



Planning, Design and Development Courses

Summer 2009

UPDATED COURSE

- LEED Building Certification

www.extension.ucdavis.edu/landuse

**UC DAVIS
EXTENSION**

**LAND USE AND
NATURAL RESOURCES**



CONTINUING AND PROFESSIONAL EDUCATION

Green Building Design Studio

2 quarter units academic credit, X421.7.

Apply what you learned in the *Green Building and Sustainable Design* or *Green Building and Renewable Energy Certificate Program* to a real-world example. Structured as a design studio, you will have six weeks to develop conceptual plans for a site and for an individual building, set of buildings or open space. You will work in small groups to explore the challenges in designing a sustainable project at different scales. Experts on different aspects of sustainable development and green building will provide feedback as you work through the design process. During the final class, you will present your project to an outside jury of experts.

You will have a limited amount of time to work on designs during classes. Anticipate working outside of class during the six week period. Drawings and sketches can be prepared by hand or on the computer.

Prerequisite: At least four of the six courses in the *Green Building and Sustainable Design* or *Green Building and Renewable Energy Certificate Program*.

PAUL ZYKOFSKY, M.S., A.I.C.P., is director of the Center for Livable Communities, an initiative of the Local Government Commission. Established in 1993, its mission is to help communities be proactive in their land use planning and to encourage the adoption of programs and policies that lead to more livable, sustainable land use patterns. He has more than 20 years experience in planning, urban design and community-based approaches for creating livable communities.

- **5 meetings.**
- **June 17-July 29:** Wed., 8:30 a.m.-12:30 p.m. (No meeting July 15.)
- **Sacramento:** Sutter Square Galleria, 2901 K St.
- **\$525.** Includes course materials. **Enroll in section 091GBD107.**
- **Special discounts:** Groups.

Civil Engineering for Land Use and Site Planning

.6 CEU.

6 hours MCLE credit.

Receive an overview of civil engineering issues, options and challenges in today's land planning and development processes to help you deliver better performing projects. In all phases of land planning the issues of water supply, drainage, wastewater, utilities and transportation infrastructure, as well as integration into site structures and facilities needs to be addressed efficiently and economically. Examine civil engineering approaches and options associated with site and facility development and the integration of infrastructure development into the planning process. Relate these activities to a wide range of planning, permitting, financing and construction activities. Topics include:

- Project evolution process and creation of successful outcomes
- Uniting engineering with planning and permitting to streamline implementation
- Productively involving the public
- Green/sustainable practices to create better performing projects
- Water resources
- Site development as an opportunity
- Layout, mapping and integration with GIS
- Circulation, access and parking
- Grading and improvements
- On-site and off-site infrastructure
- Designing for vehicles, pedestrians & bicycles
- Coordinating with service providers
- Financing and ownership of infrastructure

Designed for land use planners, urban designers, developers, attorneys and others who are involved in land planning and project implementation, this class is interactive with a range of small urban infill to large-scale, multi-phase project examples from the instructor. Participants are encouraged to share their own project examples.

STEVEN MCHANEY is a professional civil engineer with more than 20 years experience planning, funding, permitting, and designing support infrastructure for cities, special districts and private developers. As city and district engineer for a multitude of agencies, McHaney is responsible for developing improvement projects for public agencies as well as reviewing projects proposed by developers.

- **1 meeting.**
- **June 24:** Wed., 9 a.m.-4:30 p.m.
- **Sacramento:** Sutter Square Galleria, 2901 K St.
- **\$290. Enroll in section 091LUP118.**
- **Special discounts:** Groups.

Bicycle Planning and Design

1 quarter unit academic credit, X400.4.

1.2 CEUs.

12 hours MCLE credit.

Understand the critical elements of planning and design for bicycle circulation. Examine broad legal and policy issues, community-wide planning, policy needs and detailed designs for bicycle systems and facilities. The lecture consists of:

- The legal and statutory bases for bicycle travel
- Transit-oriented, “new urbanist” and other livable communities models and how bicycle systems can fit
- Integrating bicycle use into regional and local polices, plans and systems
- Design requirements for bike use in neighborhoods and roadway projects
- Safety, lighting, signage and disability issues
- Funding, financing, permitting and regulations
- Detailed bicycle system/facilities planning and design

The second day includes a half-day guided bike tour through the city of Davis and the UC Davis campus. Examine a series of innovative development projects scattered around the city of Davis, as well as the bicycle systems of the city and campus. The half-day “bike-around” is optional and does not require highly skilled or athletic riding. All participants will be outfitted with bikes and

helmets. You may bring your own bike.

TIMOTHY BUSTOS is the bicycle and pedestrian coordinator for the City of Davis. Bustos has also worked for the Florida Department of Environmental Regulation and the West Florida Regional Planning Council, where he served as the regional bicycle and pedestrian coordinator for a seven-county region. He is also certified as an Effective Cycling® instructor by the League of American Bicyclists.

JOHN CICCARELLI of Bicycle Solutions is a planning and design consultant specializing in bicycling and walking. He has developed bicycle transportation master plans for cities, counties, the Bay Area, and San Jose Airport. Ciccarelli has produced striping and signing plans for street corridors throughout California and developed the Expressway Bicycle Accommodation Guidelines for Santa Clara County’s roads department.

- **2 meetings.**
- **Sept. 9-10:** Wed.-Thurs., 9 a.m.-4:30 p.m.
- **Davis:** Da Vinci Building, 1632 Da Vinci Ct.
- **\$360.** Includes course material. **Enroll in section 091LUP115.**
- **Special discounts:** Groups.

ENROLL

www.extension.ucdavis.edu/landuse

ONLINE

About the Land Use and Natural Resources Program

The Land Use and Natural Resources (LUNR) program—one of the largest of its kind in the U.S.—aims to meet the needs of planners, resources managers, government officials, consultants, designers, developers, attorneys and others involved in planning processes. With more than 80 classes, conferences and training events that serve more than 3,500 people each year, the program includes courses on land use and environmental law and policy, natural resources management, water policy, housing and community development, transportation management, GIS applications and public finance and real estate. The program offers certificates in Land Use Planning, as well as customized contract courses.

Discounts Organizations enrolling three or more people at the same time in one class may do so for a 10 percent discount off each enrollment. The group discount cannot be combined with other discounts. All enrollments must be submitted at one time and fees paid with one check, credit card or purchase order.

Tax deductibility of educational expenses Expenses of education — including registration fees, travel, meals and lodging

LEED Building Certification

2 quarter units academic credit, X421.8.

The Leadership in Energy and Environmental Design Rating Systems for building design and construction (LEED BD&C) version 3.0 went into effect in spring of 2009. LEED BD&C combines three previous LEED rating systems: LEED-NC for new construction and major renovations, LEED for schools, and LEED-CS for core and shell. Gain an in-depth understanding of the new LEED BD&C rating systems, the process to document and obtain certification and prepare to take accreditation exams. Developed by the U.S. Green Building Council, these green building rating systems are the building industry's leading environmental standard. Explore the following:

- LEED BD&C version 3.0 (2009)
- LEED O&M (operations and maintenance)
- LEED ID&C (interior design and construction)
- LEED for homes
- LEED for neighborhood development

Learn the process of registering, documenting and certifying LEED BD&C projects using LEED-Online as well as other standards, application guides and resources. To help visualize building elements that contribute to LEED certification, you will review case studies, local project examples and tour at least one local LEED-certified building. **Please note: This is not a USGBC-sponsored class.**

Prerequisite: A basic understanding of the building design and/or construction process is required. Completion of the course *Sustainability and the Built Environment* is desirable but not essential.

DAN BURGOYNE is the sustainability manager for California's Department of General Services, where he works on sustainability programs for a wide variety of state focuses including building design, construction, operation and maintenance, procurement and internal operations. Burgoyne is a California licensed architect and LEED accredited professional with more than 22 years of experience in the design and construction industries as an architect, project manager, contractor and owner. He also serves on the Board of Directors of the U.S. Green Building Council, as a vice-chair of the USGBC's government committee and on the board of the California Commissioning Collaborative.

- **Enroll now through Sept. 9 and complete by Nov. 24.**
- **You must begin and end the course on the dates noted above.** You may work at your own pace during this time frame. You must provide your email address when enrolling to receive your password. If you do not receive your password in the time frame noted, please email us at: adminsupt@extensiondlc.net.
- **Technical requirements:** A current email account and access to the Web using an Internet browser.
- **\$575. Enroll in section 092GDD120.**
- **Special discounts:** Groups.

GENERAL INFORMATION

— may be deductible if they maintain or improve professional skills or meet the express requirement of an individual's employer. Contact a certified public accountant for more information, or visit www.irs.gov/taxtopics.

Continuing education units Continuing education units are a nationally recognized means of recording noncredit study. All CEUs are offered in quarter system units. One CEU is awarded for every 10 hours of contact participation.

MCLE credit Courses that list MCLE credit have been approved for Minimum Continuing Legal Education credit by the State Bar of California. UC Davis Extension certifies that these courses conform to the standards for approved educational activities prescribed by the rules and regulations of the State Bar of California governing minimum continuing legal education.

If your plans change Refunds, less a \$30 processing fee, will be granted if the request is received seven calendar days before the course begins.

Also of interest...

Land Use and Environmental Planning in the Era of Climate Change

The implications of global warming and climate change on land use planning and compliance with the California Environmental Quality Act (CEQA) are evolving and becoming more important each year.

Discuss the implications of our evolving understanding of climate change and its practical effects on land use planning and CEQA compliance. Topics include:

- Current understanding about climate change predictions and uncertainties in California
- How city and county general plans and other long-term plans address climate change's potential influences on water supply, sea level rise, flooding, and ecological conditions that could affect growth and development
- Planning implementation approaches to reduce carbon and other greenhouse gas emissions and to respond to the effects of climate change
- Current state of CEQA approaches for addressing global warming and climate change impacts and significance determinations
- **July 15:** Wed., 9 a.m.-4:30 p.m.
- **Sacramento:** Sutter Square Galleria, 2901 K St.
- **\$290. Enroll in section 091LUP226.**
- **Special discounts:** Groups.

Vested Rights, Vesting Maps and Development Agreements

Review the legislative and judicial aspects of development agreements. Examine the legal basis for development agreements, and the overlap between agreements and vesting subdivision maps. Development agreements have become an effective avenue for a communities and developers to come together to process projects. Both sides of the negotiation need to carefully consider the terms of these contracts and look at questions of content and performance before completing such agreements.

Examine the negotiating process, identifying and discussing the range of options available when negotiating a development agreement and reviewing the "theoretically" possible agreement. Review the key points to an agreement and learn ways to assist in understanding the needs of the "other side" and pick the players to conduct the negotiation. An in-depth discussion will look at techniques and concepts that are likely to work, those that do not, and why most attempts at development agreements are doomed to failure. Topics include:

- **Aug. 19:** Wed., 9 a.m.-4:30 p.m.
- **Sacramento:** Sutter Square Galleria, 2901 K St.
- **\$290. Enroll in section 091LUP154.**
- **Special discounts:** Groups.

For more information

For general information or to enroll, call UC Davis Extension at (800) 752-0881.

For specific program information, call (530) 757-8878, email extension@ucdavis.edu, or visit our website.

www.extension.ucdavis.edu/landuse

At that time, you can also discuss transferring your enrollment to another program or sending a substitute. Requests for withdrawal without a refund must be received before the last meeting of the course. Requests for withdrawals or refunds may be made by phone, fax or in writing. Please include the student's name, course title and course section number. For information about other alternatives, call UC Davis Extension at (800) 752-0881.

Changes and cancellations UC Davis Extension reserves the right to cancel or reschedule courses and to change instructors. If a course is canceled or rescheduled, you may request an official transfer to another course or a refund. Every reasonable effort will be made to notify enrollees of changes or cancellations.

The University of California does not discriminate in any of its policies, procedures or practices. The university is an affirmative action/equal opportunity employer.

Not produced at state expense. UC Davis Extension is a self-supporting, nonprofit organization funded by course fees, grants and contracts.

ENROLLING IS EASY!

BY MAIL complete this form and send it to the Registration Office, UC Davis Extension, University of California, 1333 Research Park Drive, Davis, CA 95618-4852.
BY PHONE call toll free (800) 752-0881. From Davis or Woodland call 757-8777. Please have your Visa, MasterCard, American Express or Discover account number handy.

BY FAX to (530) 757-8558. If you are enrolling with a company purchase order, please fax a completed enrollment form along with a copy of the purchase order. For security purposes we can no longer accept credit card payments via fax.
IN PERSON at our Registration Office, 8:30 a.m.-4:30 p.m., 1333 Research Park Drive, Davis.
ONLINE at www.extension.ucdavis.edu/landuse

1. Yes! Please enroll me in the following course(s):

Title _____ Section number _____ \$ Fee _____
 Title _____ Section number _____ \$ Fee _____

- Check here if you are enrolling three or more people from the same organization (see "Discounts," inside).
 No, I can't take a course at this time, but please add my name to your mailing list to receive information about future Land Use and Natural Resources programs.

2. Customer information:

Mr. Mrs. Ms. _____ Name _____
 _____ Social Security number* _____

Current position/job title _____

IMPORTANT: Where would you like to receive mail? work home (Please fill in all blanks below)

Address _____

City _____ State _____ Zip _____

Employer name _____

() _____ Evening telephone _____
 Daytime telephone _____

Email _____ If you do not wish to receive periodic email about UC Davis Extension courses and programs in your area of interest, please check this box .

Please add extension@ucdavis.edu to your address book or safe list to ensure that our email messages are delivered promptly.

*UC Davis Extension is required by federal law to report your Social Security Number (SSN) and other pertinent information to the Internal Revenue Service pursuant to the reporting requirements imposed by the Taxpayer Relief Act of 1997. UC Davis Extension also will use the SSN you provide to verify your identity. SSN disclosure is mandatory. This notification is provided to you as required by the Federal Privacy Act of 1974.

3. Payment information:

- Enclosed is a check payable to UC Regents.
 Enclosed is a company purchase order (a complete enrollment form, or all information requested on the enrollment form, must accompany your purchase order).
 Please charge Visa/MasterCard/American Express/Discover:

Account number _____ Expires _____

Name of cardholder _____ Authorizing signature _____ 091191
 Credit card verification number: _____ The CCV is the last three digits of the number printed on the back of your credit card (for American Express it is the last four digits of the number printed on the front of the card).

4. Important

Key code: _____
 For efficient processing of your enrollment, please fill in this code as it appears on your mailing label, whether or not it is addressed to you. If you enroll by phone, please be prepared to provide this code to your customer service representative. Also include it on all purchase orders.

UC Davis Extension
 University of California
 1333 Research Park Drive
 Davis, CA 95618-4852

Key Code
 0 9 1 1 9 1 - Z Z

Nonprofit Org.
 U.S. Postage
PAID
 UC Davis