

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. Courses available 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

ARCH 748

LARE Section 2: An Intensive Review

Designed for students who are preparing to take the LARE Section 2: Inventory and Analysis, this workshop covers the knowledge and skills related to inventory, data gathering, analysis, programming, regional land use planning, site land use planning, and principles of design.

Reg# 376437

Fee: \$337

No refund after 24 Oct.

- ❖ Remote Instruction

1 mtg
Sunday, 8am-5pm, Oct. 25

Early enrollment required. 🌐

Angela Woodward, BSLA, landscape architect (CA 2126) with over 30 years' experience practicing landscape architecture in California and Arizona. Ms. Woodward has specialized in municipality projects and infrastructure projects. Served as past president of the American Society of Landscape Architecture (ASLA), Southern California Chapter.

ARCH 749

LARE Section 3: An Intensive Review

Designed for students preparing to take LARE Section 3: Design. This workshop covers the knowledge and skills required for site design from principles of design and initial programming through preliminary design stages. Revised exam includes analysis, details, and design materials.

Reg# 376438

Fee: \$337

No refund after 7 Nov.

- ❖ Remote Instruction

1 mtg
Sunday, 8am-5pm, Nov. 8

Students are expected to have basic drafting supplies, trace paper, and a calculator.

Early enrollment required.

Angela Woodward, BSLA, landscape architect (CA 2126) with over 30 years' experience practicing landscape architecture in California and Arizona. Ms. Woodward has specialized in municipality projects and infrastructure projects. Served as past president of the American Society of Landscape Architecture (ASLA), Southern California Chapter.

ARCH 750

LARE Section 4: An Intensive Review

Designed for students preparing to take LARE Section 4: Grading, Draining, and Construction Documentation. This workshop covers the knowledge and skills for preparing plans, including demolition, grading, drainage, planting, and stormwater management. Also covers construction documentation and specifications.

Reg# 376439

Fee: \$588

No refund after 5 Nov.

- ❖ Remote Instruction

2 mtgs
Friday, 12-5pm, Nov. 6
Saturday, 8am-5pm, Nov. 7

Students are expected to have basic drafting supplies, trace paper, and a calculator at each class meeting.

Early enrollment required.

Angela Woodward, BSLA, landscape architect (CA 2126) with over 30 years' experience practicing landscape architecture in California and Arizona. Ms. Woodward has specialized in municipality projects and infrastructure projects. Served as past president of the American Society of Landscape Architecture (ASLA), Southern California Chapter.

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# 376073

Fee: \$625

No refund after 4 Oct.

- ❖ Remote Instruction

11 mtgs
Monday, 6:30-9:30pm, Sept. 28-Dec. 7

Core course in Horticulture Certificate. Elective course in the Landscape Architecture Certificate. 🌐 📖

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 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# 376075

Fee: \$625

No refund after 6 Oct.

- ❖ Remote Instruction

11 mtgs
Wednesday, 7-10pm, Sept. 30-Dec. 16

No meeting Nov. 25. One meeting to be arranged. Core course in Horticulture Certificate. 🌐 📖

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

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# 376074

Fee: \$625

No refund after 5 Oct.

- ❖ Remote Instruction

11 mtgs
Tuesday, 7-10pm, Sept. 29-Dec. 8

Core course in the Gardening Specialization. Elective course in the Landscape Architecture and Horticulture Certificates. 🌐 📖

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

🌐 ONLINE COURSE, page 5.

📖 HYBRID COURSE, page 5.

🌐 WEB-ENHANCED COURSE, page 5.

❖ REMOTE INSTRUCTION, page 5.

📖 TEXTBOOK REQUIRED

🏠 UC CREDIT, page 6.

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Landscape Architecture and
Horticulture & Gardening Programs

Free Online Information Sessions

Saturday, August 8

9:30–11:30am

Landscape Architecture

Enroll online using **Reg# 374436**

1–2:30pm

Horticulture & Gardening

Enroll online using **Reg# 374604**

For More Information
(310) 825-9414

Horticulture Electives

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

To view Landscape Architecture courses visit page 114.



Gardening Practices and Techniques

Looking for a practical introduction to the basics of home gardening? This course offers students an opportunity to gain knowledge in all areas of successful gardening.

Special consideration is placed on Fall garden activities for this time of year. Taught by retired LA Arboretum Supervising Horticulturist, **Jill Morganelli**, who brings a fun and energetic approach to gardening.

This is a core course in the Gardening Specialization.

Page 118.

For More Information

horticulture@uclaextension.edu | 310-825-9414

BIOLGY X 497.5

Gardening Practices and Techniques

4.0 units

This course offers a practical introduction to the basics of maintaining a home garden. Students gain knowledge in tool selection and care, soil preparation, planting, plant nutrition, and water requirements. Topics include common landscape problems with organic and holistic solutions; our special climate and micro-climates, including sun and shade exposures; various pruning techniques; types of irrigation systems; gardening in containers; and gardening with color including perennials, annuals, and bulbs.

Reg# 376298

Fee: \$625

No refund after 7 Oct.

❖ Remote Instruction

11 mtgs

Thursday, 6:30-9:30pm, Oct. 1-Dec. 17

Core course in the Gardening Specialization. Elective course in the Horticulture Certificate. 🌐 📖

Jill Morganelli

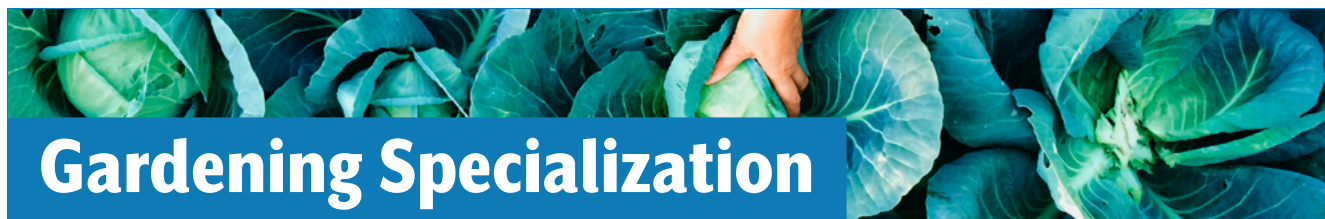
BIOLGY X 489.6

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 and 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.

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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

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

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.

Reg# 376440

Fee: \$625

No refund after 9 Oct.

❖ Remote Instruction

11 mtgs

Saturday, 9am-12pm, Oct. 3-Dec. 19

No meeting Nov. 28.

Elective course in Horticulture and Sustainability Certificates. 🌐

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.

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.