



# Planning, Development & Resource Management

It is difficult to design a place that will not attract people. What is remarkable is how often this has been accomplished.

*William H. Whyte*  
Sociologist and journalist

We are becoming increasingly sensitive to how we live and interact with each other, our surroundings, the natural resources that we use, and the planet that we live in, on and off of. A revolution is underway to change the very infrastructure of our lives, from how we receive energy to the types of homes that we live in. Planning, development and resource management has never been so crucial.

Still, we demand that the lifestyle of the future be beautiful.

Our certificate programs will prepare you to use land, plan cities, erect buildings, and implement infrastructure in ways that enhance – rather than challenge – daily living.

For certificate programs and contact information, see page 104.

## Construction Management

### Construction Management

Introduction to the principles and concepts of construction management including project planning and management tools, contract formation and management, working with public agencies, quality control, risk management, scheduling, cost estimating and budgeting.

*Required for Certificate in Construction Management*

**York K. Davenport**, B.A., Division Construction Manager, Centex Homes, Corona

**Credit:** 4 units

**Date/Time:** Tues. 6-10 p.m., Apr. 14-Jun. 9 (9 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$595

**Preregistration:** Requested by April 7.

Management X471.7

**Reg #084-ITE-E01**

### Construction Project Planning, Scheduling and Control Systems

Exploration of planning, scheduling and controlling construction projects including cost control, contracts, client relations, project manuals, crisis management, claims management and scheduling methods like bar charts, network diagrams and Critical Path Method (CPM).

*Required for Certificate in Construction Management*

*Elective for Certificate in Facilities Management*

**Michael N. Scuro**, B.S., President, Quality Construction of Indian Wells, Inc.

**Credit:** 3 units

**Date/Time:** Wed. 6-10 p.m., Apr. 15-May 27 (7 meetings)

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

**Fee:** \$495

**Preregistration:** Requested by April 8.

Management X471.6

**Reg #084-ITE-E02**

### Fundamentals of Construction Costs, Estimating and Budgeting

Surveys the procedures and techniques for estimating construction project costs including preparation of quality surveys, development of material, labor and equipment costs, and pricing of contractor and subcontractor work from blueprints and working plans.

*Required for Certificate in Construction Management*

**Deborah L. VanHuis**, MSA, Consultant, Cardiff

**Greg Bowers**, M.P.A., Assistant Superintendent of Facilities and Operations, Lake Elsinore Unified School District

**Credit:** 3 units

**VanHuis**

**Date/Time:** Thurs. 6-10 p.m., Apr. 16-May 28 (7 meetings)

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

**Fee:** \$495

**Preregistration:** Requested by April 9.

Management X471.2

**Reg #084-ITE-E03**

**Bowers**

**Date/Time:** Thurs. 6:30-9:30 p.m., Apr. 23-Jul. 2 (no meeting Jun. 11) (9 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$495

Management X471.2

**Reg #084-ITE-E04**

### Textbooks

Go to [extension.ucr.edu](http://extension.ucr.edu) for course textbook requirements.

### Construction Budget, Accounting and Contract Management

Examines fundamentals of finance, cost management strategies, basic concepts and methods of financial and managerial accounting, cash flow and relocation projection, payment scheduling and contract management requirements.

*Elective for Certificate in Construction Management*

**Brian H. Lee, B.S., AICP**, Assistant Building Services Manager, city of Whittier

**Credit:** 3 units

**Date/Time:** Wed. 6:30-9:30 p.m., Apr. 22-Jun. 17 (9 meetings)

**Location:** CHINO: Chino Business Resource Center, 13160 7th St.

**Fee:** \$495

**Preregistration:** Requested by April 15.

Management X471.3

**Reg #084-ITE-E05**

### Fundamentals of Road Design

Examination of road design criteria, horizontal and vertical alignments, drainage, materials quantity and cost estimates, grading and alignment, budgeting and government regulations.

*Elective for Certificate in Construction Management*

*Elective for Certificate in Land Use and Environmental Planning*

**Atef A. Zaki, B.S.**, Retired Engineer, Corona

**Credit:** 3 units

**Date/Time:** Mon. 6-9 p.m., Apr. 20-Jun. 22 (no meeting May 25) (9 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$495

**Preregistration:** Requested by April 13.

Engineering X430

**Reg #084-ITE-E06**

## Land Use and Environmental Planning

### Project Review and Planning Practices

Technical aspects such as design review, grading, building and geological reports. Process issues such as political interaction, citizen participation, public hearings, the roles of intergovernmental and regional agencies, managing work flow and stress, and professional ethics, and conflicts of interest.

**Note:** Saturday sessions are field trips originating from the UCR Extension Center in Riverside.

Transportation for May 16 field trip is provided.

Participation in field trips is required.

*Required for Certificate in Land Use and Environmental Planning*

**Barbara Millman, B.S.**, Principal Planner, city of Ontario

**Credit:** 4 units

**Date/Time:** Wed. 6-9 p.m., Apr. 8-June 17 & Sat. 9 a.m.-noon, Apr. 25 & May 16 (13 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$559

Urban Studies X429

**Reg #084-SCE-E37**

**Date/Time:** Wed. 6-9 p.m., Apr. 8-June 17 & Sat. 9 a.m.-noon, Apr. 25 & May 16 (13 meetings)

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

**Fee:** \$559

Urban Studies X429

**Reg #084-SCE-E38**

### NEW CERTIFICATE PROGRAM

## SUSTAINABLE DEVELOPMENT AND GREEN DESIGN



#### Be a builder of a better tomorrow

Sustainable development seeks to foster an alignment between man, society, the economy and the Earth's life-supporting ecosystems. This alignment represents a dynamic, balanced interaction between the world's population and the environment. Establishing sustainability requires a shift in consciousness and action.

#### Join the shift

Learn about the concepts and principles of Sustainable Development and Green Design in this new professional 14-unit certificate.

Required Course Title	Units	Page
Green Building Design	2	
Sustainable Planning, Design and Development	2	
Economics of Sustainability	2	103
Sustainable Resources Management	2	
Trends in Energy Efficiencies and Technologies	2	
Public Policy Lecture Series: Sustainability Issues in Southern California	2	

For certificate enrollment form and fees, see page 5. For more information, call (951) 827-5804 or sciences@ucx.ucr.edu.

[www.extension.ucr.edu/green](http://www.extension.ucr.edu/green)

## **NEW** NEPA: A Step-by-Step Approach

Fundamental policies, procedures, and practices of the National Environmental Policy Act (NEPA), including the perspectives of the federal lead agency responsible for its implementation, affected state and local agencies, and concerned citizens.

*Elective for Certificate in Land Use and Environmental Planning*

**Chad R. Beckstrom**, M.S., Principle, ICF Jones & Stokes, Irvine

**Kenneth M. Bogdan**, J.D., Environmental Planner and Attorney, Jones and Stokes Associates, Sacramento

**Rachel A. Struglia**, Ph.D., Senior Manager, ICF Jones & Stokes, Irvine

**Credit:** 1.5 CEUs, 15 hours MCLE credit

**Date/Time:** Thurs. & Fri. 8 a.m.-5 p.m., Apr. 2 & 3 (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$329 (includes text, refreshments and parking)

Urban Studies 840.1

**Reg #084-SCE-E50**

## **CEQA: A Step-by-Step Approach**

Requirements of the California Environmental Quality Act (CEQA) including when CEQA applies to a project, determining whether to prepare an Environmental Impact Report (EIR), the EIR process, negative declarations, mitigation, and how CEQA integrates with other environmental laws.

*Elective for Certificate in Land Use and Environmental Planning*

**Charity Schiller**, J.D., Associate Attorney, Best Best & Krieger, Riverside

**Christopher H. Calfee**, J.D., Associate Attorney, Best Best & Krieger LLP, Walnut Creek

**Credit:** 1.5 CEUs, 15 hours MCLE credit

**Date/Time:** Thurs. & Fri. 8 a.m.-5 p.m., Apr. 16 & 17 (2 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$319 (includes text, refreshments and parking)

Urban Studies 840

**Reg #084-SCE-E48**

Students enrolled in a course using Blackboard or Moodle 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](http://www.extension.ucr.edu/online/netid_steps.html)

## **LAFCOs, Cities and Special Districts: The Challenge of Boundary Change in the Future**

The respective roles of local agencies, LAFCO, the public and others involved in local government boundary changes. Motivations for and fiscal effects of boundary changes, municipal service reviews, coordinating interrelated planning programs and an overview of procedures.

*Elective for Certificate in Land Use and Environmental Planning*

**Bob Braitman**, Principal, Braitman and Associates, which specializes in government organization and jurisdictional relations, public services, land use planning and fiscal analysis.

**Credit:** .65 CEU, 6 hours MCLE credit

**Date/Time:** Fri. 9 a.m.-4:30 p.m., Jun. 5 (1 meeting)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$179 includes lunch, parking and materials

Urban Studies 832

**Reg #084-SCE-E60**

*Also applying to the certificate*

## **GIS in Land Use Planning**

See page 75.

## **Real Estate**

### **Real Estate Finance and Investments**

Analysis of real estate finance and investments including site selection, markets, finance, debt instruments, investment analysis, economic climate, valuation, taxes, risk management, syndication development, proposal analysis, portfolio management and real estate development for clients.

*Elective for Certificate in Real Estate*

**Robert Russo**, B.A., Owner, Maxxim Mortgage, Corona

**Credit:** 4 units

**Date/Time:** Tues. 6-10 p.m., Apr. 7-Jun. 2 (9 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$595

Management X435.11

**Reg #084-MBX-X01**

### **Property Management**

Surveys property management fundamentals including responsibilities of property managers and management companies, tenant relations, landlord/tenant laws, leasing requirements, human resources management, vendors, office administration, insurance, financial analysis, accounting, budgeting, building maintenance and safety.

*Elective for Certificate in Real Estate*

**John Bernardi**, M.P.A., Broker and owner of the American Dream Realty, San Bernardino

**Credit:** 4 units

**Date/Time:** Mon. 5-9 p.m. (no meeting May 25), Apr. 6-Jun. 8 (9 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$595

Real Estate X466

**Reg #084-MBX-X02**

## **Sustainable Development and Green Design**

**LIVE WEBCAST**

### **NEW** Economics of Sustainability

Short- and long-term cost implications of national certifications, energy conservation, water efficiency, site sustainability, indoor environmental quality, building materials and resources. Global sustainability issues and the economic impacts of population, food supply, pollution, forests, and energy in general.

*Required for Sustainable Development and Green Design*

**Instructor to be announced**

**Credit:** 2 units

**Date/Time:** Thurs. 6-9 p.m., Apr. 23-Jun. 4 (7 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$395

Environmental Science X460.4

**Reg #084-SCE-E67**

**Date/Time:** Thurs. 6-9 p.m., Apr. 23-Jun. 4 (7 meetings)

**Location:** Live Webcast

**Fee:** \$395

Environmental Science X460.4

**Reg #084-SCE-E68**

### **Instructors Wanted**

UCR Extension seeks qualified professionals to teach construction management, and engineering courses. Requirements include a bachelor's degree, graduate degree preferred, and professional experience in the field. If you are interested, please forward your résumé to [salmeida@ucx.ucr.edu](mailto:salmeida@ucx.ucr.edu) or call (951) 827-1623 for more information.

**NEW Green Construction and Building Methods**

Comprehensive, life-cycle-based materials selection tools for better decision making in relation to their energy and environmental impacts and benefits. Rating systems and their impact on selecting durable and environmentally responsible building materials and methods.

*Elective for Certificate in Construction Management*

*Elective for Sustainable Development and Green Design*

**Joseph A. Blanco**, B.A., Principal, RESCUE Green, Corona

**Jon Robert Dougal**, CGBP, Sustainability Director, Habitat for Humanity, Riverside

**Credit:** 2 units

**Date/Time:** Mon. 6-9:15 p.m., Apr. 13-May 18 (7 meetings)

**Location:** UCR: Extension Center, 1200 University Ave.

**Fee:** \$395

Environmental Science X460.2

**Reg #084-SCE-E65**

**Date/Time:** Mon. 6-9:15 p.m., Apr. 13-May 18 (7 meetings)

**Location:** Online - Live Webcast

**Fee:** \$395

Environmental Science X460.2

**Reg #084-SCE-E66**

## Department Contacts:

**Eric Blum**

**Director  
Business & Management  
(951) 827-4111  
bet@ucx.ucr.edu**

To Enroll: See page 116.

**Certificate in:  
Construction Management**

Contact: Susie Almeida  
(951) 827-1623  
bet@ucx.ucr.edu

## Real Estate

Contact: Kathy Craig  
(951) 827-1600  
bet@ucx.ucr.edu

**Jon W. Kindschy  
Director**

**Environmental Management  
(951) 827-5804  
sciences@ucx.ucr.edu**

To Enroll: See page 116.

**Certificate in:  
Sustainable Development and Green Design**

**Land Use and Environmental Planning**

Contact: Jan Crump  
(951) 827-5804  
sciences@ucx.ucr.edu



### CERTIFICATE PROGRAMS at a glance

**Construction Management** *To earn the certificate, you must complete 18 units – 10 required units, 8 elective units.*

Required Course Title	Units	Page
Construction Management	4	101
Construction Project Planning, Scheduling and Control Systems	3	101
Fundamentals of Construction Costs, Estimating and Budgeting	3	101

**Land Use and Environmental Planning** *To earn the certificate, you must complete 28 units – 4 required courses and 12 elective units (6 CEUs can be used in lieu of regular units.)*

Required Course Title	Units	Page
Introduction to Land Use Planning Practices	4	
General and Community Plans in California	4	
Project Review and Planning Practices	4	102

Certificate enrollment form, page 5.

*Information in this matrix is subject to change. Classes in this program are scheduled year-round with varying start dates; please see listings each quarter.*

*Additional courses may be offered. Please see future catalogs.*

**Please visit our Web site for complete program information at [www.extension.ucr.edu](http://www.extension.ucr.edu).**