

Horticulture & Gardening Certificate Curriculum Sequence

Students Can Begin the Program at Any Time

Take your love of plants to the next level with the Horticulture & Gardening Certificate. Whether you are looking to improve your soil's health, grow your own food, design an efficient irrigation system, or explore or enhance your career opportunities in the landscape industry, the Horticulture & Gardening program can help you. The program is uniquely designed to prepare beginning students with gardening fundamentals and enrich professionals with foundational science courses.

This certificate is designed for:

- Landscape Professionals
- Master Gardeners
- Garden Designers
- Landscape Contractors
- Home Gardeners
- Realtors
- Property Managers

Curriculum

The curriculum consists of 7 core courses and 8 units of program-approved electives. Students are able to finish the certificate in as little as 5 quarters. 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) <i>(also offered in the Fall)</i>	Introduction to Horticulture (4 units) <i>(also offered in the Winter)</i>	Horticultural Pest Management (4 units)	Soils and Plant Nutrition (4 units)
Gardening Practices and Techniques (4 units)	Plant Materials for Landscape Use (4 units)		Plant Taxonomy and Identification (4 units)

Elective

Offered This Quarter







Spring	Summer	Fall	Winter
Basic Arboriculture (4 units)	The Art and Practice of Pruning (2 units)	Building a Garden Ecology with California Natives (4 units)	Plant Propagation for Gardeners (4 units)
Container Gardening (2 units)	Advanced Arboriculture (4 units)	Urban Food Production (4 units)	Planting Design (4 units)
	Greener Gardens: Sustainable Garden Practices (4 units)		

- 8 elective units must be inserted into the curriculum.

For More Information

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

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

Landscape Architecture Electives

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

To view Landscape Architecture courses visit page 18.



Urban Food Production

Interested in growing your own food?

Urban Food Production is a hands-on class 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.

All class meetings are held at Venice High School in the Learning Garden.

Reap what you sow!

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For More Information

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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.

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For More Information

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Horticulture

Horticulture & Gardening

Enrollment is open to anyone interested in learning the science of horticulture or the common techniques to successful gardening. For Horticulture and Gardening 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# 356169

Fee: \$575

Hybrid

12 mtgs

Classroom meetings

Wednesday, 7-10pm, Sept. 27; Oct. 18;

Nov. 1 & 15; Dec. 6 & 13

UCLA Extension Gayley Center:

1145 Gayley Ave.

Online sessions

Oct. 4 & 25; Nov. 22

Field trips

Sunday, 9am-12pm, Oct. 8; Nov. 5

Saturday, 9am-12pm, Dec. 2

Core course in Horticulture and Gardening Certificate.

Visitors not permitted. No refund after Oct. 3. 🌐 📖

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 control of common garden insects, diseases, and weeds. Topics include integrated pest management (IPM) and biological and other nonchemical methods of control, as well as information on available chemicals and safety programs required for their uses.

Reg# 356170

Fee: \$575

Classroom

12 mtgs

Tuesday, 7-10pm, Sept. 26-Dec. 12

UCLA Extension Westwood Center:

1010 Westwood Blvd.

Core course in Horticulture & Gardening Certificate.

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

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# 356168

Fee: \$575

Classroom

9 mtgs

Sunday, 1-5pm, Oct. 8-Dec. 10

Venice High School: 13000 Venice Blvd.

No meeting Nov. 26.

Elective course in Horticulture and Gardening and Sustainability Certificates.

Visitors not permitted. No refund after Oct. 14. 🌐

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 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.

Reg# 356171

Fee: \$575

Classroom

10 mtgs

Thursday, 7-10pm, Sept. 28-Oct. 19; Nov. 2-16

UCLA: Botany

Field trips

Sunday, 9am-12pm, Oct. 22

Saturday, 9am-4pm, Dec. 2

Saturday, Sunday, 9am-4pm, Dec. 16-17

Elective course for the Landscape Architecture Certificate; elective course for the Sustainability Certificate.

Visitors not permitted. No refund after Oct. 4. 🌐

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 V. Landregan, BA, landscape architect (CA 4093)