

Horticulture Certificate Curriculum Sequence

Students Can Begin the Program at Any Time

Designed for aspiring horticulturists and for professionals currently working in the landscape industry, the Horticulture Certificate provides the science-based curriculum sought by current industry employers.

The certificate provides a comprehensive approach to horticulture, teaching proper plant care, how to think strategically and holistically in any environment, and how to be successful and competitive within the industry.

Certificate Designed For

- Landscape Professionals
- Master Gardeners
- Industry Professionals
- Garden Designers
- Landscape Contractors

Curriculum

The curriculum consists of 6 core courses and 4 units of program-approved electives. Students are able to finish the certificate in as little as one year. Enroll in courses individually or as part of the certificate.

Core

Spring	Summer	Fall	Winter
General Botany for Gardeners (4 units) Introduction to Irrigation Practices (4 units)	Plant Materials for Landscape Use (4 units)	Horticultural Pest Management (4 units)	Soils and Plant Nutrition (4 units) Plant Taxonomy and Identification (2 units)

* 4 elective units or a program approved internship must be completed before the certificate is awarded.

For More Information

(310) 825-9414 | horticulture.uclaextension.edu



The Study of Trees

With trees being the largest and often longest-living elements of our outdoor environment, proper tree selection and management are important to maximize the environmental, social, and economic benefits they offer.

If you are passionate about these majestic and often misunderstood giants of our urban landscapes, sign up today and find out how to be a good tree steward and advocate.

Core course in the *Arboriculture Specialization*

Page 115.

For More Information

horticulture@uclaextension.edu | (310) 825-9414

Horticulture & Gardening

Enrollment is open to anyone interested in learning the science of horticulture or the common techniques to successful gardening.

For Horticulture Certificate information visit horticulture.uclaextension.edu.

BIOLGY 751

Horticulture & Gardening Open House

Interested in taking your passion and turning it into a career? The Horticulture & Gardening program offers a wide range of programs and courses to get you on your way. Whether you are looking for a new career path or desire the knowledge to care for your own landscape more efficiently, we have the course for you. This free information session covers program certificate curriculum, specializations, individual courses, schedules, and fees associated with taking this new "green" path. Led by the program director, former students, and a current instructor, we've got the answers to all your questions. We will raffle off a free class and offer discounts on select courses for NEW program students who attend this open house.

Reg# 377893

Fee: \$0

No refund after 6 Feb.

Online

1 mtg

Saturday, 9:30-11am, Feb. 6

Free Program Information Session!

Live Zoom presentation.

Stephanie Landregan, BA, landscape architect (CA 4093)

BIOLGY X 493.2

Soils and Plant Nutrition

4.0 units

This introductory course covers the physical, biological, and chemical properties of soils, as well as basic plant nutrition and fertilization. Soil conditions that affect plant-soil-air-water relations are discussed, including the effects of soil compaction and drainage. Other topics include the texture, structure, and classification of soils, the use of soil amendments to improve soils, and the properties and applications of fertilizers.

Prerequisite(s): Recommended but not required for enrollment: BIOLGY X 496.2 General Botany for Gardeners or BIOLGY X 494 Introduction to Horticulture.

Reg# 377950

Fee: \$625

No refund after 12 Jan.

Remote Instruction

11 mtgs

Wednesday, 6:30-9:30pm, Jan. 6-Mar. 17

Gretchen Renshaw, BS in ornamental horticulture from Cal Poly, San Luis Obispo, horticulturist, horticulture teacher, and director of Manhattan Beach Botanical Garden



Gardening Specialization

Take your love of plants to the next level with the Gardening Specialization. Designed for gardening enthusiasts, students will learn the fundamentals of gardening via lecture, hands on practice, and field trips to unique garden destinations in and around the Los Angeles area. Individuals who desire the knowledge to successfully grow and maintain plants should sign up today.

Required Courses

Fall	Winter	Spring	Summer
Introduction to Horticulture	Soils and Plant Nutrition	Introduction to Horticulture Introduction to Irrigation Practices	Gardening Practices and Techniques

All courses are open enrollment, students can start the program any quarter. Courses begin on page 117.

For More Information

Visit horticulture.uclaextension.edu or call the Horticulture & Gardening program office at (310) 825-9414.

Horticulture Electives

Some Landscape Architecture courses count toward elective requirements in the Horticulture Certificate.

To view Landscape Architecture courses visit page 111.

BIOLGY X 424.41

Plant Taxonomy and Identification

2.0 units

This course introduces students to the tools needed for navigating and identifying the diverse kingdom of plants. Topics include: scientific classification and naming, differences between major plant groups, terminology for describing plant anatomy, characteristics of common flowering plant families, and use of identification tools such as keys.

Reg# 377947

Fee: \$445

No refund after 10 Jan.



Online

Jan. 4-Feb. 8

Valerie Wong, PhD, plant and microbial biology. Dr. Wong earned a bachelor's degree in biochemistry from Wellesley College, and her most recent research investigates microbes living inside plants and lichens of the subarctic, through work with the University of Minnesota.

BIOLGY X 492.67

The Study of Trees

4.0 units

With trees being the largest and often longest-living elements of our outdoor environment, proper tree selection and management are important to maximize the environmental, social, and economic benefits they offer. This class features a combination of lectures, discussions, research, and field trips designed for those who desire a basic understanding of tree care—both ornamental and fruit-bearing. Students will learn theoretical and practical concepts of tree selection; establishment, management, and preservation of trees in a landscape environment; and professional standards in the proper selection, planting, pruning, and training of trees.

Prerequisite(s): BIOLGY X 496.2 General Botany for Gardeners (preferred) or BIOLGY X 494 Introduction to Horticulture, or approval of program office.

Reg# 377948

Fee: \$625

No refund after 13 Jan.



Remote Instruction

11 mtgs

Thursday, 6:30-9:30pm,

Jan. 7-Mar. 18

Darlene Pickell, ISA Certified Arborist #WE-3769A, has 30+ years retail nursery management. She currently works part-time at Marina del Rey Garden Center, volunteers at the Los Angeles County Arboretum, and serves on the Horticulture & Gardening Program Advisory Board.

Online Courses

You can earn continuing education or academic credit from UCLA Extension—anytime, anywhere. Simply take a UCLA Extension online course.

To find online courses, look for this icon:

Like our classroom courses, UCLA Extension online courses let you advance your professional development, work toward a certificate, acquire skills needed for a career change, or simply explore your creative side.

For more information about online study see page 5.

BIOLGY X 465.33

Indoor Plants: Care and Maintenance

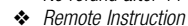
4.0 units

Plants add color, texture, and warmth to indoor spaces. They improve air quality and add a natural and living element to a room's design. Whether you are looking to expand your indoor plant collection, just getting started with your first plant, or looking for answers to your many plant problems, this course focuses on the fundamental aspects of growing plants indoors. Instruction includes properly identifying fifty plants that do well in an indoor environment and their specific cultural requirements. The course of study will also cover understanding indoor environments, which is fundamental when choosing plants that will have the most success. This course will cover common indoor plant pests, diseases, watering techniques, artificial and natural lighting, humidity, temperature, etc.

Reg# 378110

Fee: \$625

No refund after 11 Jan.



Remote Instruction

11 mtgs

Tuesday, 6:30-9:30pm,

Jan. 5-Mar. 16

Instructor to be announced



Indoor Plant Care

Growing plants in an indoor space can create a beautiful and healthy living environment. Successfully caring for these plants is an art and a science. Learn the fundamentals of successful indoor plant care. Topics include: introduction to 50+ plants, proper light, water and temperature requirements, soil, diseases and pests, and so much more.

Page 115.

For More Information

horticulture@uclaextension.edu | 310-825-9414

Course Icons Provide Information At-a-Glance



ONLINE COURSE

Technical requirements, page 5.



HYBRID COURSE, page 5.



WEB-ENHANCED COURSE, page 5.



REMOTE INSTRUCTION, page 5.



TEXTBOOK REQUIRED

Visit our website for textbook information.



UC CREDIT

May be transferable to other colleges and universities, page 6.