

# LANDSCAPE

# ARCHITECTURE

# & HORTICULTURE

118 LANDSCAPE ARCHITECTURE

122 HORTICULTURE & GARDENING

For more information call (310) 825-9414.

## WHAT OUR STUDENTS SAY

*“This horticulture program has granted me the opportunity to acquire the skills and knowledge necessary to further my education and follow my passion of growing food. Because of this program I have my dream job!”*

— **Wendi Dunn**, Horticulture Certificate Student

## Prepare for the LARE Exam

Studying for the LARE can be confusing and stressful, but UCLA Extension’s highly regarded review program provides exceptional preparation for all areas of the exam.

**LARE 1:** Sat, Feb. 8, 9am–5pm

**LARE 2:** Sun, Feb. 9, 9am–5pm

**LARE 3:** Sun, Feb. 23, 9am–5pm

**LARE 4:** Fri & Sat, Feb. 21, 12–5pm  
& Feb. 22, 9am–5pm

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## Landscape Architecture Electives

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

Horticulture & Gardening courses begin on page 122.

## Landscape Architecture

For more information call (310) 825-9414 or email [landscapearchitecture@uclaextension.edu](mailto:landscapearchitecture@uclaextension.edu).

*Note:* The Landscape Architecture Program does not support AutoCAD on the Mac.

All CAD courses are fast-paced and complex; absence from any meeting is discouraged. The courses require at least three hours of computer work outside of class per week. Lab hours are not available; therefore, students must have access to their own hardware and software for the courses in which they enroll. Laptops are required for certain courses; check individual course descriptions for specifics.

### FREE SOFTWARE AND SOFTWARE LICENSES

Certificate students may download AutoCAD for free upon proof of student status and may be eligible for academic rates on other software for their home computer. Prices and restrictions are subject to change. Software versions should reflect the version used in class as an older version may not possess the same interface or tools demonstrated in class. Each student must verify that his/her computer meets the software’s minimum system requirements. For more information call (310) 825-9414.

### ARCH X 471.1A Landscape Design 1: Site Design Basics

4.0 units

This course explores basic design elements, principles, and issues relevant to landscape architecture. Projects emphasize abstract 3D space and form; the basics of site design: conceptual design, imagery, and symbolism; and basic issues of proportion, scale, and composition. *Prerequisite(s):* ARCH X 472 Introduction to the Landscape Design Professions and ARCH X 472.4D Design Graphics I: Drafting and Drawing of the Built Environment.

**Reg# 370858**

**Fee: \$925**

*No refund after 15 Jan.*

❖ *Classroom*

11 mtgs

Thursday, 7-10pm, Jan. 9-Mar. 19

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

*Visitors not permitted.* 🌐 📖

**Steven Chavez**, founding principal of SCA-LARC. Steven founded SCA-LARC in 2009 after working for Gustafson Guthrie Nichol of Seattle. He received his Bachelor of Landscape Architecture from the University of Washington. Mr. Chavez’s core interest is designing high-use public and civic spaces.

ARCH X 472.4E

### Design Graphics 2: Communication for Site Analysis, Conceptual and Site Design

4.0 units

Students build upon drafting, lettering, and drawing techniques learned in Design Graphics 1. As the second class in the series, it also concentrates on the graphic conventions for site analysis, conceptual design, design process and measured plan, perspective, and section elevations as they relate to the field of landscape architecture and professional standards. All work product is developed from the Tongva Park site used in Design Graphics 1, located in Santa Monica. At the end of this course, students make an oral presentation to the instructor and visiting guests. The students present a package of work product that includes hand drafting and colored rendering of a conceptual site plan, section/elevations and perspective vignettes; graphic package of progress drawings, including site analysis graphics, design concept studies, and a final design concept with supporting design elements.

*Prerequisite(s):* ARCH X 472 Introduction to the Landscape Design Professions and ARCH X 472.4D Design Graphics 1.

**Reg# 370865**

**Fee: \$925**

*No refund after 13 Jan.*

❖ *Classroom*

11 mtgs

Tuesday, 7-10pm, Jan. 7-Mar. 17

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

*Visitors not permitted.* 🌐 📖

**Rebecca Schwaner**, MA, landscape and project designer at Studio-MLA. Her built work includes streetscapes, affordable housing environments, park and civic projects, and reclamation and restoration of habitat. In 2010 she was selected Outstanding Instructor of the year in Arts, Landscape Architecture Program.

### ARCH X 471.1B Landscape Design 2: Site Design

4.0 units

This course introduces the landscape architectural design process. Emphasizing process and concept development, students identify a problem and then use site inventory, analysis, program development, and exploration to test solutions. Projects are small-scale sites, preferably actual, and visitable, such as intimate courtyards, street plazas, and pocket parks, and/or physically built (i.e. limited use of computer drafting, rendering, and 3D modeling).

*Prerequisite(s):* ARCH X 471.1A Landscape Design 1 and ARCH X 472.4E Design Graphics 2. Candidacy in the Landscape Architecture Program.

**Reg# 370860**

**Fee: \$925**

*No refund after 14 Jan.*

❖ *Classroom*

11 mtgs

Wednesday, 7-10pm, Jan. 8-Mar. 18

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

*Visitors not permitted.* 🌐 📖

**Jim Smith**, MArch, UCLA; AIA, architect (CA 14453); chief of the Development Division, Planning and Development Agency for the Los Angeles County Department of Parks and Recreation. Mr. Smith has a BA in Cultural Geography from CSUN and an MA in Architecture from UCLA. He is a licensed architect in California.

🌐 ONLINE COURSE, page 5.

📖 HYBRID COURSE, page 5.

🌐 WEB-ENHANCED COURSE, page 5.

❖ ON-GROUND COURSE, page 5.

📖 TEXTBOOK REQUIRED

🏠 UC CREDIT, page 6.

# Landscape Architecture Curriculum

Students can begin the program sequence Summer or Fall Quarter; courses must be taken in sequence & during the year indicated below.

## Year 1

Summer/Fall	Fall/Winter	Winter/Spring	Spring/Summer
<b>Introduction to the Landscape Design Professions</b> (4 units)  <b>Design Graphics 1: Drafting and Drawing of the Built Environment</b> (4 units)	<b>Landscape Design 1: Site Design Basics</b> (4 units)  <b>Design Graphics 2: Communication for Site Analysis, Conceptual, and Site Design</b> (4 units)	<b>Landscape Design 2: Site Design</b> (4 units)  <b>Design Graphics 3: Digital Rendering and Presentation Drawings</b> (4 units)	<b>Landscape Design 3: Advanced Site Design</b> (5 units)  <b>AutoCAD 1</b> (4 units)  <b>History of the Designed Landscape</b> (4 units) <i>Only Offered Summer Quarter</i>

## Year 2

Fall	Winter	Spring	Summer
<b>Grading &amp; Drainage</b> (4 units)  <b>Plant Materials: Trees</b> (4 units)  Portfolio Review	<b>Landscape Design 4: Sustainable Design/ Environmental Analysis and Planning</b> (4 units)  <b>Plant Materials: Shrubs</b> (4 units)	<b>Landscape Design 5: Planting Design</b> (4 units)  <b>AutoCAD 2</b> (4 units)	<b>Landscape Design 6: Concept Development</b> (4 units)  <b>Irrigation/Water Conservation</b> (4 units)

## Year 3

Fall	Winter	Spring	Summer
<b>Landscape Construction Methods &amp; Materials</b> (4 units)  <b>Construction Drawing 1</b> (4 units)  <b>Professional Practices in Landscape Architecture</b> (2 units)	<b>Construction Drawing 2</b> (4 units)  <b>Human Factors in Landscape Architecture</b> (4 units)	<b>Landscape Design 7: Advanced Design Studio</b> (5 units)  <b>Capstone Project Seminar</b> (3 units)	<b>Capstone Project Studio</b> (10 units)  Portfolio Review

- 6 elective units must be inserted into the 3-year plan before beginning the Capstone Project Studio.
- Students beginning Summer Quarter should expect the program to last 3 years and 1 quarter. They will receive individual advising and a slightly altered sequence.

## For More Information

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

### ARCH X 472.4F

#### Design Graphics 3: Digital Rendering and Presentation Drawings

4.0 units

This third course in the Design Graphics Sequence takes the same site plan and designs and renders them with digital media. Advanced and additional details fill out the sequence with a full graphic package that encompasses digital renderings, sections, and elevations.

*Prerequisite(s):* ARCH X 472.4E Design Graphics 2 and ARCH X 471.1A Landscape Design 1. Candidacy in the Landscape Architecture Program.

**Reg# 370866**

**Fee: \$1,050**

*No refund after 12 Jan.*

❖ **Classroom**

10 mtgs

Monday, 6:30-10pm, Jan. 6, Mar. 16

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

Saturday, 9am-12:30pm, Feb. 8

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

*No meetings Jan. 20; Feb. 17.*

*Visitors not permitted.* 🌐 📱

**Sheldon Nemoy**, alumnus of the office of Charles Eames and honorary member of the Eames Foundation. Mr. Nemoy has worked extensively for major domestic

and international clients and is also an author and seminar speaker.

### ARCH X 472.9

#### Landscape Design 4: Environmental Analysis and Planning

4.0 units

This course studies the methods and attitudes of environmental research and analysis utilized by landscape architects. Students investigate the natural, historical, and cultural factors that impact land-use suitability, design programming, and design development. Instruction emphasizes the application of these methods to both the natural and built environments.

*Prerequisite(s):* ARCH X 471.2 Landscape Design 3; ARCH X 472.12A Grading and Drainage.

**Reg# 370870**

**Fee: \$925**

*No refund after 13 Jan.*

❖ **Classroom**

12 mtgs

Tuesday, 7-10pm, Jan. 7-Mar. 17

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

*Field trip*

Sunday, 10am-1pm, Jan. 12

*Visitors not permitted.* 🌐 📱

**Matthew Shimer**, MLA in landscape architecture from

Chatham University in Pittsburgh, Pennsylvania, with a focus on stormwater management. Matthew is a licensed landscape architect in California and has earned a LEED AP credential in sustainable neighborhood development.

### ARCH X 472.8B

#### Plant Identification: Shrubs

4.0 units

One of the two required plant material courses, focusing on plants, their communities, and place in the landscape. Instruction focuses on plant materials that often influence the landscape architect's overall site composition. This course focuses on medium-scale materials, such as shrubs, vines, ground covers, and special-effects plants used to fulfill specific site requirements—and companion plant groupings and planting location as design elements. Students take Saturday and Sunday field trips (itinerary discussed at the first class) to urban landscapes, campuses, gardens, arboreta, and nurseries, meeting once (first class) at UCLA in a classroom setting. Students are responsible for their own transportation to remote lecture locations (carpooling is encouraged) and must bring a camera to all classes.

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### Reg# 370868

**Fee: \$925**

*No refund after 17 Jan.*

❖ **Classroom**

9 mtgs

Saturday, 9am-1pm, Jan. 11

UCLA: La Kretz Hall

*Field trips*

Saturday, 9am-1pm, Jan. 25-Feb. 8

Saturday, 9am-1pm, Feb. 22-Mar. 21

*No meeting Feb. 15.*

*Visitors not permitted.* 🌐 📱

**Tom Rau**, BA, Architecture, UC Berkeley; MBA, USC; ASLA, landscape architect (CA 5681), who specializes in water-sensitive design of residential, commercial and public projects. Mr. Rau is currently a principal of Urban Water Group, Inc.



## Introduction to SketchUp

### Laptop

This course focuses on the fundamentals of the SketchUp software. Perfect for students with little or no SketchUp or 3D modeling experience. Students must bring their own laptop to each class.

- Workshop focused on landscape applications
- Site model drafting and techniques
- Layers
- File and modeling preferences
- Exporting scenes to other usable formats

Check course description online for computer and software requirements.

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Above: Elizabeth Miller Weinstein.

### For More Information

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

### ARCH X 472.23 Human Factors in Landscape Architecture

4.0 units

This course presents an introduction to current concepts and research on how people interact with their environments and how design shapes human behavior and perception. Topics include the cultural and social determinants of territoriality; personal space and life style as design generators; designing for community, privacy, and safety; perception and recognition of urban form; designing streets and plazas for pedestrian use; the sensory environment; and learning from and programming for clients.

*Prerequisite(s):* ARCH X 472.19 Design 6: Concept Development.

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### Reg# 370862

**Fee: \$925**

*No refund after 11 Jan.*

#### ❖ Classroom

11 mtgs

Tuesday, 7-10pm, Jan. 7, 21 & 28;  
Feb. 4 & 18; Mar. 3-17

UCLA Extension Lindbrook Center:  
10920 Lindbrook Dr.

#### Field trips

Sunday, 1-4pm, Jan. 12; Feb. 2

Tuesday, 7-10pm, Feb. 11

Sunday, 11am-4pm, Mar. 1

*Visitors not permitted.* 🌐 📖

**Eileen Alduenda**, interim executive director of the Council for Watershed Health. She has an MLA from the University of Washington where she focused on urban ecological systems and completed research for Seattle Public Utilities on Natural Drainage Systems as an approach to Low Impact Development.

### ARCH X 472.14C

### Landscape Construction Drawing 2

4.0 units

This second construction drawing course completes the construction document package. Students prepare and incorporate electrical plans, planting plans, detail sheets, miscellaneous site furnishing schedules, specifications, and cost estimates.

*Prerequisite(s):* ARCH X 493.6 AutoCAD 2, ARCH X 472.14B Landscape Construction Drawing I, and ARCH X 472.14A Landscape Construction Methods and Materials

### Reg# 370861

**Fee: \$925**

*No refund after 15 Jan.*

#### ❖ Classroom

11 mtgs

Thursday, 7-10pm, Jan. 9-Mar. 19

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

*Visitors not permitted.* 🌐 📖

**Perla Arquieta**, who has worked with Galper/Baldon Associates, Laura Saltzman Associates, Artocho Landscape Architects, KAA Design Group, and, most currently, The County of Los Angeles Parks and Recreation. Ms. Arquieta's body of work includes residential, institutional, commercial, and public projects. She is a member of ASLA.

### 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# 370853

**Fee: \$337**

*No refund after 5 Feb.*

#### ❖ Classroom

1 mtg

Saturday, 9am-5pm, Feb. 8

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

*Advance enrollment required; no enrollment at the door.*

**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 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# 370855

**Fee: \$337**

*No refund after 5 Feb.*

#### ❖ Classroom

1 mtg

Sunday, 9am-5pm, Feb. 9

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

*Advance enrollment required; no enrollment at the door.*

**Angela Woodward**, For credits see page 120.

### 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# 370856

**Fee: \$337**

*No refund after 19 Feb.*

#### ❖ Classroom

1 mtg

Sunday, 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. Advance enrollment required.*

**Angela Woodward**, For credits see page 120.

### 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# 370857

**Fee: \$588**

*No refund after 19 Feb.*

#### ❖ Classroom

2 mtgs

Friday, 12-5pm, Feb. 21

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

Saturday, 9am-5pm, Feb. 22

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**, For credits see page 120.

### ARCH X 494.65

### Sketching and Plant Identification

3.0 units

Held at locations in and around the Southern California area, this course is an introduction to scientific illustration and plant identification. Students are introduced to plant taxonomy and terminology. The instructor establishes a plant pallet to be studied for each location. Above all, students develop a keen sense of awareness and observation.

### Reg# 370872

**Fee: \$695**

*No refund after 15 Feb.*

#### ❖ Classroom

4 mtgs

Sunday, 10am-4pm, Feb. 16

San Gabriel: San Gabriel Nursery & Florist,  
632 So. San Gabriel Blvd.

#### Field trips

Sunday, 10am-4pm, Feb. 23; Mar. 1 & 8

*Elective course in Landscape Architecture and Horticulture Certificates.*

*Students must provide their own transportation to field trip locations.* 🌐 📖

**David Squires**, MA in Architecture and Urban Design, UCLA; BS in Landscape Architecture and Regional Planning, Washington State University. Mr. Squires is the principal of AroundYOU, a multi-disciplinary studio offering master planning, solar planning, architectural design, landscape architecture, and garden design.

# 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 available individually or as part of the certificate.

## Core

Spring	Summer	Fall	Winter
<b>General Botany for Gardeners (4 units)</b> <b>Irrigation and Water Management (4 units)</b>	<b>Plant Materials for Landscape Use (4 units)</b>	<b>Horticultural Pest Management (4 units)</b>	<b>Soils and Plant Nutrition (4 units)</b> <b>Plant Taxonomy and Identification (2 units)</b>

\* 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)

ARCH X 494.933

### Creating Magic in a Residential Space

3.3 units

Every landscape speaks in a different voice. The residential designer must hear what is said and marry the needs of the landscape to the desires of the client. This course focuses on how to develop and produce ideas as you experience the space and create a magical feeling in your residential design. The emphasis is on process through overlay studies, rather than working drawings or presentation graphics, resulting in a final design sketch.

*Prerequisite(s):* ARCH X 471.2 Landscape Design 3: Advanced Site Design or consent of the Program Office.

**Reg# 371564**

**Fee: \$695**

*No refund after 14 Jan.*

❖ **Classroom**

9 mtgs

Wednesday, 7-10pm, Jan. 8-Mar. 4

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

**Garett Carlson**, MArch, BLA, landscape architect (CA 1606), who has been creating uniquely beautiful, timeless landscape and architectural environments in Southern California and elsewhere for over 25 years. He is widely respected as a landscape architect who brings a special vision to site planning and an unusual aesthetic sensitivity to the design of outdoor space.

ARCH X 493.773

### Introduction to SketchUp for Landscape Architects

3.0 units

This course is intended for students and practitioners of landscape architecture with little or no 3D drawing or SketchUp experience, who want to learn to create 3D models using SketchUp, beginning with basics through 3D modeling. Students learn the various ways SketchUp can be used to design, analyze, and present information and projects.

**Reg# 366599**

**Fee: \$695**

*No refund after 10 Jan.*

❖ **Classroom**

4 mtgs

Saturday, 9am-4pm, Jan. 11-Feb. 1

UCLA Extension Gayley Center:

1145 Gayley Ave.

*Laptop required in class with SketchUP Pro student software installed.*

<http://www.sketchup.com/3Dfor/education-students>

*Visitors not permitted.* 🌐 📖

**Laura Razo**, BSLA, MLA, project manager/landscape designer, who has more than 13 years of professional experience as a landscape designer and project manager. She received her BS in Landscape Architecture (BSLA) from Cal Poly, Pomona and received her MLA in 2015.

🌐 **ONLINE COURSE**, page 5.

📺 **HYBRID COURSE**, page 5.

🌐 **WEB-ENHANCED COURSE**, page 5.

❖ **ON-GROUND COURSE**, page 5.

📖 **TEXTBOOK REQUIRED**

🏠 **UC CREDIT**, page 6.



## 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.

*Core course in the Arboriculture Specialization*

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## For More Information

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