



Agriculture & Landscape

“In the spring, at the end of the day, you should smell like dirt.”

Margaret Atwood
Canadian writer and novelist

You toil in the backyard soil to grow organic tomatoes. Or perhaps, you're responsible for maintaining that emerald green multi-million dollar golf course.

Either way, our agricultural experts will teach you how to transform a handful of seeds into a blanket of grass, dream garden, vineyard or orchard.

Home gardeners and serious scientists need enroll.

- **Certificate in Turfgrass Management**
Get into the green industry. Learn the science and culture of fine grasses that are used on golf courses, athletic fields, and other areas requiring an attractive groundcover.
- **Certificate in Landscape Irrigation**
Don't let those plants go thirsty again. Learn the most efficient, inexpensive, and environmentally sound irrigation practices currently used in the industry.

For certificate programs and contact information, see page 13.

“Even though I have been in the Turfgrass industry for 15 years, I found the classes at UCR Extension to be very challenging and informative. I use much of what I have learned every day to improve our campus.”

Michael Ricks
Lead Landscaping Supervisor
California State University,
Long Beach

Rising Star
Michael Ricks



Home Gardening

Anyone Can Grow Orchids

Basic orchid culture, including light, temperature, watering, fertilization and potting. A field trip provides students a look at orchids in a home garden and an opportunity to re-pot their own orchids.

Dwane Mickelson, Master Gardener, Riverside

Date/Time: Thurs. 6-9 p.m. & Sat. 9 a.m.-noon, Mar. 26 & 28 (2 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$59 / \$49 multiple enrollment discount (one person in two or more gardening courses or two or more people in one gardening course) (includes parking)

Plant Sciences 863

☐ **Reg #083-SCA-A31**

Growing Blueberries, Raspberries & Blackberries for Home Gardens

Cultural requirements of blueberries, such as acidic, well-drained organic soils and some chilling, and shading raspberries and blackberries in southern California to extend their production throughout the hot summers. A field trip to view a blueberry variety and raspberry planting and tasting is included.

Note: Saturday session is a field visit to a berry garden.

Seymour D. Van Gundy, Ph.D., Dean Emeritus, College of Natural and Agricultural Sciences, UCR

Date/Time: Fri., 6-9 p.m. & Sat. 9 a.m.-noon, May 8 & 9 (2 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$59 (includes parking and a CD with resources)

Plant Sciences 872.1

☐ **Reg #084-SCA-A33**



NEW Grafting and Budding Citrus Trees

Rootstock and scion selection, staking and training trees, and preventing the spread of infectious citrus diseases. Attendees may select disease-free budwood of their choice from an extensive list of varieties to establish their own trees.

Note: Participants must bring a budding knife for hands-on activity. Enrollment is limited. Exact field location on UCR Campus will be sent to participants prior to class meeting.

Toni J. Siebert, B.S., Research Associate, Citrus Variety Collection, UC Riverside

Date/Time: Sat. 9 am-noon, May 16 (1 meeting)

Location: UC RIVERSIDE: Main Campus, Room to be announced, 900 University Ave.

Fee: \$45

Preregistration: Requested by May 14.

Plant Sciences 86134

Reg #084-SCA-A35



Landscape Irrigation

Scheduling Landscape Irrigation Applications

Balancing plant water use, soil water-holding capacity and rooting depths to sprinkler distribution uniformity and precipitation rates to minimize water and energy consumption and maximize landscape plant growth and appearance. Effects of solar radiation, temperature, wind speed and humidity. Plant crop coefficients, plant density and microclimates.

Note: The class located at the UCR Extension Center is a live videoconference originating from a site in Palm Desert.

Prerequisite: Pls. X425, Introduction to Landscape Irrigation; Pls. X425.1, Soil-Water-Plant Relationships; Pls. X425.2, Landscape Sprinkler System Design and Installation; or department approval.

Required for Certificate in Landscape Irrigation

H. Spencer Knight, B.S., Certified Landscape Irrigation Auditor, Landscape Manager, city of Palm Desert

Credit: 3 units

Date/Time: Wed. 6-9:30 p.m., Apr. 15-Jun. 3 (8 meetings)

Location: PALM DESERT: UCR Palm Desert, 75-080 Frank Sinatra Dr.

Fee: \$479 (Includes materials)

Plant Sciences X425.6

Reg #084-SCA-A45

Date/Time: Wed. 6-9:30 p.m., Apr. 15-Jun. 3 (8 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$479 (Includes materials)

Plant Sciences X425.6

Reg #084-SCA-A46

Soil-Water-Plant Relationships

Physical properties of soil and their roles in shaping soil-wetting patterns. Differences in landscape plant anatomy and physiology in relation to plant water use. Soil factors determining irrigation schedules, methods of measuring and modifying soil moisture content, and environmental and physiological determinants of landscape plant-water requirements.

Note: This class is a live videoconference originating from a site in Palm Desert.

Required for Certificate in Landscape Irrigation

Donald R. Ackley, M.S., Water Management Specialist, Coachella Valley Water District

Credit: 3 units

Date/Time: Mon. 6-9:30 p.m., Apr. 13-Jun. 8 (no meeting May 25) (8 meetings)

Location: PALM DESERT: UCR Palm Desert, 75-080 Frank Sinatra Dr.

Fee: \$479

Plant Sciences X425.1

Reg #084-SCA-A41

Date/Time: Mon. 6-9:30 p.m., Apr. 13-Jun. 8 (no meeting May 25) (8 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$479

Plant Sciences X425.1

Reg #084-SCA-A42

Green Industry Career Consultation

If you would like information on careers in the green industry and how our programs can benefit you, please call (951) 827-5804 or e-mail sciences@ucx.ucr.edu to set up a consultation.

Specialized Continuing Education Credit Available on Some Courses

The following courses are approved for various continuing education hours:

- **Pesticide Use on Turfgrass and Ornamental Plants**, page 13

For more information, call (951) 827-5804 or e-mail sciences@ucx.ucr.edu.

Landscape Irrigation Program Offered in Riverside and Palm Desert

Online video conferencing is available for most classes in the Landscape Irrigation program. Students can access classes held at the UCR Palm Desert campus via two-way interactive video conferencing available at UCR Extension Center, 1200 University Ave.

Plant Studies

Small Vineyard Management

Preplanting considerations, planting, training, trellising, irrigation and other aspects of growing winegrapes. Seasonal operations including pruning, pest control, irrigation, canopy management and harvesting. Demonstration of small tools and other equipment.

Note: Students will meet at Mt. Palomar Winery for lecture and afternoon field visit.

Robert Scharpf, Ph.D., is a retired research plant pathologist who spent over 30 years studying diseases of forest trees in the western United States.

Credit: .6 CEU

Date/Time: Sat. 9 a.m.-4 p.m., May 2 (1 meeting)

Location: PALOMAR: Mt. Palomar Winery, 33820 Rancho California Rd.

Fee: \$179 (includes materials)

Plant Sciences 825

Reg #084-SCA-A40

Turfgrass Management

LIVE WEBCAST

Principles of Plant Growth

Physical and biological principles of plant processes involving assimilation, metabolism and regulation of growth and development. Function of internal plant structures, such as cells and tissues, and of organs such as roots and their relation to soils. Effects of plant hormones and mechanisms that protect plants from environmental stressors.

Elective for Certificate in Turfgrass Management

Steve Ries, M.S., Research Associate, Agricultural Operations, UC Riverside

Credit: 3 units

Date/Time: Thurs. 6-9 p.m., Apr. 9-Jun. 11 (10 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$479

Plant Sciences X115

Reg #084-SCA-A17

Date/Time: Thurs. 6-9 p.m., Apr. 9-Jun. 11 (10 meetings)

Location: Live Webcast

Fee: \$479

Plant Sciences X115

Reg #084-SCA-A18

LIVE WEBCAST

Pesticide Use on Turfgrass and Ornamental Plants

Federal and State of California laws and regulations, different formulations of pesticides available, their categories of risk and how they are selected, and determining how and when pesticides can be utilized in an integrated pest control program. Prepares those seeking licensure as a Pest Control Advisor License (PCA), a Qualified Applicator License (QAL), or a Qualified Applicator Certificate (QAC).

Note: Approved for 10 hours Laws and Regulation and 20 hours other credit through the Department of Pesticide Regulation. The license categories are PCA, QAL and QAC. Enrollment in online section is limited.

Elective for Certificate in Turfgrass Management

William N. Baker, B.A., Principal, William Baker & Associates, LLC

Michael Henry, M.S., Environmental Horticulture Advisor, University of California Cooperative Extension, counties of Riverside and Orange

Credit: 3 units

Date/Time: Tues. 6-9 p.m., Apr. 7-Jun. 9 (10 meetings)

Location: UCR: Extension Center, 1200 University Ave.

Fee: \$499

Plant Sciences X421.5

Reg #084-SCA-A14

Credit: 3 units

Date/Time: Tues. 6-9 p.m., Apr. 7-Jun. 9 (10 meetings)

Location: Live Webcast

Fee: \$499

Plant Sciences X421.5

Reg #084-SCA-A15

Department Contacts:

Jon W. Kindschy

Director

Seymour Van Gundy

Program Consultant

(951) 827-5804

sciences@ucx.ucr.edu

To Enroll: See page 116.

Certificates in:

Landscape Irrigation

Turfgrass Management

Contact: Linda Coco

(951) 827-5804

sciences@ucx.ucr.edu

Students enrolled in an online course need to set up a *NetID* to access their courses. See page 34. Visit our Web site at www.extension.ucr.edu/online/netid_steps.html

Turfgrass Management Courses Offered Online • Try a Guest Logon

Not sure if an online class is right for you? Try it out.

For a guest logon, e-mail sciences@ucx.ucr.edu or call (951) 827-5804.

Textbooks

Go to extension.ucr.edu for course textbook requirements.