

**ARCH X 493.883
Rhinoceros 5**

3.0 units

This course explores new methods to conceive, create and represent landscape through the 3D modeling software Rhinoceros 5. Investigations during the course will commence with visions of landscape surfaces and their manipulation. Further exploration will cover objects, buildings, structures, follies, and architecture that inhabit these landscape. Throughout these studies, students will revisit and reconceive the relations between their landscape strategies, the things that inhabit them, and how to represent them.

Reg# 364788**Fee: \$695***No refund after 11 Jan.*❖ **Classroom**

6 mtgs

Saturday, 10am-2pm, Jan. 12-Mar. 23

UCLA Extension DTLA: 261 S. Figueroa St.

Laptop course. Students are required to bring their personal laptops with Rhino 5 software installed to each and every class.

Instructor does not help students install or download software. 🌐

Evan Bliss, an emerging practitioner in Los Angeles who has worked for the award-winning offices of Lehrer Architects, XTEN Architecture, and Clive Wilkinson Architects on projects locally and internationally. Evan serves on the Board of the Directors for the non-profit LA Forum for Architecture & Urban Design.

ARCH 747**LARE Section 1: An Intensive Review**

Designed for students who are preparing to take the Landscape Architects Registration Exam (LARE) Section 1: Project and Construction Administration, this workshop covers the knowledge and skills associated with regulations, contracts, and construction administration processes.

Reg# 364792**Fee: \$337***No refund after 27 Feb.*❖ **Classroom**

1 mtg

Saturday, 9am-5pm, Mar. 2

UCLA Extension Lindbrook Center:

10920 Lindbrook Dr.

Advance enrollment required; no enrollment at the door.

Angela Woodward, BSLA, landscape architect (CA 2126) with 30 over 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 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# 364793**Fee: \$337***No refund after 27 Feb.*❖ **Classroom**

1 mtg

Sunday, 9am-5pm, Mar. 3

UCLA Extension Lindbrook Center:

10920 Lindbrook Dr.

Advance enrollment required; no enrollment at the door.

Angela Woodward, BSLA, landscape architect (CA 2126) with 30 over 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# 364794**Fee: \$337***No refund after 20 Feb.*❖ **Classroom**

1 mtg

Sunday, 9am-5pm, Feb. 24

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

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

Advance enrollment required.

Angela Woodward, BSLA, landscape architect (CA 2126) with 30 over 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# 364795**Fee: \$588***No refund after 20 Feb.*❖ **Classroom**

2 mtgs

Friday, 1-7pm, Feb. 22

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

Saturday, 9am-5pm, Feb. 23

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

Students are expected to bring basic drafting supplies, trace paper, and a calculator to class each day.

Advance enrollment required.

Angela Woodward, BSLA, landscape architect (CA 2126) with 30 over 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.

Free Open House!

The Horticulture & Gardening Certificate Program

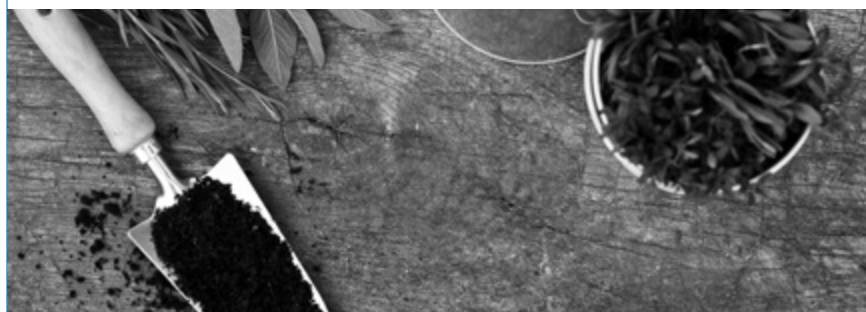
Saturday, February 9, 9:30-11am, 1145 Gayley Ave.

Interested in becoming an urban gardener or looking for a promotion at work? The Horticulture & Gardening Program has a wide array of courses, specializations, and a professional certificate to fit your needs. Increase your plant pallet, develop diagnostic skills for plant diseases and pests, learn the components of a healthy soil, and acquire the knowledge to manage water issues within a landscape. These are just a few of the many topics covered within the program.

Attend our informative Open House to learn more about the curriculum, career opportunities, and the benefits of enrollment in the certificate. Speakers include program director, program instructor, and current and/or former students.

Course Discount

Each new program student who attends the Open House receives a 15% discount on the following spring courses:

BIOLGY X 499.97 Irrigation and Water Management**BIOLGY X 496.2 General Botany for Gardeners****BIOLGY X 494 Introduction to Horticulture**

For More Information, contact the program office at (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 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 offering discounts on select courses for NEW program students who attend this open houses. *This information session is free and open to the public. Please RSVP/Enroll today!*

→ → →

🌐 **ONLINE COURSE**, page 4.🌐 **HYBRID COURSE**, page 4.🌐 **WEB-ENHANCED COURSE**, page 4.❖ **ON-GROUND COURSE**, page 4.📖 **TEXTBOOK REQUIRED**🏠 **UC CREDIT**, page 5.**Reg# 364789****Fee: \$0***No refund after 9 Feb.*❖ **Classroom**

1 mtg

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

UCLA Extension Gayley Center:

1145 Gayley Ave.

Free Program Information Session!

Stephanie Landregan, BA, landscape architect (CA 4093)

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. Courses can be taken individually or as part of the certificate.

Core

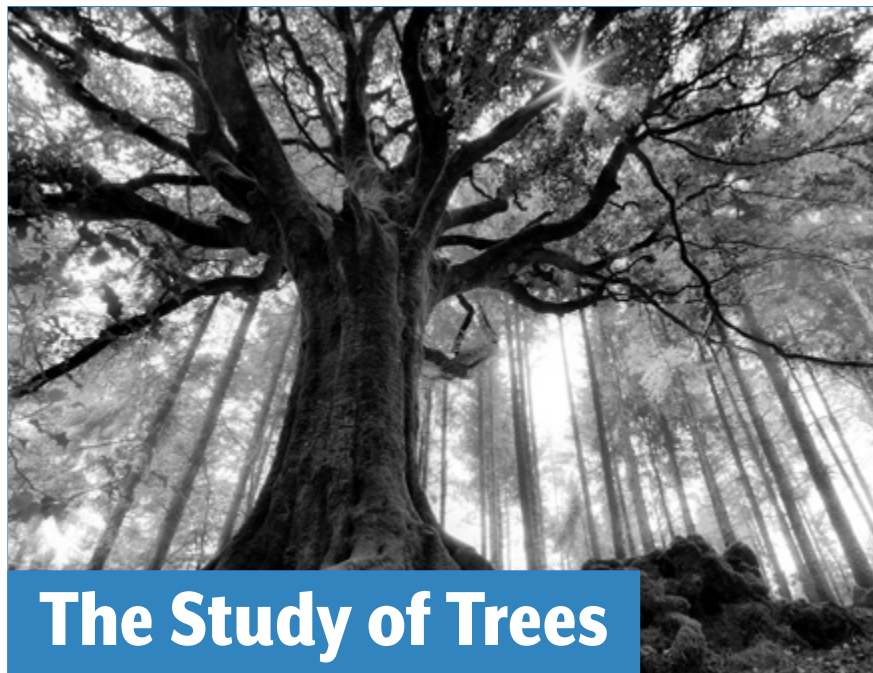
Offered This Quarter

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



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.

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For More Information

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

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# 365164

Fee: \$445

No refund after 20 Jan.

Hybrid

6 mtgs

Classroom meetings

Monday, 6:30-9:30pm, Jan. 14; Feb. 25
UCLA Extension DTLA: 261 S. Figueroa St.

Online sessions

Jan. 21; Feb. 4

Field trips

Saturday, 9am-12pm, Jan. 26; Feb. 9

No meetings Jan. 28; Feb. 11 & 18. 🌐 📖

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 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): X 496.2 General Botany for Gardeners or X 494 Introduction to Horticulture.

Reg# 364790

Fee: \$625

No refund after 15 Jan.

Classroom

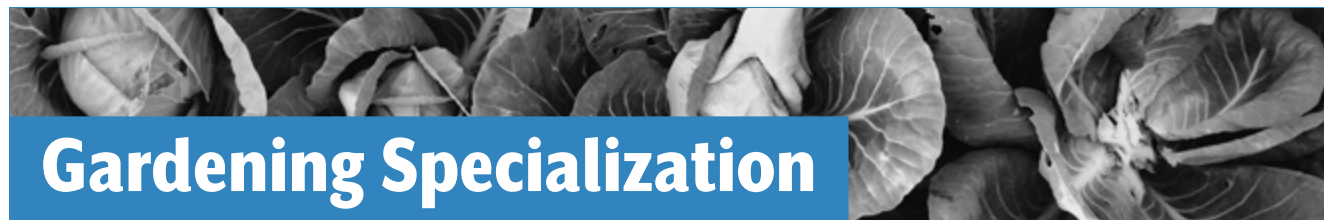
10 mtgs

Wednesday, 7-10pm, Jan. 9-Mar. 20

UCLA: Geology

No meeting on Feb 20. 🌐

Gretchen Renshaw, BS 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 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.

Horticulture Electives

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

To view Landscape Architecture courses visit page 119.

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

Reg# 364787

Fee: \$625

No refund after 16 Jan.

❖ Classroom

14 mtgs

Thursday, 7-10pm, Jan. 10-Mar. 21

UCLA Extension Lindbrook Center:

10920 Lindbrook Dr.

Field trips

Sunday, 9am-12pm, Jan. 27; Feb. 10 & 24

Students should have general knowledge of tree identification. 🌐 📖

Pieter Severynen, BArch, landscape architect (CA 1970); ISA Certified Arborist (WC-2371-A). Director of Planning and Design at North East Trees, a non-profit design build firm dedicated to increasing green space and constructing innovative environmental improvement projects in Los Angeles.

BIOLGY X 497.19

Planting Design for the Home Gardener

4.0 units

This course covers the principles of design for the residential garden using a combination of plant materials and built elements. Instruction includes spatial, functional, climatic, and visual analysis of the site. It also explores the design process for laying out the garden, choosing site-appropriate plants, providing structural definition, and producing desired moods, vistas, and aesthetic effects. Includes two field trips to successfully established Los Angeles-area gardens.

Reg# 364791

Fee: \$625

No refund after 14 Jan.

❖ Classroom

9 mtgs

Tuesday, 7-10pm, Jan. 8-Feb. 26; Mar. 12

UCLA Extension Gayley Center:

1145 Gayley Ave.

Three field trips to be arranged.

Elective course in the Horticulture Certificate. 🌐

Wendy Glomb, BLA, who began teaching at UCLA Extension in 2013. She is a member of the L.A. chapter of the AIA and has a practice in Los Angeles as well as Santa Barbara.



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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 4.

🌐 ONLINE COURSE, page 4.

📺 HYBRID COURSE, page 4.

🌐 WEB-ENHANCED COURSE, page 4.

❖ ON-GROUND COURSE, page 4.

📖 TEXTBOOK REQUIRED

🏠 UC CREDIT, page 5.