertilizing, sprinkler adjustments, watering, pest inspections, and scheduling. May be taken for grades or on a pass-no pass basis.

HORT A151 2 Units (36 lecture hours)

Introduction to Tree Care

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU.

An introduction to the many aspects of tree care. May be taken for grades or on a pass-no pass basis.

HORT A170 1 Unit (18 lecture hours)

Pest Control Applicators and Gardeners P.C.O. Certification

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU.

Preparation for California Certification Exam as Pesticide Applicator and Gardeners Maintenance Pest Control Operators. Emphasis on safe use of pesticides, alternative pest management. Ornamental, turf grass, industrial, right-of-way and seed treatment control. May be taken for grades or on a pass-no pass basis.

HORT A181 3 Units (36 lecture hours; 54 lab hours)

Ornamental Trees

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU; UC.

Identification, habits of growth, culture, propagation, and use of ornamental trees in landscape design for Southern California. May be taken for grades or on a pass-no pass basis.

HORT A182 3 Units (36 lecture hours; 54 lab hours)

Ornamental Shrubs

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU; UC.

Habits of growth, culture, propagation, and use in landscape design for Southern California. Identification will be emphasized. May be taken for grades or on a pass-no pass basis.

HORT A183 **3 Units (36 lecture hours; 54 lab hours)**
Plant Propagation
Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU; UC.

Principles and practice of propagation of horticultural plants. Propagation from seed, cuttings, layering, and grafting. May be taken for grades or on a pass-no pass basis.

HORT A184 **3 Units (36 lecture hours; 54 lab hours)**
Greenhouse and Nursery Science
Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

A survey of the nursery industry. Nursery structures and equipment, construction, operation and use in the production of commercial crops. Cultural aspects of crop production. May be taken for grades or on a pass/no pass basis.

HORT A185 **1.5 Units (27 lecture hours)**
Plant Diseases
Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

Common diseases of plants, emphasis on ornamentals grown in Southern California. Their symptoms and control of salinity, air pollutants, fungi, bacteria, virus, nematodes and other causal agents of plant diseases. May be taken for grades or on a pass-no pass basis.

HORT A186 **1.5 Units (18 lecture hours; 27 lab hours)**
Pests of Ornamentals
Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

Common mite, insect, and other animal pests of ornamental plants and common weeds of Southern California are described and identified and ways to prevent and treat infestations are discussed. May be taken for grades or on a pass-no pass basis.

HORT A187 **2 Units (36 lecture hours)**
Interior Plantscaping
Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

Identification, selection, installation, care and maintenance of plants for interior situations. May be taken for grades or on a pass-no pass basis.

HORT A189 **1.5 Units (18 lecture hours; 27 lab hours)**
Weeds and Their Control
Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

Recognition of landscape control of weeds in the landscape and in nurseries with emphasis on practical applications. May be taken for grades or on a pass-no pass basis.

HORT A190 **2 Units (36 lecture hours)**
California Friendly Landscape
Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

Developing new and retrofitting existing landscapes with California friendly plant material. May be taken for grades or on a pass-no pass basis.

HORT A191 **1.5 Units (27 lecture hours)**
Cacti and Succulents
Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

How to use the plants from the deserts of the world in the Southern California landscape. Identification, growth habits, culture, propagation, design considerations, and conservation. May be taken for grades or on a pass-no pass basis.

HORT A192 **1 Unit (18 lecture hours)**
Urban Container Planting
Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

Container gardening knowledge is in high demand, particularly in urban settings. Container gardening requires specialized knowledge to achieve quality results. Learn the basics for planting and maintaining a healthy outdoor and indoor container garden: materials and styles of containers, customized potting mixes, fertilization, pests and watering requirements.

HORT A200 **3 Units (54 lecture hours)**
Chronicles of Garden Design through the Ages
Grading Mode: Standard Letter, Pass/No Pass

This introduction course is a historical survey of the development of designed landscapes from ancient times through the 21st century. The course will emphasize the cultural, social, and economic contexts that have shaped and informed historic landscapes, broadly defined, and the influence of environmental concerns, horticultural techniques, and technological innovations.

HORT A230 **2 Units (36 lecture hours)**
Calculations for Horticulture and Landscape Professionals
Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

An applied calculations course geared for Landscape, Horticulture and Construction students. This course is necessary to effectively, safely, and economically manage a Landscape Construction operation. Examples of what a student will learn: determining area and volume, application of fertilizers, pesticides, and growth regulators, preparing design and installation cost estimates. Students will develop confidence when they perform the common mathematical tasks required of green industry professionals.

HORT A231 **2 Units (36 lecture hours)**
Business of Landscape Design and Construction
Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU

This course examines aspects of landscape design and construction practice for professional services, the legal and financial contexts in which it operates, and the documentation and delivery of projects. This course introduces students to the legal and contractual issues, technical specification, financial, project management, starting and managing a business and preparing for the C-27 licensing.

HORT A283 **2 Units (36 lecture hours)**
Therapeutic Gardens: Design for Healing Spaces

Grading Mode: Standard Letter
 This course will introduce and broadly explore how Therapeutic Gardens and the field of Horticultural Therapy incorporates the use of plants and gardening activities to promote health and wellness for people of many ages, backgrounds, and abilities. Topics will include people/plant relationship theories, horticultural therapy as a specialized field, Therapeutic Gardens and their use, and the societal impacts of Horticultural Therapy and research that supports it. Transfer Status: CSU.

HORT A284 **1.5 Units (9 lecture hours; 54 lab hours)**
Portfolio Development

Grading Mode: Standard Letter, Pass/No Pass
 This course provides the strategy, skills, and techniques necessary for constructing a professional portfolio and provides students with an opportunity to understand the full potential of the portfolio within the profession.

HORT A285 **3 Units (36 lecture hours; 54 lab hours)**
Introduction to Landscape Design

Advisory: HORT A111 or concurrent enrollment.

Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU; UC.

Landscape design, circulation, form, materials, scale. Preparation of landscape design plans. May be taken for grades or on a pass-no pass basis.

HORT A286 **2 Units (36 lecture hours)**
Landscape Design Elements

Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

Design of basic garden elements (i.e. walls, arbors, pools, steps, fences). Reviews construction materials and their inherent qualities. Preparation of construction drawings. May be taken for grades or on a pass-no pass basis.

HORT A287 **2 Units (36 lecture hours)**
Planting Design

Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

Design and preparation of landscape planting plans. Emphasis on ecological and aesthetic considerations. May be taken for grades or on a pass-no pass basis.

HORT A288 **2 Units (36 lecture hours)**
Sprinkler Irrigation Systems Design
Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

How to design irrigation sprinkler systems for small areas, such as residential properties and small industrial sites. May be taken for grades or on a pass-no pass basis.

HORT A289 **1 Unit (9 lecture hours; 18 lab hours)**
Installation of Residential Irrigation Systems

Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

A hands-on experience with the installation of a residential irrigation system to include: materials lists, layout, trenching, gluing and fitting lines, sprinklers and nozzles, valve manifolds, and clocks. Emphasis on planning, layout, and time saving practical methods. To include one Saturday installation. May be taken for grades or on a pass-no pass basis.

HORT A290 **1.5 Units (27 lecture hours)**
Low-Voltage Landscape Lighting

Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

An interactive, hands-on LED landscape lighting course for those seeking to increase their knowledge and installation of low-voltage (12 volt) LED landscape lighting. This course provides detailed instruction and hands-on training across a range of topics to sharpen your skills and become proficient in this field. The design and installation of an actual LED lighting system including best practices for how to layout the lighting design and an explanation of fixture placement.

HORT A296 **3 Units (54 lecture hours)**
Grading and Drainage for Landscape Design

Grading Mode: Standard Letter, Pass/No Pass
Transfer Credit: CSU.

This course covers the basic grading and drainage techniques used in every landscape architecture project. Students learn the skills necessary to grade a site of moderate complexity while considering public health, safety, and welfare. Includes the design and installation of drainage elements per site requirements. Introduces tools and methods for grading landscape sites based on design documents and field measurements. Basic grading formulas and cut and fill calculations are presented.

HORT A297 **2 Units (36 lecture hours)**
Garden Pools, Fountains and Waterfalls in the Landscape

Grading Mode: Standard Letter, Pass/No Pass

Design and installation of landscape water features including ponds, garden streams, fountains and container water gardens. Students learn current construction techniques through an on-site installation.