



## Rhinoceros

Saturdays, 10am–2pm

*Laptop Course*

This course will teach students fundamental modeling techniques and procedures in the 3D modeling software Rhinoceros 6, as well as their practical application in the field of Landscape Architecture. It will examine the limits of the software through a series of modeling exercises intended to showcase Rhinoceros 6's capabilities in representing landscapes, spaces, and objects at a variety of scales. Basic means and methods to output modeled content for further use and development will be demonstrated.

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For More Information

(310) 825-9414 | [uclaextension.edu](http://uclaextension.edu)



## Become a

# Landscape Architect

Summer Quarter is the perfect time to start the Landscape Architecture Certificate with our two introductory courses.

### ARCH X 472 Introduction to the Landscape Design Professions

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### ARCH X 472.4D Design Graphics I: Drafting and Drawing of the Built Environment

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- Designed for working professionals and those looking for a career change, this three-year, intensive program prepares you for the exciting and wonderful world of landscape architecture.
- You do not need to be a certificate student to enroll in the introductory courses.

Above: Jessyca Frederick

For More Information or Detailed Course Descriptions

(310) 825-9414 | [landarch.uclaextension.edu](http://landarch.uclaextension.edu)

### ARCH X 472.15D

#### Capstone Project Studio

10.0 units

The Capstone Project Studio is an intensive course in which students develop a comprehensive and creative final design project that reflects their special interests and demonstrates the theory, skills, and knowledge acquired over the two-and-a-half prior years of study in the Landscape Architecture Program. Students select individual projects and complete the Capstone Studio Project in 12 weeks. Small studio groups meet twice weekly under instructor guidance to review their work in progress. Class sessions include discussion of design theory and process, programming, design concepts, and graphic communication. The student will prepare for weekly critiques and meet milestones. Completed projects are presented before instructors, guidance committee members, and local professionals at approximately week 11.

*Prerequisite(s):* X 472.15C Capstone Project Seminar.

**Reg# 374440**

**Fee: \$2,310**

*No refund after 28 June.*

- ❖ *Remote Instruction*

24 mtgs

Monday, Thursday, 6-10pm, June 22-Aug. 31

Thursday, 5-10pm, Sept. 3

Saturday, Sunday, 8am-5pm, Sept. 5-6

*Restricted course. Students who wish to take this course must request permission from the program office before they can enroll.*

*Visitors not permitted.* 🌐

**Meg Rushing Coffee**, landscape architect (CA 4747). Ms. Coffee has her own practice specializing in residential design. Previously, she worked with Pamela Burton & Company, OLIN, and Marmol Radziner & Associates. She is vice chair of the UCLA Landscape Architecture Program Instructor Committee and Secretary of the Association for Women Architects and Designers (AWA+D).

**Jim Pickel**, BS, (CA 4385), ASLA, past principal of MIG, Inc. (retired) who is a licensed landscape architect in California and Texas with 37 years' experience. He currently serves on the executive board of the California Council of the American Society of Landscape Architects.

### ARCH X 493.883

#### Rhinoceros

3.0 units

This course explores new methods to conceive, create, and represent landscape through the 3D modeling software Rhinoceros. 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 this 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# 374971**

**Fee: \$695**

*No refund after 10 July.*

- ❖ *Remote Instruction*

6 mtgs

Saturday, 10am-2pm, July 11-18; Aug. 1-15;

Aug. 29

*Class meets every other Saturday.*

*Laptop course.*

*Students are required to use their personal laptops each class with Rhino 6 software installed.*

*Instructor does not help students install or download software.*

*Knowledge of Adobe Photoshop and Illustrator are required.* 🌐

**Jeremy Jarin**, Jeremy Jarin has been working as a landscape designer at Studio-MLA for the past 5 years. He is involved in a variety of local projects applying his knowledge of graphic representation platforms and 3D modeling to assist in producing presentation materials and construction documents.

## 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](http://horticulture.uclaextension.edu).

### BIOLGY X 499

#### Plant Materials for Landscape Use

4.0 units

This course presents the characteristics of up to 150 plants selected for their garden use and seasonal interest in the Southern California area. Topics include trees, shrubs, ground covers, vines, and herbaceous plants, emphasizing their landscape use, appropriate placement, horticultural care, and ornamental features. The first class is held on campus, followed by field trips by itinerary. A course project is required for all credit students.

**Reg# 374608**

**Fee: \$625**

*No refund after 10 July.*

- ❖ *Remote Instruction*

9 mtgs

Sunday, 12-5pm, June 28

Sunday, 12:30-3:30pm, July 12-Aug. 23

Sunday, 12-5pm, Sept. 6

*Core course in Horticulture Certificate.*

*Visitors not permitted.* 🌐

**Joshua Rosen**, a licensed landscape architect who is passionate about the use of a diverse, climactically-appropriate plant palette. He has worked in Los Angeles on a wide range of landscape project types for nearly 15 years, serves on the Santa Monica Architectural Review board, and is the founder of Airplantman, a tillandsia display company.

### 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. At their garden plot, students gain first-hand experience in tool selection and care, soil preparation, planting, fertilizing, and watering. Topics include common landscape problems and solutions; our special climate and microclimates, 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# 374607**

**Fee: \$625**

*No refund after 28 June.*

- ❖ *Remote Instruction*

Date and Time TBA

*Core course in the Gardening Specialization. Elective course in the Horticulture Certificate*

*Visitors not permitted.* 🌐

**Instructor to be announced**

# 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
<b>General Botany for Gardeners</b> (4 units) <b>Introduction to Irrigation Practices</b> (4 units)	<b>Plant Materials for Landscape Use</b> (4 units)	<b>Horticultural Pest Management</b> (4 units)	<b>Soils and Plant Nutrition</b> (4 units) <b>Plant Taxonomy and Identification</b> (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](http://horticulture.uclaextension.edu)

BIOLGY X 498.10

### Greener Gardens: Sustainable Garden Practice

4.0 units

Sustainability is today's buzzword, and many people seek to create a lifestyle with a more favorable impact on the environment. From home and school gardens to commercial sites, our gardens present the perfect place to start. Designed for horticulture students, gardening professionals, educators, and home gardeners, this course focuses on turning your green thumb into a "greener" garden. Topics include composting, irrigation, water harvesting, water-wise plants, eating and growing local produce, recycling, and moving away from a consumptive, non-sustainable lifestyle when choosing materials and tools. Includes weekend field trips to the Los Angeles River to see our relationship with water in the L.A. basin, as well as the Rancho Santa Ana Botanical Garden, focusing not only on California native plants but also on water-conserving planting design. Students also visit the John T. Lyle Center for Regenerative Studies at Cal Poly Pomona, which advances the principles of environmentally sustainable living through education, research, demonstration, and community outreach.

Reg# 374688

Fee: \$625

No refund after 28 June.

❖ Remote Instruction

11 mtgs

Thursday, 7-10pm, June 25-Sept. 3

**Orchid Black**, owner, Pitcher Sage Design, a sustainable garden business with an emphasis on native plants and water conservation

**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 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 three field trips to successfully established Los Angeles-area gardens.

Reg# 374603

Fee: \$625

No refund after 29 June.

❖ Remote Instruction

9 mtgs

Tuesday, 6:30-9:30pm, June 23-Aug. 18

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.

🌐 ONLINE COURSE, page 5.

🌐 HYBRID COURSE, page 5.

🌐 WEB-ENHANCED COURSE, page 5.

❖ REMOTE INSTRUCTION, page 5.

📖 TEXTBOOK REQUIRED

🏠 UC CREDIT, page 6.

## Free Information Session!

## The Horticulture & Gardening Program

Saturday, August 8, 1-2:30pm

The certificate program is designed for aspiring horticulturists, as well as current industry professionals looking for more formal education.

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

## Course Discount

Each new program student who attends the Open House receives a 10% discount on the following courses:

**BIOLGY X 494 Introduction to Horticulture**

**BIOLGY X 496.2 General Botany**

To register, use Reg# 374604 at [uclaextension.edu](http://uclaextension.edu).

[horticulture@uclaextension.edu](mailto:horticulture@uclaextension.edu) | (310) 825-9414

## Horticulture Electives

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

To view Landscape Architecture courses visit page 108.