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"UC Davis Extension classes allow me and my staff to gain valuable knowledge and information pertinent to our jobs with the state."
— Tian-Ting Shih, Ph.D., environmental program manager, California Department of Conservation
## LAND AND NATURAL RESOURCES

### SUSTAINABILITY

#### Sustainability and the Built Environment: An Overview
In this comprehensive course, examine sustainability principles as they apply to the built environment from the economic, environmental and social-equity perspectives.
- March 12-13, Thurs.-Fri.; March 16-17, Tues.-Wed.: Sacramento, Galileo, 2901 K St. $705. Enroll in section 174LAN102.

#### Advanced Geographic Information Systems
Explore creative methods and techniques for consensus building, negotiation and resolving complex conflicts through mutually agreeable solutions to challenging situations so projects and programs can move forward.

#### Introduction to Freshwater Ecology
Examine key physical, chemical and biological factors that govern inland waters such as lakes, streams and wetlands.

#### GIS Database Design
Learn to create industry-standard and emerging data design technologies to help develop logical, consistent and manageable databases for land use planning industry.

#### Developing and Writing Effective CEQA Documents
Learn key provisions of the Map Act, how it is applied in planning and development processes, recent legislative changes and new legal interpretations from court decisions and attorney general opinions.

#### Conflict Resolution
Clarity and deeper your understanding of CEQA as an institutional process.

### ENVIRONMENTAL DESIGN

#### Subdivision Map Act
Learn key provisions of the Map Act, how it is applied in planning and development processes, recent legislative changes and new legal interpretations from court decisions and attorney general opinions.

#### The Intersection Between Transportation and Land Use
Learn best practices, examine case studies and gain practical knowledge and skills to put to use in your community.

#### Community Involvement and Communication in Planning
Learn about public information and the hands-on practice of involving stakeholders in urban planning and design decisions and natural resources policies.

#### Real Public Estate Transactions
Explore your understanding of the public real estate process in transactional knowledge for any public or nonprofit agency involved in the acquisition, development and management of public property.

#### The Sacramento-San Joaquin Delta: An Overview of Delta Governance and Regulation
Gain a comprehensive overview of the Sacramento-San Joaquin Delta and an understanding of its significance to California in this introductory course.

### WATER RESOURCES

#### Groundwater Management: Land Use Alternatives and Techniques
Understand the connections between land use and groundwater management including groundwater sustainability planning and land use planning strategies.

#### Water Resources
Understand and comply with requirements of the most widely used set of permits for projects in wetlands and other waters of the U.S. under Section 404 of the Clean Water Act.

### GEOGRAPHIC INFORMATION SYSTEMS

#### Groundwater Management: Management Alternatives and Techniques
Understand the connections between land use and groundwater management including groundwater sustainability planning and land use planning strategies.

#### GIS: Manage, Analyze and Promote Sustainability
Use real-world case studies, students will learn how to identify opportunities to promote, implement and manage sustainability projects through the use of GIS.

### FOR MORE INFORMATION OR TO ENROLL

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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 framework of planning. Gain skills to develop healthier communities and define effective ways to utilize our natural resources, including water and air.

Finally, discover tools to address and resolve conflicts through better communication. We hope to see you in class!