



SUMMER QUARTER 2022

COURSE OFFERINGS

June 20–September 4





Visit the

UCLA Extension

Website

UCLA Extension's

Course Delivery

Options

For additional course and certificate information, visit uclaextension.edu.

► Search

Use the entire course number, title, **Reg#**, or keyword from the course listing to search for individual courses. Refer to the next column for a sample course number (A) and **Reg#** (D). Certificates and Specializations can also be searched by title or keyword.

► Browse

Choose "Courses" from the main menu to browse all offerings.

► View Schedule & Location

From your selected course page, click "View Course Options" to see offered sections and date, time, and location information. Click "See Details" for additional information about the course offering. *Note:* When Online, Remote Instruction, and/or Hybrid sections are available, click the individual tabs for the schedule and instructor information.

► Enroll Online

Our shopping cart-style checkout is fast and **available 24 hours a day**.

► Enroll by Phone

Call (800) 825-9971 Monday–Friday, 8am–5pm; use American Express, Discover, JCB, MasterCard, or Visa.

❖ In-Person

All class meetings are taught in-person, with the instructor and all students in the same physical classroom.

* Remote

All class meetings are scheduled and held online in real-time via Zoom. Course materials can be accessed any time through an online learning platform.

🌐 Online

Course content is delivered through an online learning platform where you can engage with your instructor and classmates. There are no required live meetings, but assignments are due regularly.

🎧 Hybrid (In-Person)

A blend of in-person class meetings and online or remote instruction—may include scheduled Zoom meetings and/or course content tailored for online learning.

📺 Hybrid (Remote)

Offered fully online, this blend of remote and online instruction features live class meetings via Zoom and additional course content tailored for online learning.

➕ Hybrid (Flexible):

Attend scheduled class meetings in person or online. Live instruction is held in a physical classroom and students may elect to join all class meetings either in person or remotely via Zoom.

🌐 Web-Enhanced Course

Internet access required to retrieve course materials.

Course Schedules

Delivery format and/or 'remote' meeting times listed are subject to change. Please refer to the UCLA Extension website, uclaextension.edu, for up-to-date course information.

Asynchronous: students engage a variety of learning materials posted on Canvas (that may include lectures, interactive discussion boards and quizzes) and interact with the instructor and other students using messaging tools.

Synchronous: instruction occurs in-real time during a live, pre-scheduled Zoom session(s) where instructors and students interact.

► Course Times

All times quoted in this document's course descriptions are Pacific Time.

ACADEMIC CALENDAR

Summer Quarter 2022
Classes begin June 21.
Enrollment begins April 25.

Fall Quarter 2022
Classes begin September 19.
Enrollment begins July 25.

Winter Quarter 2023
Classes begin January 9.
Enrollment begins November 7.

Spring Quarter 2023
Classes begin April 3.
Enrollment begins February 6.

CONTACT US

By Email:
enroll@uclaextension.edu

By Mail:
UCLA Extension
1145 Gayley Avenue
Los Angeles, CA 90024-3439

In Person:
UCLA Extension
1145 Gayley Avenue
Monday–Friday, 8am-5pm
(800) 825-9971

LANDSCAPE ARCHITECTURE & HORTICULTURE

For more information call (310) 825-9414.

Landscape Architecture

For more information call (310) 825-9414 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 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 751

Landscape Architecture Information Session

Alumni, current students, and program instructors are on hand at this free information session to answer any questions you may have regarding the program. If you are interested in becoming a landscape designer or a landscape architect, sign up today! Virtual information session is from 9:30-11:30am. Program director discusses path to licensure, program curriculum, financial aid, and career opportunities. Don't miss this opportunity to get tons of information about the profession and how you can start a new career. We are offering discounts on select courses for new students who attend the information session.

Reg# 386716

Fee: \$0

No refund after 30 July.

* Remote

1 mtg

Saturday, 9:30-11:30am, July 30

Remote Classroom

Free Program Information Session/Open House.

Live virtual event via Zoom.

Stephanie Landregan, BA, landscape architect (CA 4093)

ARCH X 472

Introduction to the Landscape Design Professions

4.0 units

This introductory course covers the history, scope, types, and scale of landscape design professions; licensure; professional societies; and current issues. Terminology, construction concepts, basic graphic skills, and model-making are also introduced.

Reg# 386718

Fee: \$950

No refund after 28 June.

* Remote

12 mtgs

Wednesday, 7-10pm, June 22-Sept. 7

Remote Classroom

Steve Lang, managing principal of the Southern California office of Moore Iacofano Goltman (MIG) in Fullerton. Specializing in park and recreation planning and design, Mr. Lang has been actively involved in award-winning projects for more than 35 years.

ARCH X 472.4D

Design Graphics 1: Drafting and Drawing of the Built Environment

4.0 units

Students learn introductory drafting, lettering, and drawing techniques as they relate to the field of Landscape Architecture and professional standards. All work product is developed from Tongva Park, a real site located in Santa Monica. At the end of this course, students make a presentation to the instructor and visiting guests. The students present a package of work product that includes hand drafting of a dimensioned site plan, section/elevations, and perspective vignettes.

Reg# 386722

Fee: \$950

No refund after 27 June.

Hybrid (In-Person)

11 mtgs

Saturday, 9am-12pm, June 18

Remote Classroom

Tuesday, 6:30-9:30pm, June 21-Aug. 2

Remote Classroom

Saturday, 9am-5pm, Aug. 13

Field Trip

Tuesday, 6:30-9:30pm, Aug. 16

Remote Classroom

Saturday, 9am-5pm, Aug. 27

UCLA Extension Lindbrook Center: 10920 Lindbrook Dr.

In-person field trip to Tongva Park on Saturday, Aug. 13 required.

In-person studio on Saturday, Aug. 27 required.

Two webcams required for this drafting course, cell phone camera is not allowed.

Articulating Arm for camera mount required.

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.

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.

ARCH X 471.2

Landscape Design 3: Advanced Site Design

5.0 units

This course introduces the student to the landscape architectural design process, emphasizing site inventory, analysis, program, design process, and concept development. Projects are mid- to large-scale sites you can actually visit, such as civic plazas, freeway capping projects, downtown urban redevelopment, etc. The design program for each project is defined by the instructor. Presentation graphics are both hand-drawn and/or physically built. Students also use computer modeling, rendering, 3D modeling, InDesign, Sketchup, and Photoshop. Final presentation products utilize hand graphics with blended use of CAD and 3D modeling as background support only.

Prerequisite(s): ARCH X 471.1A Landscape Design 1; ARCH X 471.1B Landscape Design 2; ARCH X 472.4F Design Graphics 3. Candidacy in the Landscape Architecture Program.

Reg# 386717

Fee: \$1,185

No refund after 29 June.

Hybrid (In-Person)

12 mtgs

Thursday, 6-10pm, June 23-Aug. 25

Remote Classroom

Saturday, Sunday, 10am-2pm, June 25-26

Field Trip

Required in-person field trips: Orange County, Saturday, June 25; Thousand Oaks, Sunday, June 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. Mr. Behr has been an instructor for UCLA Extension's Landscape Architecture Program for the past 22 years.

ARCH X 493.992

AutoCAD 1

4.0 units 3.3 CEUs

This course introduces students to the fundamentals of AutoCAD, as well as how to apply and manage the tool. Students who successfully complete the course acquire a good foundation upon which they may further develop the tool. While instruction is directed toward landscape architecture, those in related disciplines also should find the course valuable.

Prerequisite(s): Basic knowledge of computers.

Reg# 386724

Fee: \$1,075

No refund after 28 June.

* Remote

11 mtgs

Wednesday, 6:30-9:30pm, June 22-Aug. 31

Remote Classroom

Students must have access to most recent version of AutoCAD software; student versions of the software may be downloaded for free upon proof of student status. This course does not support AutoCAD on Mac computers.

Visitors not permitted.

Victor Corona, AIA, who is a registered architect in the state of California (C25767). Mr. Corona is principal of VMC-architecture, interactive architecture, and interior design firm in Stevenson Ranch, CA. He is a member of the American Institute of Architects, Los Angeles Chapter.

ARCH X 472.6A

History of the Designed Landscape

4.0 units

The Landscape Architecture Program's history course comprises the study of the evolution of landscape design through Western civilization. Lectures cover the outstanding examples of landscape garden design and their relationships to art and architecture, as well as the philosophical, social, political, and historical forces that influenced the designed environment. Instruction includes extensive visual materials.

Reg# 386723**Fee: \$950***No refund after 27 June.*

June 21-Aug. 30

JC Miller, who is a partner and principal at Vallier Design Associates in Point Richmond, California. He is a licensed landscape architect with a keen interest in the processes, especially the ethical frameworks, which guide the creation of the built environment. He is the former director for the Landscape Architecture Program at UC Berkeley Extension.

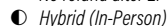
ARCH X 472.19

Landscape Design 6: Concept Development

4.0 units

This course explores the use of drawings as tools for visualization and design development. The focus is on developing an ability to use drawings to model and manipulate visual information throughout the various stages of design evolution. Techniques for examining ideas and concept alternatives through composite, perspective, orthographic, and axonometric drawings are explored. Lectures present examples of built projects and methods of recognized professionals, which illustrate the dramatic influence drawing type may have on the final form or organization of a design. The course requires intensive drawing time; students must have already mastered basic drafting and sketching skills.

Prerequisite(s): X 472.9 Landscape Design 4: Environmental Analysis and Planning.

Reg# 387542**Fee: \$950***No refund after 27 June.*

Hybrid (In-Person)

11 mtgs

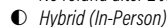
Tuesday, 7-10pm, June 21; July 5-19; Aug. 2-30

Remote Classroom

Sunday, 11am-3pm, June 26; July 24

UCLA Extension Lindbrook Center: 10920 Lindbrook Dr.

Steven Chavez, Steven Chavez is a licensed landscape architect and Founding Principal of SCA-LARC. He received a Bachelor of Landscape Architecture from the University of Washington and an MFA in Photography with an emphasis on urban landscapes from the University of Ulster. Mr. Chavez's core interest is designing high-use public and civic spaces.

Reg# 386721**Fee: \$950***No refund after 2 July.*

Hybrid (In-Person)

12 mtgs

Sunday, 10am-3pm, June 26; July 24

Field Trip

Sunday, 9am-12pm, July 10-17; July 31-Aug. 28; Sept. 11

Remote Classroom

Tuesday, 6-9pm, July 12

Remote Classroom

Wednesday, 6-8pm, Sept. 14

Remote Classroom

Required in-person field trips: Eastvale City Hall, Sunday, June 26;

July 24.

Visitors not permitted.

Charles Ware, BSLA, Ohio State, 1985; MLAUD, Virginia Tech, 1987; MArch, Sci-Arc, 2008. Chuck recently authored an award-winning textbook titled *Landscape Architecture Documentation Standards: Principles, Guidelines, and Best Practices*.

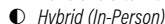
ARCH X 472.12B

Irrigation/Water Conservation

4.0 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(s): X 472.12A Grading and Drainage, X472.5 Landscape Design 5: Planting Design, and X 493.6 AutoCAD 2.

Reg# 386719**Fee: \$950***No refund after 29 June.*

Hybrid (In-Person)

11 mtgs

Thursday, 7-10pm, June 23; June 30-July 21; July 28-Aug. 18

Remote Classroom

Saturday, 9am-12pm, June 25; July 23

UCLA Extension Gayley Center: 1145 Gayley Ave.

Two required in-person class meetings.

Students should have their own student version of AutoCAD.

Visitors not permitted.

Nickolas Straabe, A registered landscape architect in California. In his current role as Specification Manager at Hunter Industries, Nick works closely with landscape architects throughout Southern California to design efficient irrigation and low voltage landscape lighting systems

Jason Wan, BS in Landscape Architecture from Cal Poly Pomona; specifications manager at Hunter Industries, specializing in irrigation design with a emphasis on water conservation; ASLA member.

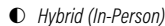
ARCH X 472.15D

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 prepares for weekly critiques and meets 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# 386720**Fee: \$2,380***No refund after 29 June.*

Hybrid (In-Person)

24 mtgs

Thursday, Monday, 6-10pm, June 23-30; July 11-Aug. 18;

Aug. 22-29

Remote Classroom

Thursday, 6-10pm, July 7; Sept. 1

UCLA Extension Gayley Center: 1145 Gayley Ave.

Saturday, 9am-1pm, July 9; Aug. 20

UCLA Extension Gayley Center: 1145 Gayley Ave.

Saturday, Sunday, 8am-3pm, Sept. 10-11

UCLA Extension Gayley Center: 1145 Gayley Ave.

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.

Enroll at uclaextension.edu or call (800) 825-9971

ARCH X 496.2

Beginning Stormwater Management

2.0 units

Sustainable site planning requires understanding and calculating storm events and designing landscapes to capture, hold, and infiltrate stormwater through landscape designs that focus on several methods, from on-site retention and cisterns to green infrastructure, such as swales. This course showcases unique designs and describes the methods and calculations used to design stormwater BMPs for a site to appropriately accommodate seasonal stormwater within the Southern California region. This course covers the California and City of Los Angeles regulatory requirements for stormwater and provides an overview of stormwater plan design hydrologic/hydraulic concepts, environmental site design, and non-proprietary stormwater BMPs, including critical design elements and typical stormwater plan compliance strategies.

Reg# 386725**Fee: \$550***No refund after 17 July.*

Remote

6 mtgs

Monday, 7-10pm, July 11-Aug. 15

Remote Classroom

Elective course in the Landscape Architecture Program.

Recommended that students are familiar with Grading and Drainage practices prior to enrollment.

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.

Horticulture & Gardening

Enrollment is open to anyone interested in learning the science of horticulture or the common techniques to successful gardening.

For more information call 310-825-9414 or email at horticulture@uclaextension.edu.

BIOLGY 751

Horticulture & Gardening Information Session

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.

Reg# 386712**Fee: \$0***No refund after 23 July.*

Remote

1 mtg

Saturday, 1-2:30pm, July 30

Remote Classroom

Free Program Information Session/Open House.

Zoom presentation starts promptly at 1pm.

Stephanie Landregan, BA, landscape architect (CA 4093)

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. A course project is required for all credit students.

Reg# 386715**Fee: \$650***No refund after 28 June.*

Remote

11 mtgs

Wednesday, 6:30-8:30pm, June 22-Aug. 31

Remote Classroom

Core course in Horticulture Certificate.

Visitors not permitted.

Joshua Rosen, who is a licensed landscape architect passionate about the use of a diverse, climatically-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.

BIOLOGY X 499.97

Introduction to Irrigation Practices

4.0 units

As irrigation technology becomes more advanced, and water becomes scarcer, appropriate water application for plants is critical. Students learn how to design and prepare a residential irrigation plan. Instruction covers foundation in hydraulic design; efficient drip line layout; appropriate use of backflow prevention devices; water conservation methods and applications; and available new technologies, such as weather station ET-based controllers and the application of design principles to comply with the State of California AB-1881 Water Model Efficient Landscape Ordinance.

Prerequisite(s): Fundamental knowledge of plants and their water requirements is recommended.

Reg# 386769**Fee: \$650***No refund after 27 June.*❖ **In-Person**

11 mtgs

Tuesday, 6:30-9:30pm, June 21-Aug. 30

UCLA Extension Gayley Center: 1145 Gayley Ave.

No required textbooks. 🌐 📖

Zsolt Felenyi, Landscape maintenance instructor, Certified Landscape Irrigation Auditor, ISA Certified Arborist. He has been practicing and teaching horticulture for the past 25 years while also promoting water conservation.

BIOLOGY X 498.2

Horticultural Pest Management

4.0 units

This course covers the identification and management of common garden insects, diseases, and weeds common in the California landscape. 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# 386768**Fee: \$650***No refund after 6 July.** **Remote**

11 mtgs

Thursday, 6:30-9:30pm, June 30-Sept. 8

Remote Classroom

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

BIOLOGY 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# 386710**Fee: \$650***No refund after 3 July.** **Remote**

9 mtgs

Monday, 6:30-9pm, June 27-Aug. 29

Remote Classroom

No meeting July 4. 🌐

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.

BIOLOGY X 465.33

Indoor Plants: Care and Maintenance

4.0 units

Plants add color, texture, and warmth to indoor spaces. They improve air quality and add a natural and living element to a room's design. Whether you are looking to expand your indoor plant collection, just getting started with your first plant, or looking for answers to your many plant problems, this course focuses on the fundamental aspects of growing plants indoors. Instruction includes properly identifying fifty plants that do well in an indoor environment and their specific cultural requirements. The course of study also covers understanding indoor environments, which is fundamental when choosing plants that will have the most success. This course covers common indoor plant pests, diseases, watering techniques, artificial and natural lighting, humidity, temperature, etc.

Reg# 386713**Fee: \$650***No refund after 27 June.*🌐 **Online**

June 21-Aug. 30 🌐 📖

Leslie F. Halleck, Certified Professional Horticulturist (ASHS) has spent a nearly-thirty-year career hybridizing horticulture science with home gardening consumer needs. Halleck earned a BS in Biology/Botany from the University of North Texas and an MS in Horticulture from Michigan State University

BIOLOGY 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# 386714**Fee: \$650***No refund after 29 June.** **Remote**

11 mtgs

Thursday, 6:30-9:30pm, June 23-Sept. 1

Remote Classroom

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

Jill Morganelli, BS in Horticulture and Food Crop Production from Colorado State University; horticultural supervisor of the Los Angeles County Arboretum & Botanic Garden for 10 years (retired).

Course Icons Provide Information At-a-Glance

❖ **IN-PERSON**, page 1.* **REMOTE**, page 1.🌐 **ONLINE**
Technical requirements, page 1.🌐 **HYBRID (IN-PERSON)**, page 1.📖 **HYBRID (REMOTE)**, page 1.🌐 **WEB-ENHANCED COURSE**, page 1.📖 **TEXTBOOK REQUIRED**
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May be transferable to other colleges and universities. Learn more on our *website*.