

LAND USE AND NATURAL RESOURCES FALL 2017 CALENDAR

SEPTEMBER

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|--------|---------|-----------|--|--------|----------|
|  | | | | | 1 | 2 |
| 10 | 11 | 12 | 13 | 14 Financial Aspects of Planning (4) GIS Database Design (4) | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

(#) Number of class meetings

● Online Webinar

NOVEMBER

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|--------|---------|--|--|--------------------------------|----------|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 Mitigation Measure Development and Monitoring (1) | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 Streambank Assessment and Restoration (1) | 16 Environmental Planning and Site Analysis (4) | 17 Air Quality Analysis (1) | 18 |
|  | | | 22 | 23 | 24 | 25 |
| | | | 29 | 30 | | |

OCTOBER

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------|---|---|----------|---|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 Introduction to Conflict Resolution (*) | 12 | 13 Politics and Policymaking (1) | 14 |
| 15 | 16 | 17 | 18 Planning Tools to Create Healthy Communities (1) | 19 | 20 CEQA: A Step-by-Step Approach (1) | 21 |
| | |  | 25 Land Use Planning for Non-Planners: An Introduction to Planning in California (1) | 26 | 27 ERFES Preparation and Review (1) | 28 |

UC Davis Extension
University of California
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Davis, CA 95618-4852

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LAND USE AND NATURAL RESOURCES

FALL 2017

Politics and Policymaking

Air Quality Analysis

NEW! GIS for Forestry

Habitat Conservation Planning

And More!

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NATURAL RESOURCES



CONTINUING AND PROFESSIONAL EDUCATION

FALL 2017

AWARD-WINNING PROFESSIONAL EDUCATION

EXTENSION.UCDAVIS.EDU/LANDUSE

Land Use Planning for Non-Planners: An Introduction to Planning in California

CEQA: A Step-by-Step Approach

GIS Database Design

Streambank Assessment and Restoration

Free Information Session

LAND USE AND NATURAL RESOURCES FALL 2017 AT-A-GLANCE



ENHANCE YOUR CAREER, YOUR COMMUNITY AND THE ENVIRONMENT with comprehensive education that's innovative, relevant and taught by recognized experts in the field. Our programs provide real-world learning and exceptional networking opportunities. Learn to protect and manage the environment, and develop strategies to work effectively within the regulatory and environmental context of planning. Gain skills to develop healthier communities, and define effective ways to utilize our natural resources, including energy and water. And discover tools to address and resolve conflicts through better communication. *Join us in class this fall!* For a full listing of courses or to enroll visit us online.

FOR MORE INFORMATION OR TO ENROLL

CALL (800) 752-0881 EMAIL extension@ucdavis.edu VISIT US ONLINE extension.ucdavis.edu/landuse

CONFLICT RESOLUTION

Introduction to Conflict Resolution

Become a vital problem solver in your organization or community. Build a solid foundation in the basics of conflict resolution, and learn theory and new techniques for mediating conflicts. Discover leading models and apply these to current cases using practical strategies to effectively transform conflicts.

- Oct. 11-Dec. 6
- Online
- \$695. Enroll in section 172CRP101.

FREE INFORMATION SESSION

Join us for this free information session to learn more about our Land Use and Natural Resources Program. Meet our instructors and staff, and find out what our programs can offer you.

- Sept. 13: Wed., 5:30-7 p.m.
- Sacramento: Galleria, 2901K St.
- Enroll in section 172LAN100

INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS

Students will learn about basic GIS terms, available systems, data sources and GIS policy decisions. This class includes lectures and experience in ArcGIS, which leads to a working knowledge of GIS and an understanding of the planning design for which GIS is used.

- Dec. 6-8: Wed.-Fri., 8 a.m.-4:30 p.m.
- Davis: Wickson Hall 350 N. Quad
- \$725. Enroll in section 172GIS101.

ALSO OF INTEREST

Sustainable Planning Environmental Site Design and Development

Learn about fundamental planning issues and sustainability processes as they apply to community planning and design situations. Acquire techniques for site assessment to better plan for and incorporate sustainable practices into policy and design.

- Oct. 13-Nov. 17: Fri., 8 a.m.-4:30 p.m.
- Sacramento: Galleria, 2901 K St.
- \$675. Enroll in section 172SEG102.

Business of Sustainability

This course will examine and apply the tools, models and approaches that students can use to develop the business and financial rationale for a sustainability initiative.

- Nov. 1-3: Wed.-Fri., 8 a.m.-4:30 p.m.
- Sacramento: Galleria, 2901 K St.
- \$675. Enroll in section 172SEG107.

Special Discounts:

Many courses offer a 10 percent discount for groups and members of affiliate organizations, including APA, ASLA and BIA. Discounts for CAAA members are also available. Visit our website for more information on discounts.

extension.ucdavis.edu/landuse

LAND USE PLANNING

Financial Aspects of Planning

Gain an understanding of how planning decisions impact the economic feasibility of a proposed project for the public agency and developer. Learn how money flows into a governmental agency, what they can or can't do to increase that flow and how debt fits into the whole equation.

RUSS BRANSON, DAVID ZEHNDER, JOHN SPRAGUE, MICHAEL COLEMAN AND STEPHEN DES JARDINS

Politics and Policymaking

Explore the political variables and systems that shape environmental policymaking for land use, energy, infrastructure, resource conservation and climate in municipal, state and federal governments. Students will learn how to identify routes to policy change, write a fact sheet that optimizes a legislative measure's chances for success and develop an outreach and lobbying strategy. JOSH ROSA

Planning Tools to Create Healthy Communities

Through hands-on exercises and group discussions, participants will receive an overview of the relationship between features of the physical, social and economic environments in communities--such as patterns of development, urban design, transportation and food systems--and public health outcomes. MATTHEW RAIMI

Land Use Planning for Non-Planners: An Introduction to Planning in California

Drawing on years of experience, instructors cover the intricacies of planning, translate the jargon, and explain how state and local planning practices and policies are developed as well as how they impact all aspects of our lives. THOMAS JACOBSON AND VIVIAN KAHN

Environmental Planning and Site Analysis

Examine the major components of physical planning and site design as they relate to achieving planning objectives. Review regional landscape analysis, physical and man-made factor analysis, and watershed and program analysis. ALLEN FOLKS

NATURAL RESOURCES

CEQA: A Step-by-Step Approach

Clarify and deepen your understanding of CEQA and the implications it has for your organization, plan or project. Topics include, but are not limited to: legislative history, changes to the state CEQA guidelines, CEQA requirements, determining if an EIR is required and a judicial review of CEQA decisions. ANTERO RIVASPLATA

EIR/EIS Preparation and Review

Learn how to increase efficiency and reduce redundancy by addressing the requirements of both CEQA and NEPA with a combined EIR/EIS document. In this hands-on course, you will gain exposure to CEQA and NEPA, as well as methods for meeting the requirements of both with a combined environmental document. ANTERO RIVASPLATA

Mitigation Measure Development and Monitoring

Learn how to develop and monitor enforceable mitigation measures for different types of projects in California. Focus on the legal basics and latest court cases on mitigation measures. Receive practical advice, examples and checklists for developing and monitoring mitigation measures. CARL JENSEN AND MEGAN SMITH

Air Quality Analysis

Learn how to meet the significant air quality challenges posed by increasing urbanization and development. Designed for planning and environmental protection professionals who deal with transportation analyses, this course presents the principles of air quality assessment and regulation for land use and transportation projects. BRIAN GRATTIDGE

Habitat Conservation Planning

Gain an overview of state and federal endangered species laws and recommendations for best approaches to conservation planning. Explore case studies of simple single species and complex multispecies habitat conservation plans. BRAD NORTON AND PAOLA BERNAZZANI

GEOGRAPHIC INFORMATION SYSTEMS

GIS Database Design

Review industry-standard and emerging data design technologies for GIS databases. Learn how to identify poor data design characteristics, convert logical data definitions and relationships to physical data design, prepare a plan for efficient data loading and manage quality assurance. ROBERT EARLE

NEW! GIS for Forestry

Forest health and protection are among society's highest natural resource priorities in responding to climate change, habitat fragmentation and increased wildland fire risks. This course provides an introduction to geographic information systems (GIS) with specific applications and case studies in forest management. PAUL VEISZE

WATER RESOURCES

Streambank Assessment and Restoration

Learn the concepts of natural channel form and function in streambanks, and how to determine which restoration methods are most suitable for different types of sites. Techniques for bank stabilization using natural materials and native vegetation will be discussed, including the use of various types of low rock and log toe structures, redirective techniques versus resistive techniques and biotechnical/bioengineering methods. CHRIS BOWLES, CHRIS HAMMERSMARK AND JOHN MCCULLAH

Water Quality Regulation and Permitting

Review California water quality regulations, relevant provisions of California state law and regulations, and the federal Clean Water Act. During this interactive workshop, instructors will provide case studies, strategies and recommendations for effectively meeting agency requirements.

MICHAEL VONDERGEEST

Sept. 14-15 & Oct. 12-13: Thurs. & Fri., 8 a.m.-4:30 p.m.

Sacramento: Galleria, 2901 K St.
\$675. Enroll in section 172LEP101.

Oct. 13: Fri., 9 a.m.-4:30 p.m.

Sacramento: Galleria, 2901 K St.
\$360. Enroll in section 172LAN101.

Oct. 18: Wed., 9 a.m.-4:30 p.m.

Davis: 1632 DaVinci Ct.
\$360. Enroll in section 172LAN102.

Oct. 25: Wed., 9 a.m.-4:30 p.m.

Sacramento: Galleria, 2901 K St.
\$360. Enroll in section 172LAN103.

Nov. 16-17 & Dec. 14-15: Thurs. & Fri., 8 a.m.-4:30 p.m.

Sacramento: Galleria, 2901 K St.
\$675. Enroll in section 172LEP102.

Oct. 20: Fri., 9 a.m.-4:30 p.m.

Sacramento: Galleria, 2901 K St.
\$360. Enroll in section 172PRC101.

Oct. 27: Fri., 9 a.m.-4:30 p.m.

Sacramento: Galleria, 2901 K St.
\$360. Enroll in section 172NAT102.

Nov. 8: Wed., 9 a.m.-4:30 p.m.

Sacramento: Galleria, 2901 K St.
\$360. Enroll in section 172PRC104.

Nov. 17: Fri., 9 a.m.-4:30 p.m.

Sacramento: Galleria, 2901 K St.
\$360. Enroll in section 172PRC103.

Dec. 8: Fri., 9 a.m.-4:30 p.m.

Sacramento: Galleria, 2901 K St.
\$360. Enroll in section 172PRC102.

Sept. 14-15 & 21-22: Thurs.-Fri., 8:30 a.m.-4:30 p.m.

Davis Int'l Center: 463 California Ave.
\$695. Enroll in section 172GIS105.

Dec. 13-15: Wed.-Fri., 9 a.m.-4:30 p.m.

Davis: Wickson Hall 350 North Quad
\$650. Enroll in section 172GIS113.

Nov. 15: Wed., 9 a.m.-4:30 p.m.

Sacramento: Galleria, 2901 K St.
\$360. Enroll in section 172WAT101.

Dec. 1: Fri., 9 a.m.-4:30 p.m.

Sacramento: Galleria, 2901 K St.
\$360. Enroll in section 172PRC105.