

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
- 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. Students do not need to be enrolled in the certificate to take individual courses.

Core

Offered This Quarter

Spring	Summer	Fall	Winter
General Botany for Gardeners (4 units) Irrigation and Water Management (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 certificate is awarded.

For More Information

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

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 X 496.2 General Botany for Gardeners

4.0 units
This course provides a general introduction to the study of plant structures and functions, emphasizing these aspects as they relate to the natural survival and cultivation of plants. Topics include types and functions of leaves, stems, flowers, and fruits; plant-water relations; basic genetics; ecological tolerances; and an introduction to plant names and groupings. Many of the topics include ample hands-on experience with plants.

Reg# 363073
Fee: \$625

- Hybrid
- 8 mtgs
- Classroom meetings
Monday, 6:30-9:30pm, Sept. 24; Oct. 8;
Oct. 29-Nov. 5; Dec. 3
- UCLA: Botany
- Online session
Oct. 1 & 22; Nov. 19
- Sunday, 9am-12pm, Oct. 14; Nov. 18
- Saturday, 9am-12pm, Dec. 1

Core course in Horticulture Certificate.
Visitors not permitted. No refund after Sept. 30. 🌐 📖

Valerie Wong, PhD, Plant and Microbial Biology. Ms. 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 498.2 Horticultural Pest Management

4.0 units
This course covers the identification and management of common garden insects, diseases, and weeds. Topics include integrated pest management (IPM) and biological and other non-chemical methods of control, as well as information on available chemicals and safety programs required for their uses.

Reg# 363074
Fee: \$625
• Classroom
10 mtgs
Wednesday, 7-10pm, Sept. 26-Dec. 5
UCLA: Rolfe Hall

No meeting Nov. 21.
Core course in Horticulture Certificate. One weekend class meeting to be arranged.

Visitors not permitted. No refund after Oct. 2. 🌐
Gretchen Renshaw, BS Ornamental Horticulture from Cal Poly San Luis Obispo, horticulturist, horticulture teacher, and director of Manhattan Beach Botanical Garden



Building a Garden Ecology

With California Natives

Looking to remove your lawn and replace it with a beautifully designed low-water and low-maintenance landscape? This course can provide you the knowledge and skills to do just that.

California native plants are beautiful and many are drought tolerant. Learn how to add them to your landscape and save time and money.

- Topics include:
- Lawn removal
 - Landscape design
 - Irrigation design and installation
 - Planting and mulching

This course takes place in a classroom and at a residential home where the class as a whole will work to transform a lawn into a beautiful garden using California natives.

Page 134.

For More Information

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

Gardening Specialization

Take your love of plants to the next level with the new 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

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

All courses are open enrollment, students can start the program any quarter. Courses begin on page 133.

For More Information

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

Urban Food Production

Interested in growing your own food?

Urban Food Production is a hands-on course where students can develop skills to successfully grow their own food. The class will cover growing fruit trees, vegetables, berries, and often overlooked food-producing perennials. Common garden pests and soil issues associated with vegetable gardening will also be covered.

Reap what you sow!

Page 134.

For More Information







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

Horticulture Electives

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

To view Landscape Architecture courses visit page 129.

Course Icons Provide Information At-a-Glance

-  ONLINE COURSE
TECHNICAL REQUIREMENTS, page 4
-  HYBRID COURSE, page 4
-  WEB-ENHANCED COURSE, page 4
-  ON-GROUND COURSE
-  TEXTBOOK REQUIRED
VISIT OUR WEBSITE FOR TEXTBOOK INFORMATION.
-  UC CREDIT
MAY BE TRANSFERABLE TO OTHER COLLEGES AND UNIVERSITIES, page 5

Reg# 363075

Fee: \$625

-  Classroom
10 mtgs
Thursday, 7-10pm, Sept. 27-Oct. 18;
Nov. 1 & 15
UCLA: Botany
-  Field Trips
Sunday, 9am-12pm, Oct. 21
Saturday, 9am-4pm, Dec. 1 & 8
Sunday, 9am-4pm, Dec. 9

Elective course for the Landscape Architecture Certificate; Horticulture Certificate and Sustainability Certificate.

Visitors not permitted. No refund after Oct. 3.  

Alison Lipman, PhD in ecology, the Odum School of Ecology, University of Georgia; ecologist who has worked in the conservation field for 20 years. She is co-founder and president of SELVA International, a locally based conservation nonprofit run by PhD ecologists.

Stephanie Landregan, BA, landscape architect (CA 4093)

BIOLGY X 489.6

Urban Food Production

4.0 units

The production, packaging, and transportation of food are large contributors to our global carbon emissions. Throughout the Los Angeles basin, food gardens have sprung up producing local healthy and nutritious fruits and vegetables while contributing energy and financial savings in difficult economic times. Using the history and current practices of growing food in the city as a template, this course explores how urban grown food reduces food budgets, encourages food sovereignty while addressing environmental concerns. Participants are each given a small plot for growing food where they can experiment with new ideas and enjoy their harvest. Topics include fruit trees, vegetables, and berries that do well in our climate as well as often overlooked food-producing perennials. We address pitfalls, challenges and practical answers to growing food in modern city lots where the "back 40" describes square feet and not acres.

Reg# 363072

Fee: \$625

-  Classroom
9 mtgs
Sunday, 1-5pm, Oct. 7-Dec. 9
Location to be announced

No meeting Nov. 25.

Elective course in Horticulture and Sustainability Certificates.

Visitors not permitted. No refund after Oct. 6. 

David King, gardener for more than 50 years, specializing in edible plants. A long-standing member of Seed Savers Exchange and the American Community Gardening Association (former board member), he is the founding chair of the Seed Library of Los Angeles.

BIOLGY X 494

Introduction to Horticulture

4.0 units

Designed for beginners and experienced gardeners, this course covers the basics of garden care and provides the student with the knowledge to solve many of the problems commonly faced in keeping plants healthy. Topics include soils and soil amendments, fertilizers, plant physiology and identification methods, planting, pruning, and staking techniques, turf grasses, plant selection guidelines, and pest and disease control. The course also includes a brief history of horticulture and an introduction to taxonomy. Students are encouraged to bring in plants for identification and discussion. Includes field trips.

Reg# 363043

Fee: \$625

-  Classroom
12 mtgs
Tuesday, 7-10pm, Sept. 25-Dec. 4
UCLA: Rolfe Hall
Saturday, 9am-12pm, Nov. 17

Core course in the Gardening Specialization. Elective course in the Landscape Architecture Certificate.

No refund after Oct. 1.  

Gary Jones, chief horticulturist at Armstrong Garden Centers. He has served as a member of the Board of Trustees for The Arboretum of Los Angeles and is a member of the Board of Advisors for Southern California Chapter of The Mediterranean Garden Society.

BIOLGY X 499.3A

Building a Garden Ecology with California Natives

4.0 units

This service learning course helps gardeners and landscape architecture students of all levels understand the beauty and value of using our California natives in a garden setting. There are many myths about California natives: they are difficult, need lots of attention and maintenance. Is this true? No! We explore the ecological and logistical values of bringing local native plants and other ecosystem services back into urban landscapes. We learn, by doing, how to design and install a California native garden, focusing on the concepts of Surfrider's Ocean Friendly Garden Program: conservation, permeability, and retention. In collaboration with SELVA International and the Surfrider Foundation.

→ → →