

LANDSCAPE ARCHITECTURE, HORTICULTURE & GARDENING

- 121 Landscape Architecture
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Free Open House

Sat, May 7, 9:30-11:30am,
1010 Westwood Center, Room 320

UCLA Extension's Landscape Architecture Certificate is approved to meet the education requirement for licensure in California.

Highlights include:

- Presentation of the curriculum
- Discussion of career opportunities
- Question-and-answer period
- Talk with instructors, alumni, and current students
- A drawing to win a free course
- \$50 off selected courses for new students



RSVP by email or phone:

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

Landscape Architecture Quarterly Curriculum Sequence

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

Year 1

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

Portfolio Review

Year 2

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

Year 3

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>	<i>Summer</i>
Landscape Construction Methods & Materials (4 units) Construction Drawing 1 (4 units)	Human Factors in Landscape Architecture (4 units) Construction Drawing 2 (4 units)	Landscape Design 7: Advanced Design Studio (5 units) Capstone Project Seminar (3 units) Professional Practices in Landscape Architecture (2 units)	Capstone Project Studio (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.
- Students who began the program prior to Summer Quarter 2014 have a separate transition sequence, and should ask for individual advising.
- Laptop able to run the newest version of AutoCAD and Adobe Design Standard Suite is required before second quarter.

Landscape Architecture

For more information call (310) 825-9414, visit uclaextension.edu/landarch, or email 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 3 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.

Open-Enrollment Courses

Landscape Design 1: Site Design Basics

X 471.1A Architecture 4 units

Using the basic foundational concepts of landscape architectural site design, this course articulates space and form using models and sites. Emphasis is on understanding a design vocabulary and principles of order, arrangement of shapes in 2- and 3-dimensions, diagramming design ideas, appropriate use of scale and measurement, and creation of plan views, sections, elevations, and axonometric drawings. Through developing a design processes you will work with the site to create a unique responsive design. Projects and graphics are predominately hand drawn with use of color as well as production of 3D handcrafted models for volumetric clarity, and understanding 3-dimensional design and human scale. *Prerequisite:* X 472 Landscape Architecture: Introduction to the Landscape Professions and X 472.4D Design Graphics I: Drafting and Drawing of the Built Environment *Visitors not permitted. Internet access required to retrieve course materials.*

Reg# 261397CA

Through Dec 5: \$805 / After: \$880

Westwood: 314 1010 Westwood Center
Tue 7-10pm, Jan 5-Mar 22, 12 mtgs

No refund after Jan 12.

Nancy Giffin, landscape architect (CA 3874). For the last 20 years, Ms. Giffin has practiced landscape architecture as principal of her firm, Nancy Giffin Landscape Architecture. A graduate of the UCLA Extension Landscape Architecture Program, her practice covers mostly residential design.

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

X 472.4E Architecture 4 units

Students build upon drafting, lettering, and drawing techniques learned in Design Graphics 1. The second class in the series, it also concentrates on the graphic conventions for site analysis, conceptual design, design process, 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 site used in Design Graphics 1, located in Santa Monica, Tongva Park. 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:* X 472 Introduction to the Landscape Design Professions and X 472.4D Design Graphics 1. *Visitors not permitted. Internet access required to retrieve course materials.*

Reg# 261412CA

Through Dec 7: \$805 / After: \$880

Westwood: 314 1010 Westwood Center
Thu 7-10pm, Jan 7-Mar 24, 12 mtgs
No refund after Jan 14.

Rebecca Schwaner, MA, landscape designer, who is an Associate and Project Designer at Mia Lehrer + Associates. Ms. Schwaner's built work includes streetscapes, affordable housing environments, park and civic projects, and reclamation and restoration of habitat, all with emphasis on sustainable design strategies. In 2010 she was selected Outstanding Instructor in Arts, Landscape Architecture.

Landscape Design 2: Site Design

X 471.1B Architecture 4 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, pocket parks, etc.—and/or physically built (i.e., limited use of computer drafting, rendering, and 3D modeling). *Prerequisite:* X 471.1A Landscape Design 1 and X 472.4E Design Graphics 2, Candidacy in the Landscape Architecture Program. *Internet access required to retrieve course materials.*

Reg# 261402CA

Through Dec 6: \$805 / After: \$880

Downtown Los Angeles:
104 UCLA Extension DTLA, 261 S. Figueroa St.
Wed 7-10pm, Jan 6-Mar 23, 12 mtgs
No refund after Jan 13.

Glenn Takeshi Matsui, MLA, landscape architect (CA 4785), who has practiced landscape architect since 1974. Glenn Matsui Associates opened in 1984, offering services in the fields of landscape architecture, land planning, and environmental planning with projects ranging from residential and commercial design, research and development, hotels, and more.

Design Graphics 3: Digital Rendering and Presentation Drawings

X 472.4F Architecture 4 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 will fill out the sequence with a full graphic package that will encompass digital renderings, sections, and elevations. *Prerequisite:* X 472.4E Design Graphics 2 & X 471.1A Landscape Design 1, Candidacy in the Landscape Architecture Program. *Internet access required to retrieve course materials.*


Reg# 261366CA


Through Dec 4: \$909 / After: \$1,000


Westwood: 213 UCLA Extension Bldg.
Mon 6:30-10pm, Jan 4-Mar 21, 10 mtgs
(no mtg 1/18 & 2/15)
No refund after Jan 11.

Sheldon Nemoj, alumnus of the office of Charles Eames and honorary member of the Eames Foundation. Mr. Nemoj has worked extensively for major domestic and international clients and is also an author and seminar speaker.

 Online course

 Not available passed/not passed

 Text required

 Course held during daytime hours

Landscape Design 4: Environmental Analysis and Planning

X 472.9 Architecture 4 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:* ARCH X 471.2 Landscape Design 3 ARCH X 472.12A Grading and Drainage *Visitors not permitted. Internet access required to retrieve course materials.*

Reg# 261708CA

Through Dec 5: \$805 / After: \$880

Downtown Los Angeles:
104 UCLA Extension DTLA, 261 S. Figueroa St.
Tue 7-10pm, Jan 5-Mar 22, 12 mtgs
No refund after Jan 12.

Jim Pickel, BS, landscape architect (CA 4385). Mr. Pickel, ASLA, is a principal of MIG, Inc., and a licensed landscape architect in California and Texas with 30 years' experience in park and recreation planning and design, master planning, community facilitation and construction administration. He received his BS in Landscape Architecture from Cal Poly Pomona.

Alan Clarke, BLA, FASLA, landscape architect (CA 4590, HI 4431), who has practiced landscape architecture for more than 40 years in California, Hawaii, and throughout the tropics. An internationally respected landscape architect with special talents in resort, hotel, and commercial projects, he has created award-winning and highly recognized projects in more than 20 countries. Mr. Clarke has been the president of Tongg, Clarke & McCelvey since its creation in 1981.

Plant Materials: Shrubs

X 472.8B Architecture 4 units

One of the 2 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. *Visitors not permitted. Internet access required to retrieve course materials.*

Reg# 261707CA

Through Dec 9: \$805 / After: \$880

Westwood: 313 1010 Westwood Center
✳ Sat & Sun 9am-4pm, Jan 9; Feb 21; Mar 20
Field Trip: Location to be announced
✳ Sun 9am-4pm, Jan 10; Feb 20; Mar 19, 6 mtgs
No refund after Jan 9.

Frank L. Simpson, BSLA, MLA, who has extensive experience with sustainable landscape designs and workshops with the Council for Watershed Health. Mr. Simpson has worked with Cal Poly Pomona as an adjunct faculty, and created a mobile plant information app, PlantQuest, for the Rancho Santa Ana Botanic Gardens.

Irrigation/Water Conservation

X 472.12B Architecture 4 units

This course focuses on irrigation system design, specifications, and construction. Instruction emphasizes water conservation and techniques of efficient and appropriate application. Various systems and techniques are explored, as well as concepts for system modernization, reclamation, and water management. *Prerequisite:* X 472.12A Grading and Drainage or consent of Program Office; knowledge of AutoCAD. *Students should have their own version of AutoCAD. Laptop highly recommended. Visitors not permitted. Internet access required to retrieve course materials.*

→ → →

Reg# 261410CA

Through Dec 6: \$805 / After: \$880

Downtown Los Angeles:
103B UCLA Extension DTLA,
261 S. Figueroa St.
Wed 7-10pm, Jan 6-Mar 23, 12 mtgs
No refund after Jan 13.

Jeff Chamlee, BLA, landscape architect (CA 1736); Director of Productions for Architect Design Group. Mr. Chamlee is responsible for the development of all conceptual and construction drawings within the firm. With more than 35 years' experience in a diverse array of commercial, public, and private project types, his projects include Kenneth Hahn State Recreation Area in Los Angeles, Veterans Memorial Regional Park in Sylmar, Rancho Madera Community Park in Simi Valley, and Roxbury Memorial Park in Beverly Hills, among many others.

Advanced Graphics for Landscape Architecture

X 472.35 Architecture 4 units

Students must buy Adobe CS software; estimated printing costs are \$200.

In preparation for the advanced design sequence, this course reintroduces the rigorous production of graphic images through the design process. Using hand techniques, Photoshop and InDesign, with the Adobe Creative Cloud Suite students learn how to assemble, arrange, and modify drawings and images into final presentation boards and books. *Prerequisite:* X 472.9 Landscape Design 4: Environmental Analysis and Planning. *Laptop recommended. Visitors not permitted. Internet access required to retrieve course materials.*

Reg# 261625CA

Through Dec 6: \$909 / After: \$1,000

Westwood: 213 UCLA Extension Bldg.
Wed 7-10pm, Jan 6-Mar 23, 12 mtgs
No refund after Jan 13.

Laura Razo, BSLA, MLA, project manager/landscape designer, who has more than 13 years of professional experience as a landscape designer and project manager. Ms. Razo has worked in parks, schools, playgrounds, urban spaces, sports fields, streetscape, housing development, residential, nature trails, and Caltrans projects. She received her BS in Landscape Architecture (BSLA) from California State Polytechnic University, Pomona and received her MLA in 2015. She is presently working on her master's in Regenerative Studies.

Advanced Design Studio

X 472.8 Architecture 5 units

The Advanced Design Studio is a rehearsal for the rigors of the Capstone Project. The student explores a big idea and creates a program responding to a site (site chosen by instructor). Using the design process and site analysis, the student refines a program, selects goals and objectives, and prepares a design solution and documentation booklet. This course is a required prerequisite to the Capstone Proposal and Capstone Project. *Prerequisite:* ARCH X 472.19 Landscape Design 6 and ARCH X 472.23 Human Factors *Visitors not permitted. Internet access required to retrieve course materials.*

Reg# 261391CA

Through Dec 7: \$1,005 / After: \$1,100

Westwood: 304 1010 Westwood Center
Thu 6-10pm, Jan 7-Mar 24, 12 mtgs
No refund after Jan 14.

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. Jim is responsible for design, facility planning, and water and energy conservation of parks and open space for Los Angeles County, Parks and Recreation. Mr. Smith is a Commissioner on the Burbank Sustainable Commission and a member of the Urban Design and Healthy Community Design subcommittee.

Horticulture & Gardening Certificate



The Horticulture & Gardening program is uniquely designed to prepare beginning students with gardening fundamentals and enrich the careers of experienced professionals.

Whether you're looking to improve your soil health, identify native and non-native plant species, design your dream garden, grow the biggest tomato in your neighborhood, or explore or enhance your career opportunities in the field, the Horticulture & Gardening program will get you on your way.

Looking to lower your water bill and design a beautiful landscape? The Horticulture & Gardening program's course offerings can save you time and money by giving you the skills to design and maintain a beautiful low water, low maintenance landscape.

This certificate is designed for:

- Working landscape professionals
- Garden hobbyists
- Master gardeners
- Garden designers
- Landscape contractors

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.

Offered This Quarter

Students do not need to be enrolled in the certificate to take individual courses.

CORE COURSES

Bio X 494 Introduction to Horticulture

Bio X 424.4 Taxonomy and Plant Identification

Bio X 493.2 Soils and Fertilizers

ELECTIVE COURSES

Bio X 497.19 Planting Design for the Home Gardener

Bio X 497.35 Plant Propagation

Arch X 494.65 Sketching and Plant ID

Prepare for the LARE Exam

"I passed! Wouldn't have been able to do it without your help!"

— LARE prep student



Studying for the Landscape Architect Registration Exam (LARE) can be confusing and stressful, but UCLA Extension's highly regarded review program provides exceptional preparation for all areas of the exam.

Enroll today and gain the confidence and mastery you need to succeed!

LARE 1: Sat, Mar 12, 9am-5pm

LARE 2: Sun, Mar 13, 9am-5pm

LARE 3: Sun, Feb 28, 9am-5pm

LARE 4: Fri, Feb 26, 1-7pm

& Feb 27, 9am-5pm

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Our LARE Reviews offer:

- **Convenient schedules**—Sections 1, 2, and 3 are 1-day courses; Section 4 is 2 days.
- **Flexible enrollment options**—enroll in 1 review, or all 4.
- **3 essential keys to pass the exam**—subject matter mastery, problem-solving skills, and test-taking strategies.
- **Expert instruction**—by working landscape architects.

For More Information
uclaextension.edu.

NOW ONLINE

AutoCAD 2

X 493.6 Architecture 4 units

Landscape Architecture certificate students must take this course for unit credit; other students may choose either unit credit or 3.3 continuing education units.

This intermediate course covers the basics of managing axial images' relationships, creating and editing 3D drawings, file sharing and external references, and file management for construction drawings. Students learn about setting up files, drawing formats, and creating objects to increase the usability of their drawings for both themselves and others. Instruction emphasizes the student's ability to create and edit drawing files similar to those encountered in a planning or design office, such as land use plans, topographic site surveys, and sets of multidisciplinary construction drawings. *For technical requirements see page 4. Prerequisite: X 493.5 AutoCAD for Landscape Architects or X 493.992 Introduction to AutoCAD and X 472.4D Design Graphics I. Enrollment limited. Students must have their own copy of AutoCAD; student versions of the software may be downloaded for free upon proof of student status. Attendance at the first class is mandatory. This class does not support AutoCAD on the Mac.*

Reg# 261368CA

Through Dec 5: \$919 / After: \$1,010

Jan 5-Mar 22

No refund after Jan 12.

Sheila Thomas, MA, landscape architect (CA 2053); a Managing Director for Landrum & Brown Worldwide Services (L&B) who has more than 30 years' professional experience in planning, design, and management of multi-disciplinary projects, with more than 15 years of concentration in airport planning.

Special Offerings

Intensive Short Courses Offering Continuing Education Units

Sketching and Plant Identification

X 494.65 Architecture 3 units

This course is a supplement and compliment to the core program plant material courses.

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. *Elective course in Landscape Architecture, and Horticulture and Gardening. Students must provide their own transportation. Internet access required to retrieve course materials.*

Reg# 261821CA

Through Dec 24: \$605 / After: \$660

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

☀ Sun 10am-4pm, Jan 24

Field Trip: Location to be announced

☀ Sun 10am-4pm, Jan 31-Feb 7

☀ Sat 10am-4pm, Feb 13, 4 mtgs

No refund after Jan 22.

David W. Squires, MA in Architecture and Urban Design, UCLA; BS in Landscape Architecture and Regional Planning, Washington State University. Mr. Squires is the principle of AroundYOU, a multi-disciplinary studio offering Master Planning, Solar Planning, Architectural Design Landscape Architecture, and Garden Design. His work ranges from renovations, garden design, to master planning of international theme parks and resorts.

For More Information

(310) 825-7093 | mmcdonald@uclaextension.edu

Introduction to SketchUp for Landscape Architects (Laptop)

X 493.777 Architecture 2 units

Landscape Architecture certificate students must take this course for Credit-Letter Grade. Students required to bring their own laptop computers to class.

This 3-day workshop is designed to teach working professionals and students about SketchUp, a software program specifically geared toward landscape architects, architects, and planners. Students learn the various ways SketchUp can be used to design, analyze, and present information and projects. Internet access required to retrieve course materials. Students must purchase and install student version of SketchUP Pro on laptops prior to first class meeting.

Reg# 261827CA

Through Jan 27: \$405 / After: \$440

Westwood: 413 1010 Westwood Center

☼ Sat 9am-4pm, Feb 27-Mar 12, 3 mtgs

No refund after Feb 26.

Francisco Behr, BArch, AIA, architect (CA 14634); as President and Director of Design at Behr Browers Architects Inc., Mr. Behr has more than 25 years of design and planning experience. His firm has won numerous design awards over the past 20-plus years, and has been responsible for planning many of Ventura County's largest properties. Currently, he holds architectural licenses in the states of California, Colorado, and Pennsylvania. Mr. Behr has been an instructor for UCLA Extension's Landscape Architecture Program for the past 22 years.

LARE Review Workshops

LARE Section 1: An Intensive Review

747 Architecture

Designed for students who are preparing to take the LARE Section 1: Project and Construction Administration, this workshop covers the knowledge and skills associated with regulations, contracts, and construction administration processes. Advance enrollment required; no enrollment at the door.

Reg# 261539CA

Through Feb 12: \$275 / After: \$302

Westwood: G33E UCLA Extension Bldg.

☼ Sat 9am-5pm, Mar 12, 1 mtg

No refund after Mar 11.

Angela Woodward, BSLA, landscape architect (CA 2126). A seasoned professional with more than 30 years' experience practicing landscape architecture in California and Arizona, Ms. Woodward has specialized in municipality projects and infrastructure projects. She also served as past President of the American Society of Landscape Architecture (ASLA), Southern California Chapter.

LARE Section 2: An Intensive Review

748 Architecture

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. Advance enrollment required; no enrollment at the door.

Reg# 261540CA

Through Feb 13: \$275 / After: \$302

Westwood: G33E UCLA Extension Bldg.

☼ Sun 9am-5pm, Mar 13, 1 mtg

No refund after Mar 11.

Angela Woodward, for credits see page 123.

LARE Section 3: An Intensive Review

749 Architecture

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. Advance enrollment required; no enrollment at the door. Students are expected to bring basic drafting supplies, trace paper, and a calculator to class for this course.

Reg# 261541CA

Through Jan 28: \$275 / After: \$302

Westwood: G33E UCLA Extension Bldg.

☼ Sun 9am-5pm, Feb 28, 1 mtg

No refund after Feb 26.

Angela Woodward, for credits see page 123.

LARE Section 4: An Intensive Review

750 Architecture

Designed for students preparing to take LARE Section 4: 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. Advance enrollment required; no enrollment at the door. Students are expected to bring basic drafting supplies, trace paper, and a calculator to class for this course.

Reg# 261542CA

Through Jan 26: \$485 / After: \$530

Westwood: G33E UCLA Extension Bldg.

☼ Fri 1-7pm, Feb 26

☼ Sat 9am-5pm, Feb 27, 2 mtgs

No refund after Feb 25.

Angela Woodward, for credits see page 123.

Horticulture & Gardening

Enrollment is open to anyone interested in learning the science of horticulture or the common techniques of successful gardening. For Horticulture and Gardening Certificate information, visit uclaextension.edu/horticulture.

Core Courses

Introduction to Horticulture

X 494 Biology 4 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. Core course in Horticulture and Gardening Certificate. Internet access required to retrieve course materials. 📖

Reg# 261423CA

Through Dec 4: \$505 / After: \$550

Westwood: 119A Extension Gayley Center, 1145 Gayley Ave.

Mon 7-10pm, Jan 4-Mar 21

Field Trip: Location to be announced

☼ Sat 9am-12pm, Feb 20-Mar 19, 12 mtgs

(no mtg 1/18, 2/15)

No refund after Jan 11.

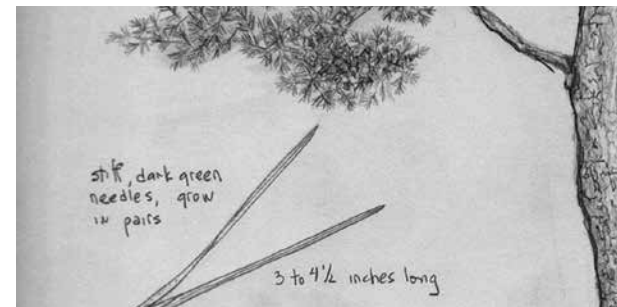
Richard Thomas Hayden, BA, University of Michigan; Head Gardener at the Natural History Museum of Los Angeles County.

Sketching & Plant Identification

In this unique field-trip focused course, students will develop their skill of observation and knowledge of plant details in different locations. Instructor will augment classes with site-specific knowledge of practical uses of plants in the garden, and discuss planting conditions, design, and more.

All skill levels are welcome; no homework assigned!

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Black Pine by Claudia Fucigna.

Class meetings around town, 10am - 4pm

Sun, Jan 24, San Gabriel Nursery and Florist

Sun, Jan 31, Earl Burns Miller Japanese Garden

Sun, Feb 7, Getty Center

Sat, Feb 13, Valley Crest Tree Company

For More Information

uclaextension.edu/landarch | (310) 825-9414

LandscapeArchitecture@unex.ucla.edu

Soils and Fertilizers

X 493.2 Biology 4 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: X 496.2 General Botany for Gardeners or X 494 Introduction to Horticulture. Internet access required to retrieve course materials. 📖

Reg# 261537CA

Through Dec 7: \$505 / After: \$550

Westwood: 119A Extension Gayley Center, 1145 Gayley Ave.

Thu 7-10pm, Jan 7-Mar 24, 12 mtgs

No refund after Jan 14.

Gretchen Renshaw, horticulturist and Director, Manhattan Beach Botanical Garden

Plant Taxonomy and Identification

X 424.4 Biology 4 units

In this course, species of trees, shrubs, wildflowers, and weeds—both native and non-native—are identified using living plant material and keys. Topics include botanical terminology, characteristics of major families, classification of plants, and the structure and use of plant identification keys. The course also covers how plants are named as well as how and why they are grouped together. Prerequisite: X 496.2 General Botany for Gardeners (preferred) or X 494 Introduction to Horticulture. Core course in Horticulture and Gardening Certificate. Internet access required to retrieve course materials. 📖

Reg# 261415CA

Through Dec 5: \$505 / After: \$550

Westwood: 119A Extension Gayley Center, 1145 Gayley Ave.

Tue 7-10pm, Jan 5-Mar 22

Field Trip: Location to be announced

☼ Sun 9am-12pm, Jan 24-Feb 21, 12 mtgs

(no mtg 1/26 & 2/23)

No refund after Jan 12.

Valerie Wong, PhD, Plant and Microbial Biology, UC Berkeley, where she studied fungal genetics and non-photosynthetic plants from California's Sierra Nevada. 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.

📖 Online course

❖ Not available passed/not passed

📖 Text required

☼ Course held during daytime hours

Horticulture & Gardening Certificate Program

Quarterly Curriculum Sequence

Students Can Begin the Program at Any Time

Core

Spring	Summer	Fall	Winter
General Botany for Gardeners (4 units) (also offered in the Fall) Gardening Practices and Techniques (4 units)	Introduction to Horticulture (4 units) (also offered in the Winter)	Horticultural Pest Control (4 units) Plant Materials for Landscape Use (4 units)	Soils and Fertilizers (4 units) Plant Taxonomy and Identification (4 units)

Elective

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

- 8 elective units must be inserted into the curriculum.

For More Information

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

Free Open House!

The Horticulture & Gardening Certificate Program

Sat, Feb 13, 9-10:30am, 119 Extension Gayley Center

Advance your career in the landscape industry by enrolling in the Horticulture & Gardening Program. 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.

The program is uniquely designed for garden hobbyist as well as industry professionals. Most classes offer hands-on components and local fieldtrips.

To find out more, attend our informative Open House to learn 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.

For more information, contact **Melissa McDonald** at (310) 825-9414, mmcdonald@uclaextension.edu.

Course Discount

Each student who attends the Open House receives a \$50 discount on core courses:

X 496.2 General Botany for Gardeners

X 497.5 Gardening Practices and Techniques

Elective Courses

Sketching and Plant Identification

X 494.65 Architecture 3 units

This course is a supplement and complement to the core program plant material courses.

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. *Elective course in Landscape Architecture, and Horticulture and Gardening. Students must provide their own transportation. Internet access required to retrieve course materials.* 📖

Reg# 261821CA

Through Dec 24: \$605 / After: \$660

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

☀ Sun 10am-4pm, Jan 24

Field Trip: Location to be announced

☀ Sun 10am-4pm, Jan 31-Feb 7

☀ Sat 10am-4pm, Feb 13, 4 mtgs

No refund after Jan 22.

David W. Squires, for credits see page 122.

Planting Design for the Home Gardener

X 497.19 Biology 4 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 2 field trips to successfully established Los Angeles-area gardens. *Elective course in Certificate Program in Gardening and Horticulture. Internet access required to retrieve course materials.* 📖

Reg# 261572CA

Through Dec 6: \$505 / After: \$550

Westwood: 314 1010 Westwood Center
Wed 6:30-9:30pm, Jan 6-Mar 16

Field Trip: Location to be announced

☀ Sat 9am-12pm, Feb 20-Mar 5, 12 mtgs
(no mtg 3/9)

No refund after Jan 13.

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.

Plant Propagation for Gardeners

X 497.35 Biology 4 units

This course emphasizes both the science and art of plant propagation. Learn the science behind plant propagation and then apply that knowledge by propagating a wide variety of plants. Hands-on exercises cover a multitude of propagation methodologies and demonstrate different tools and techniques. Participants practice these techniques in class to assimilate the art of propagation. Held at The Learning Garden at Venice High School, one of the country's largest and most successful school gardens. *Elective course in Horticulture and Gardening Certificate. Internet access required to retrieve course materials.* 📖

Reg# 261851CA

Through Dec 10: \$505 / After: \$550

Venice: Venice High School, 13000 Venice Blvd.

☀ Sun 1-5pm, Jan 10-Mar 20

☀ Sat 8am-12pm, Feb 13, 9 mtgs

(no mtg 1/24, 2/14 & 2/21)

No refund after Jan 15.

David King, Gardenmaster/Director, The Learning Garden Foundation