

**UC Davis Continuing Professional Education - Sustainability Related Courses  
(July 2020-June 2022)**

Code	Course Name	Course Description	Program Office
313790	CEQA: A Step-by-Step Approach	<p>Clarify and deepen your understanding of CEQA and the implications it has for your organization, plan or project. Discuss the latest changes to the state CEQA guidelines, new case law and legislation.</p> <p>Topics include:</p> <ul style="list-style-type: none"> <li>- CEQA's legislative history</li> <li>- An overview of CEQA requirements</li> <li>- Steps in the CEQA process and when projects are exempt</li> <li>- The threshold decision: Is an EIR required?</li> <li>- Negative declarations and mitigated NDs</li> <li>- How to determine the scope and content of an EIR</li> <li>- Public notice and review requirements</li> <li>- Agency decision-making under CEQA</li> <li>- Mitigation monitoring and reporting</li> <li>- When to prepare supplemental EIRs</li> <li>- Judicial review of CEQA decisions</li> </ul>	Land Use & Natural Resources
385790	Oita Communication, Culture, and Service Learning Program	DNP	International English & Professional Pgm
397120	Introduction to Healthcare Analytics	<p>With the increasing adoption of electronic health record systems, new forms of data are becoming available that can be used to measure healthcare delivery and improve patient outcomes. In this introductory course designed for healthcare analysts and IT professionals, participants explore the value proposition for clinical intelligence and the role of analytics in supporting a data-driven healthcare system. Through video lectures, reading assignments, written assignments and discussion forums, students learn key concepts in measuring health system performance and leveraging analytics for health improvement.</p> <p>Learning Outcomes</p> <ul style="list-style-type: none"> <li>- Demonstrate an understanding of how the health care industry is changing, the drivers of change and the role of data analytics in supporting the transition from fee for service to value-based care</li> <li>- Assess clinical data structures supported by electronic health records, clinical equipment and other data sets</li> <li>- Describe how healthcare performance is measured according to existing quality frameworks</li> <li>- Discuss and contrast the various methods for comparing healthcare delivery across populations of patients</li> <li>- Analyze examples of clinical improvement projects and the impact of health analytics to decision-making and systems improvement</li> </ul> <p>Skills You Will Gain</p> <ul style="list-style-type: none"> <li>- Clinical care processes</li> <li>- Health data analysis</li> <li>- Business intelligence</li> <li>- Methods of healthcare delivery</li> <li>- Decision making and problem solving</li> </ul>	Health Sciences
163860	Fire and Life Safety Awareness	<p>Fire safety awareness is key in workplaces of all kinds. Through real-world case-based learning, discover the types of built-in fire protection features and fire and life safety hazards common to the educational and workplace environments. This course, designed for workplace safety professionals, discusses passive versus active fire protection features, maintenance of exits, knowledge and use of fire extinguishers, impact to and from other occupants, human behavior before and during an emergency, proper storage techniques and services potentially available through local fire departments. By the end of this course, students will understand fire prevention and response practices and techniques for the workplace.</p> <p>Learning Outcomes</p> <ul style="list-style-type: none"> <li>- Describe passive and active fire protection features</li> <li>- Understand how humans react during fire situations</li> <li>- Describe proper storage techniques</li> <li>- Understand common fire and life safety hazards to the educational and workplace environment</li> </ul> <p>Skills You Will Gain:</p> <p>Fire prevention, Fire response, Fire extinguisher use, Exit maintenance</p> <p>This is a required course for the Workplace Health and Safety Manager Certificate.</p>	Occupational & Environmental Management

101930	Successful CEQA Compliance: An Intensive Two-Day Seminar	<p>CEQA is the state's most comprehensive environmental law. Its requirements influence virtually all prospective land use and public agency projects.</p> <p>Learn how to clearly understand and comply with CEQA guidelines in this interactive seminar, designed to assist public agency staff, consultants, attorneys, developers, members of environmental organizations and others.</p> <p>The first portion focuses on:</p> <ul style="list-style-type: none"> <li>- The background and implementation of CEQA</li> <li>- The preliminary review process</li> <li>- Determination of an environmental document</li> <li>- The negative declaration process and document content</li> <li>- The Environmental Impact Report (EIR) process</li> </ul> <p>The second portion focuses on development of exceptional impact analysis and mitigation measures and the integration of other environmental programs. Specific topics include:</p> <ul style="list-style-type: none"> <li>- Impacts and mitigation</li> <li>- Integration with NEPA, water quality, wetlands and endangered species regulations, and historic preservation programs</li> <li>- Judicial review</li> <li>- EIR management issues</li> </ul>	Land Use & Natural Resources
500130	Introduction to Industrial Hygiene	<p>Industrial hygiene involves the process of recognition, evaluation and control of occupational health hazards. Individuals with workplace safety responsibilities will learn methods to anticipate and recognize such hazards, including basic principles of toxicology, occupational health hazards, biological agents and exposures to physical agents. Through hands-on, interactive learning, students will understand how to measure or evaluate exposures to these agents, and how such exposures are controlled by the use of personal protective equipment and engineering methods.</p> <p>Learning Outcomes</p> <ul style="list-style-type: none"> <li>- Ability to identify and control occupational health hazards</li> <li>- Ability to understand occupational exposure limits</li> <li>- Ability to identify the need for protective equipment, and select appropriate equipment</li> <li>- Awareness of engineering controls for chemical and physical agents</li> </ul> <p>Skills You Will Gain</p> <ul style="list-style-type: none"> <li>- Exposure evaluation methods</li> <li>- Assessment and control of physical agents</li> <li>- Noise hazard measurement</li> <li>- Controlling chemical and dust exposures</li> </ul> <p>This is a required course for the Workplace Health and Safety Manager Certificate.</p>	Occupational & Environmental Management
500104	Introduction to NEPA	<p>This course will provide an introduction to the National Environmental Policy Act (NEPA), including policies, procedures, and environmental documents necessary for successful compliance. It is primarily designed for new and mid-level NEPA practitioners and will inform agency staff, consultants, regulators, applicants and other interested professionals about best NEPA practices. NEPA is a far-reaching law that applies to virtually all U.S. federal agencies and most activities that affect the environment. Many state, local, and private undertakings must be evaluated pursuant to NEPA if they receive federal funding, require federal permits or would take place on federal land. Course topics include:</p> <ul style="list-style-type: none"> <li>- NEPA's legal and regulatory framework</li> <li>- Determining whether NEPA applies to a proposed action</li> <li>- Key steps in the NEPA environmental review process</li> <li>- Determining which type of NEPA document to prepare</li> <li>- Scoping for NEPA analyses</li> <li>- Successful integration of NEPA with other environmental laws</li> <li>- Direct, indirect, and cumulative impact analysis</li> <li>- Determining significance of impacts</li> <li>- Developing and evaluating a reasonable range of alternatives</li> <li>- Writing adequate and feasible mitigation measures</li> <li>- Legal adequacy of NEPA documents and NEPA case law</li> </ul>	Land Use & Natural Resources
500611	Massive Open Online Course (MOOC) Development	Expense only course for development comps for MOOC development.	Online Learning & Education-Academic
396890	California Naturalist	DNP	Land Use & Natural Resources

357400	CEQA and Climate Change: An In-Depth Update	<p>The implications of global warming and climate change on compliance with CEQA are evolving and becoming more important each year in California. A focus on reducing our carbon footprint and the potential impacts of global warming is substantially influencing lead agencies' approaches to preparing MNDs and EIRs for CEQA compliance. Participate in an in-depth discussion of the implications of our evolving understanding of climate change and its practical effects on CEQA compliance.</p> <p>Topics include:</p> <ul style="list-style-type: none"> <li>- Updates on climate change predictions and uncertainties in California</li> <li>- State-of-the-art greenhouse gas analysis approaches</li> <li>- Status updates regarding guidelines and court cases</li> <li>- Thresholds of significance and significance determinations</li> <li>- Feasible mitigation approaches</li> <li>- Role of offsets</li> <li>- Emerging CEQA policy and compliance issues</li> </ul>	Land Use & Natural Resources
500129	Industrial Hygiene Sampling and Monitoring Instruments	<p>Understand the tools and processes in monitoring industrial hygiene. In this overview of instruments and methods, you will learn about the theories, techniques and procedures associated with the use of instruments to measure air contaminants and physical agents, such as noise, heat and related exposures. This course, designed for those responsible for employee safety and health, includes lectures and hands on laboratory exercises addressing the methods and procedures of using common industrial hygiene monitoring instruments, sample collection and laboratory analysis, interpretation of results and the limitations of these techniques will also be discussed. By the end of this course, students will have an overview of how occupational health hazards are measured.</p> <p>Learning Outcomes</p> <ul style="list-style-type: none"> <li>- Understand the techniques and capabilities to measure occupational health hazards, such as chemicals, dusts, noise, heat and other common hazards associated with occupational environments</li> <li>- Operate hand held instruments to measure volatile chemicals, noise and heat</li> <li>- Interpret the results of sampling and measurements, and to recognize the need to control excessive exposures</li> <li>- Understand the major limitations of each measurement technique</li> </ul> <p>Skills You Will Gain</p> <ul style="list-style-type: none"> <li>- Noise measurement</li> <li>- Air Sampling</li> <li>- Analytical Chemistry</li> <li>- Handheld instruments</li> </ul> <p>This is a required course for the Workplace Health and Safety Manager Certificate.</p>	Occupational & Environmental Management
327280	Writing for Planners, Engineers and Policymakers	<p>Engineers, planners and other professionals require a high degree of technical writing skill to prepare a variety of documents including reports, proposals, formal letters and emails. However, they often lack training in the craft of effective writing. Gain the necessary skills for communicating through clear and concise language in effective documents. Discover how to increase clarity in technical documents by learning skills related to audience needs, document organization, paragraph development and using powerful sentences. Acquire practical skills that you can use immediately to prepare high-quality documents. Strengthen your skills through a series of short writing exercises, and analyze examples of good and bad writing and the effect that both can have on the success of a project.</p> <p>Note: Please bring a sample of your writing to class so you can practice your new skills.</p>	Land Use & Natural Resources
500122	Sustainable Erosion Control: Effective BMPs	<p>Effective erosion and sediment control is rooted in a fundamental and comprehensive understanding of site processes and basing the selection and application of Best Management Practices (BMPs) on those processes. This course will present the art and science of proper BMP selection and implementation. Students will learn concepts of sustainable erosion control and advanced methods for 2:1 Highway Slopes curriculum and BMPs developed by California Department of Transportation and how to install BMPs that allow nature's own erosion control processes to provide long-term sustainable site protection. Case studies will be used to describe challenging site conditions and how BMPs were selected and installed to provide sediment and erosion control. Dirt Time videos will give attendees as close to a hands-on experience as possible from the classroom environment!</p>	Land Use & Natural Resources
365480	Workplace Health and Safety Online Information Session	<p>Please join us in this online webinar to explore career opportunities in workplace health and safety and environmental compliance. If you are seeking a career in safety management, environmental management, loss control, risk assessment, hazardous waste work, emergency management, construction, manufacturing, workers compensation, ergonomics or hazardous materials management, this free information session can provide the answers you are looking for.</p> <p>You will hear from industry professionals, instructors and staff who have an array of experience in environmental, health and safety management. Discover how UC Davis Continuing and Professional Education's courses and programs can help advance your career or provide you with a new career. We offer:</p> <p>Workplace Health and Safety Manager Certificate Program 8-hour HAZWOPER training</p> <p>A question and answer session will be included.</p> <p>Enroll today!</p>	Occupational & Environmental Management

504007	Courses for State Water Resources Control Board		Land Use & Natural Resources
338110	Viticulture for Winemakers	<p>All winemakers and winery owners know that great winemaking begins in the vineyard. This course is designed for winemakers to review how basic viticulture relates to wine production and wine quality. Learn the science behind how wine grapes are grown and study the biological, environmental and managerial factors that influence fruit quality. During the course, you will develop a hypothetical vineyard to meet specific winemaking objectives. Course topics include the importance of quality plant material, soils and cover crops, grapevine diseases and pests, vineyard development and vine nutrition. By the end of the course, you will have an understanding of growing season influences and practices, vineyard design and economic analysis.</p> <p>Learning Outcomes</p> <p>Understand basic botany and vine physiology and how it relates to fruit production, winemaking and wine quality  Recognize the seasonal vine growing cycle and environmental and management factors that influence grape quality  Compare management practices and their impact on vineyards and fruit quality while incorporating economic input</p> <p>Skills You Will Gain</p> <p>Wine grape botany and physiology  Irrigation concepts and goals  Vineyard design</p>	Agriculture
501160	Planning and Sustainability Online Information Session	<p>Join us for this free online information session to hear about our programs in our Planning and Sustainability portfolio. Meet our instructors and staff and learn what our programs can offer you. Our program is the largest of its kind in the western United States, meeting the continuing education needs of planners, attorneys, resource managers, government officials, developers and others involved in the planning process and the management of environmental resources. We offer courses and programs in the following areas: Land Use Planning, Natural Resources, Public Finance, Public Policy, Water Resources, Geographic Information Systems, Sustainability and Conflict Resolution. Get your questions answered and learn about how our programs can help you advance your career.</p> <p>Reserve your spot today!</p>	Land Use & Natural Resources
412660	Introduction to Open Source GIS	<p>This class will introduce the concepts and utilization of Open Source GIS and spatial databases in an integrated format. Students taking this course should already have basic knowledge and experience with various GIS data formats (shapefiles, geodatabases, CSVs, Rasters, etc.) and GIS concepts (projections/coordinate systems and geoprocessing). During in class exercises we will use QGIS 3.6, a cross platform (Windows, Mac, Linux) open source GIS desktop software, to learn how to make maps by symbolizing, querying and editing data. Students can expect to learn the following concepts:</p> <p>Open Source GIS Data standards  Adding data and making a map in QGIS  Working with and querying attributes  Editing spatial and attribute information  Installing and using plugins in QGIS  Working with coordinate systems in QGIS  Introduction to the concepts of Open Source GIS Web Mapping</p>	Land Use & Natural Resources
100820	CEQA Update, Issues and Trends	<p>Implementation of CEQA continues to be a challenge for professionals due to annual legislative, regulatory and judicial developments. CEQA practice is constantly evolving, raising new issues and revealing new trends. Learn recent developments and emerging trends, and exchange ideas about handling key issues in the environmental review process. Examine recent CEQA legislation, as well as recent and upcoming regulatory changes.</p> <p>Review the latest CEQA court decisions and their practical implications, including:</p> <p>Common sense exemption  Categorical exemptions and exceptions (including the recent Calif. Supreme Court decision Berkeley Hillside Preservation v. City of Berkeley)  Negative declarations and mitigated negative declarations, as well as the fair argument standard and when a record contains substantial evidence  Environmental impact reports and the adequacy of impact analysis (including impacts to agricultural resources)  Mitigation measures, agency rule-making requirements and agency requirements to mitigate per Legislature s directive (including recent Calif. Supreme Court decision City of San Diego v. Board of Trustees of the California State University)  Trigger for supplemental or subsequent CEQA documents (versus addendums)  Tiering from functional equivalent documents or General Plan EIR  Litigation matters</p>	Land Use & Natural Resources

101670	Vested Rights, Vesting Maps and Development Agreements	<p>Development agreements are an effective avenue for a community and developer to come together and process a project. Both sides of the table need to carefully consider the terms of these contracts and explore questions of content and performance before completing such an agreement. Learn the legislative and judicial aspects of development agreements.</p> <p>Examine the legal basis for development agreements and the overlap between agreements and vesting subdivision maps. Participants will learn the negotiation process, identify and discuss the range of options available when negotiating a development agreement, and review the theoretically possible agreement. Consider the key points of an agreement, learn ways to assist in understanding the needs of the other side and select the players to conduct the negotiation.</p> <p>Topics include:</p> <ul style="list-style-type: none"> <li>Common law vested rights</li> <li>Legal review</li> <li>Development agreements vs. vested maps</li> <li>The Development Agreement Statute</li> <li>Key terms and alternative approaches</li> <li>Considerations in negotiating the agreement</li> <li>Contents of an agreement</li> <li>Testing the waters</li> <li>Paper control: who drafts the document</li> <li>Enforceability</li> <li>How to implement agreements</li> <li>What happens after the life of an agreement</li> </ul>	Land Use & Natural Resources
504770	Produce Professional Certificate Program	<p>With a 40-year history, and a cadre of the most respected experts in the field, the UC Davis Postharvest Technology Center is ripe to introduce its new Produce Professional Certificate Program the first-of-its-kind for produce industry professionals. The program allows participants to customize their curriculum through an a-la-carte menu in addition to a core set of courses. Based on a point system, the program awards one point for each hour of instruction. This includes a minimum of 76 hours of required courses and approximately 44 hours of optional courses and lectures for a total of 120 points to earn a certificate.</p> <p>Certificate completion can be achieved with attendance at as few as three on-site courses, which may be taken in any order during the four-year time frame. Online modules may be taken at any time. We will honor a three-year retroactive option to participants enrolled in previous courses who pass the test for each course attended. Participants will complete a course, in person or online, take an online quiz and, upon earning the required score (80%), receive a record of achievement.</p> <p>After completing 120 points, the UC Davis Postharvest Technology Center will award participants their well-deserved Produce Professional Certificate, presented in a custom frame.</p>	Agriculture
501562	Core M1: Fairness and Equity	<p>In this half-day classroom module, participants will receive an introduction to cultural humility, disproportionality and disparity in child welfare.</p>	Northern Training Academy
396960	Climate Action Planning and Implementation	<p>Climate action planning is the process of developing and implementing policies and programs to reduce greenhouse gas emissions and increase community resilience. The methods and tools for doing climate action planning have matured and robust best practices have emerged. The course will present a complete process for climate action planning from getting started to implementation and monitoring, including many examples from local practice. Several successful cases will be discussed. Specific topics that will be addressed include:</p> <ul style="list-style-type: none"> <li>Getting started and logistical issues such as cost, funding, scheduling and staffing</li> <li>Preparing and implementing a public participation program</li> <li>Conducting an audit of existing community policies and activities</li> <li>Conducting a greenhouse gas emissions inventory and forecast</li> <li>Conducting a climate change vulnerability assessment</li> <li>Developing greenhouse gas emissions reduction strategies and climate adaptation strategies</li> <li>Creating a successful implementation program including prioritizing and funding</li> <li>Monitoring and updating policies and programs</li> <li>Integrating the climate policies and programs into the General Plan</li> <li>Developing qualified GHG reduction strategies for CEQA purposes</li> <li>Understanding state and federal climate change law and policy including AB 32 and SB 375</li> </ul>	Land Use & Natural Resources

505165	Successfully Complying with NEPA: Intermediate and Advanced Topics	<p>National Environmental Policy Act (NEPA) practice is constantly evolving through new federal agency and Council on Environmental Quality (CEQ) guidance and federal court decisions. Designed for intermediate to advanced NEPA practitioners, applicants and attorneys who already have a basic understanding of the NEPA process, this workshop will cover a number of topics in NEPA practice, including:</p> <p>Updates on recent administration and congressional policy changes  Key recent federal court decisions  Recent federal initiatives and practice tips for expediting the NEPA process  Constructing a legally-sufficient purpose and need and reasonable range of alternatives  How best to tackle cumulative impacts analysis</p>	Land Use & Natural Resources
296941	Japanese Agricultural Training Program	DNP	International Enterprise
501606	Core M3 Field Activity: Fairness & Equity in Practice	TBD	Northern Training Academy
102180	Wetlands Regulation and Mitigation	<p>Learn about the regulation of activities affecting wetlands, permitting for activities in wetlands and wetlands mitigation planning. Gain an overview of federal and state laws and regulations protecting wetlands and other bodies of water, with a special emphasis on Section 404 of the Clean Water Act. Topics include:</p> <p>Biological and legal definitions of wetlands  Consistencies and differences among various federal and state agencies  Section 10 of the Rivers and Harbors Act  Section 404 of the Clean Water Act and recent legal interpretations  Section 1600 of the California Fish and Game Code  Wetlands under the California Environmental Quality Act and the National Environmental Policy Act  EPA and USACE Mitigation Rule</p>	Land Use & Natural Resources
501232	Emergency Preparation and Management	<p>Is your organization prepared for emergency situations? Through real-world case studies and interactive learning, workplace health and safety professionals will gain insight into being more proactive in emergency preparedness by developing strategies to help prevent and mitigate hazards, as well as for response and recovery efforts. By the end of this course, students will improve their abilities and understanding of disaster notifications, crisis management skills, decision making under pressure, effective communication techniques and media and public relations factors.</p> <p>Learning Outcomes</p> <p>Develop effective emergency preparation plans for an organization.  Identify and assess risks and potential hazards that could cause or worsen emergency situations.  Correct or remediate hazards to reduce risks and potential impacts.  Respond to emergency situations in an appropriate manner.</p> <p>Skills You Will Gain</p> <p>Emergency management  Incident management and command systems  Flood and disaster preparation  Action planning</p> <p>This is a required course for the Workplace Health and Safety Manager Certificate.</p>	Occupational & Environmental Management
505823	Resiliency Planning Program Information Session - Webinar	<p>Resiliency planning is a topic every community must address. In response to this growing need, UC Davis Continuing and Professional Education has developed the Resiliency Program in order to provide the resources, tools and best practices people require to respond to the ever-increasing threat of natural disaster. Join us as we kick-off the new Resiliency Program with this free webinar. We will preview our upcoming courses (which officially start on October 10th), highlighting some of the important topics facing communities, including pre and post disaster planning, securing funding on the local and federal level, how to manage in an ever-changing climate and so much more. You will also hear from some of the program's instructors, who will be available to answer questions.</p>	Land Use & Natural Resources

154360	Environmental Planning and Site Analysis	<p>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. Special focus is given to analyzing site suitability and sensitivity for development, site selection and feasibility studies and conceptual design that responds to site conditions.</p> <p>In this course, you will:</p> <p>Develop an understanding of how to conduct site opportunity and constraint analysis that contribute to good land use decisions.</p> <p>Understand the basic natural and cultural components of a site and region and how these components are interrelated.</p> <p>Achieve basic skills necessary to evaluate and compare the value of mapped data.</p> <p>Acquire critical thinking skills to be able to use complex data, synthesize information and select that which is most significant for decision making.</p> <p>Learn graphic methods of compiling, recording and displaying information on environmental, cultural and economic factors.</p> <p>Understand the value and importance that analysis of the natural and the manmade environment have in planning, design and environmental decision-making.</p>	Land Use & Natural Resources
401450	Introduction to Geographic Information Systems	<p>Geographic Information Systems (GIS) is an exciting set of technology tools used in almost every field imaginable. Knowledge of GIS and experience with spatial analysis will enhance your resume and allow you to analyze and manage your data more effectively than ever before. Gain an overview of GIS in this hands-on workshop. Learn about terms and concepts, available systems, data sources and design and policy decisions that must be addressed prior to implementation of a GIS project. By combining lectures and hands-on experience working with ArcGIS, this course will provide you with a basic working knowledge of GIS and a concrete sense of the planning and design work involved in using GIS.</p>	Land Use & Natural Resources
309830	Current Issues in Vineyard Health	<p>Lectures are provided by a talented group of speakers comprised of UC faculty, departmental experts and UC farm advisors chosen for their involvement in developing solutions to the problems associated with grape pests and diseases. Speakers will provide the latest information on current topics, including:</p> <p>Breeding grapevines for disease resistance  Controlling grape fungal diseases in the vineyard  Managing grapevine viral diseases and their vectors  Grapevine disease ecology and epidemiology  The grape grower's role in managing exotic pests and diseases</p> <p>Download the course agenda.</p>	Agriculture
154370	Financial Aspects of Planning	<p>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.</p> <p>Topics in this course include:</p> <p>Fiscal impact analysis and its importance  Local government revenues  Public debt and its alternatives  Fiscal and financial analysis and how they fit into the planning process  A developer's perspective of how planning decisions affect the bottom line  The balance between the goals and objectives of public and private-sector participants</p> <p>Approximately 20 hours of study and full attendance to all course meetings are required.</p>	Land Use & Natural Resources
334060	Introduction to Conflict Resolution	<p>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 and facilitating group dynamics. Discover leading models in the field and apply these to current cases using practical strategies to effectively transform conflicts.</p>	Land Use & Natural Resources

154120	Health and Safety for Workers: Laws and Regulations	<p>Designed for individuals who have interests in, or responsibilities for, administering occupational health and safety programs, learn the relevant laws and regulations pertaining to occupational health and safety. Topics include Cal/OSHA and federal OSHA; criminal considerations, such as supervisors and managers responsibilities; workers compensation jurisdiction, claims and benefits; the claims process and program administration; and legal liability. Through interactive case studies, illustrate common issues and demonstrate ability to solve simple and complex problems. By the end of this course, students will demonstrate working knowledge of workplace safety laws and regulations.</p> <p>Learning Outcomes</p> <p>Understand CAL/OSHA and OSHA operations, compliance, standard setting and consultation  Become aware of criminal sanctions used in health and safety violations  Understand worker s compensation insurance  Awareness of professional liabilities health and safety practitioners are exposed to</p> <p>Skills You Will Gain</p> <p>OSHA and CAL/OSHA compliance  Professional liability  Worker s compensation adjudication  Sanitation, fire safety and building codes</p> <p>This is a required course for the Workplace Health and Safety Manager Certificate.</p>	Occupational & Environmental Management
504781	Everlead Education STEM Program		International Enterprise
505811	Using GIS for Cannabis Regulation	<p>GIS is key to transparency. It provides local government with the ability to map the various commercial and residential sectors in a community. This class will introduce students to concepts in GIS for cannabis regulation. Using ArcGIS Pro 2.3 and ArcGIS Online, students will learn how to make maps and web mapping applications for cannabis regulation purposes. Students are expected to have previous GIS experience or have taken an introduction to GIS course. Students will learn the following concepts:</p> <p>Introduction to cannabis laws at the city, county and State level  Introduction to ArcGIS Pro and ArcGIS Online  Introduction and review of layer types in ArcGIS Online  Introduction to Geocoding in ArcGIS Pro  Building Web Apps using ArcGIS Online Web App Builder</p>	Land Use & Natural Resources
505490	Pesticide Educational Resources Collaborative - FY2020 (PSPERO5)		Occupational & Environmental Management
505913	Shandong Agricultural University EST Program		International English & Professional Pgm
503955	Geographic Information Systems (GIS) Specialization on Coursera	<p>Created by UC Davis Continuing and Professional Education and hosted on the Coursera platform, this is an online course consisting of pre-recorded video lectures, auto-graded and peer-reviewed assignments and community discussion forums. This specialization program is self-paced and designed to help you master a specific career skill in as little as 4-6 months.</p> <p>Knowledge of Geographic Information Systems (GIS) is an increasingly sought after skill in industries from agriculture to public health. This self-paced Specialization, offered in partnership with ArcGIS developer Esri, will teach the skills you need to successfully use GIS software in a professional setting. You will learn how to analyze your spatial data, use cartography techniques to communicate your results in maps, and collaborate with peers in GIS and GIS-dependent fields. In the final Capstone Project, you will create a professional-quality GIS portfolio piece using a combination of data identification and collection, analytical map development, and spatial analysis techniques.</p>	Land Use & Natural Resources
505566	Pesticide Education for Medical Professionals - FY2022 (PSPME05)		Occupational & Environmental Management
409670	Napa Infant-Parent Mental Health Fellowship	N/A	Health Sciences
504452	Pesticide Educational Resources Collaborative - FY2018 (PSPERO3)		Occupational & Environmental Management
505984	California Water: Past, Present and Future	This lecture will review water management in California from early times to the present, with a look into changes and challenges for the future. California s unique hydrology and the development of water infrastructure and institutions to serve changing water demands will be emphasized. Finally, we ll discuss how our system can adapt with changes in climate, economic structure and environmental objectives.	Senior Programs



505988	Science Grand Rounds: Global and National Climate Change Update	Climate change is probably the most important issue regarding our future survival on this planet, and recent international, national science and political reports point to important trends in our changing climate. This course will offer an update on the latest thinking on this issue and show some possible actions that may or may not alter the trajectory of change.	Senior Programs
505998	Conflict Resolution Skills for the Workplace	The objective of this one-day course is for leaders to learn how to develop and put into action a process that resolves a dispute and restores balance in the workplace. Participants will learn the research behind effective conflict resolution practices, and put these techniques to use in small group exercises. Practical classwork will include de-escalation, fact finding, facilitation, negotiation, mediation, and writing, implementing and monitoring resolution agreements. Participants will learn the steps necessary for identifying the underlying sources of conflict, determine the facts, manage multi-party talks and address emotions. How to rebuild and maintain trust will also be discussed.	Land Use & Natural Resources
361610	Current Wine and Winegrape Research	Competitive grants have funded some of the most exciting new and broad-reaching research on issues relating to wine grapes and enology. Enjoy a full day of brief, 20-minute presentations by researchers describing their current projects in this unique forum.  This is an exclusive opportunity to hear and discuss the latest research directly from these highly-regarded researchers. Topics include work on grapevine breeding and evaluation, cultural practices, disease and insect pest control, and enology. The 20-minute report format allows for synopses of many projects in a single day. Each scientist will have 15 minutes to speak and an additional five minutes to answer questions from the audience.  The researchers competed successfully for grants from the American Vineyard Foundation, a nonprofit corporation supporting research in viticulture and enology. To qualify for these grants, researchers must submit yearly grant proposals and reports, undergoing continuous scrutiny of their work from peer review panels.  A wine reception, co-sponsored by the American Vineyard Foundation and the National Grape Research Alliance (NGRA), during which you can meet the researchers, will follow the presentations.	Agriculture
505088	Mustangs: A Living Legacy	Track and observe wild mustangs in the last remaining herd area not managed by man in the barren and remote high desert area of Pizona in Inyo National Forest, which plays host to North America's wildest bands of mustangs. This trip combines a superb outdoor adventure with a unique educational experience.  Spend four days observing and photographing the free-roaming herds, blooming wildflowers and other resident wildlife. Enjoy awe-inspiring vistas with their rugged beauty and stunning mountain sunsets. Experienced guides and instructors will lead evening discussions on the history, social behavior and uncertain future of these proud animals. While this adventure is open to any level rider, you should be prepared to ride three to six hours a day with a break for lunch. The group will operate from a base central meadow camp and ride out each day to open range.  LOCATION  The program site is the Montgomery Pass Wild Horse Range, a Pinyon pine forest and high desert region northeast of Bishop, Calif. This area, on the Nevada-California border, is nestled in view of the Sierra to the west and the White Mountains to the south.  FORMAT  The program consists of a series of informal but structured presentations and discussions spread throughout a wilderness horseback camping experience. The mixture of organized and free time permits you to enjoy the full spectrum of this pristine environment. Throughout this trip, you will be riding with the instructor and his staff members. The group stops periodically for observation, food, informal discussion, rest and seminars. Be prepared to ride at least six hours each day.  LECTURE AND LABORATORY TOPICS	Agriculture
204830	Groundwater Law and Hydrology	This course is essential for professionals working in water resources in California. Effective groundwater management requires a combined understanding of the legal principles and physical characteristics of the resource. Acquire a working knowledge of groundwater law and hydrology, and discover new developments in case law, legislation and practice.  Receive thorough instruction on the physical characteristics of groundwater and the fundamental tenets of California groundwater law, including distinctions between percolating groundwater and surface water, the definition of basin boundaries, interrelated concepts of safe yield and overdraft, and different categories of groundwater rights. Examine alternative problem-solving approaches to address specific groundwater allocation and quality problems, such as management plans, physical solutions and court adjudication. You will also review case studies from groundwater disputes throughout California. Participants are encouraged to relate their own case studies and specific problems during the course.	Land Use & Natural Resources

276020	Cultural Resource Management: CEQA, NEPA and Section 106	Learn how cultural resource concerns can help or hinder your community or development projects and how these concerns can derail environmental review or become part of a community's sustainable design strategy. Gain an understanding of key historic preservation laws and how historic preservation can be an asset for community revitalization as well as for successful commercial and residential projects. Explore practical issues involved with implementation and avoid unnecessary delays in environmental reviews by learning how to comply with historic preservation requirements under CEQA and NEPA, as well as Section 106 of the National Historic Preservation Act.	Land Use & Natural Resources
101290	Endangered Species Regulation and Protection	<p>Review current federal laws, regulations, policies and practices concerning threatened and endangered wildlife and plants. Gain practical advice for resolving endangered species conflicts with proposed projects. Examine key aspects of the federal Endangered Species Act and agency policies and guidelines on:</p> <p>Section 4(d) rules  Section 7 consultation and biological assessments  Section 10(a) incidental take permits  Habitat Conservation Plans (HCPs)  Safe Harbor policies  No Surprise policies</p> <p>Also examine the most recent case law and policies regarding California's implementation of the Endangered Species Act, including:</p> <p>Section 2081 incidental take permits  The California Native Plant Protection Act  Endangered species provisions of CEQA  The Natural Community Conservation Planning Act</p>	Land Use & Natural Resources
378900	Industrial Safety Hazard Control	<p>Identifying and removing hazards can prevent workplace incidents before they occur. In this course designed for safety consultants and managers, expand your understanding of industrial safety hazard control by identifying and assessing hazards in the workplace. Through hands-on learning and case studies, understand how to recognize priority hazards as well as strategies for removing them. By the end of this course, students will understand how to use regulations as tools to identify and control hazards.</p> <p>Learning Outcomes</p> <p>Understand how to identify and apply OSHA, Cal/OSHA and other relevant regulations relevant to industrial operations.  Gain the ability to assess industrial workplace hazards and identify violations of regulations.  Learn how to identify and implement corrective measures and engineering controls to protect worker safety.</p> <p>Skills You Will Gain</p> <p>Process Safety Management  Fall protection  Vehicle, machine, fire and explosion hazard prevention</p> <p>This is a required course for the Workplace Health and Safety Manager Certificate.</p>	Occupational & Environmental Management
506013	Reproductive Health Law		Open Campus
506061	Envir Hort/Urban Forest		Open Campus
503967	General Mental Health Overview		General Social Services

505624	Aging and Mental Health	<p>During this highly engaging and captivating skill-building session, participants will review characteristics of common mental health disorders to better understand challenges and problem-solve solutions when working with clients with mental health issues. This workshop will explore the concept of aging and long-term chronic care with a basic understanding of the aging process that will enhance participants ability to perform investigations and make appropriate evaluations. Participants will explore behaviors associated with complex and challenging mental health, dementia or other neurological conditions to include aggression, wandering and agitation. As a result of this workshop, participants will have a working knowledge of the mental health disorders of aging, a familiarity with psychosocial assessments and assessing for capacity enabling them to better serve elderly clients in the field.</p> <p>Topics include:</p> <p>Exploring the concept of aging and long-term chronic care  Reviewing mental health issues as they pertain to provision of services, planning, needs assessment, treatment, program evaluation and financing  Analyzing mental health, cognitive issues and psychological changes caused by aging and its effects on body systems  Examining the continuum of long-term care services in relation to aging and the nature of chronic illness  Discussing psychosocial assessments of aging adults  Understanding services with relationship to the aging adults support system  Evaluating the challenges of dependency and the daily challenges and obstacles older adults face</p>	General Social Services
506113	Wildl Ecol Conserve		Open Campus
393850	Mental Health First Aid	<p>This workshop is an eight-hour, evidence-based course that provides participants with the techniques to help someone who is developing a mental health problem or experiencing a mental health crisis. This workshop also assists helping professionals identify, understand and respond to signs of mental illnesses and substance use disorders.</p> <p>Topics Include:</p> <p>Describing the most common mental health conditions in the U.S.  Recognizing signs and symptoms of someone who may be developing a mental health or substance use disorder  Employing the five individual steps of the Mental Health First Aid Action Plan  Developing Mental Health First Aid Action Plans</p>	General Social Services
506163	Fish and Wildlife Contract Courses FY 2019-2020		Land Use & Natural Resources
505787	Cultural Competency with LGBTQ+ Individuals and the Community	<p>This course will provide employees with foundational information about sexual orientation, gender identity, and gender expression. It will also provide an overview of the unique challenges LGBTQ+ members of the public and employees face, including: identity development, cultural intersectionality, managing stigma, stressors and risks, health and safety concerns, and employment and housing discrimination. It will also give participants the opportunity to explore their understanding and beliefs about the LGBTQ+ community.</p> <p>Topics Include:</p> <p>Understanding the unique challenges the LGBTQ+ public may face when interacting with county departments and employees.  Identifying how stigma, prejudice, cultural intersectionality, and trauma impact the lives of LGBTQ+ individuals.  Increasing awareness to become more culturally competent when working with LGBTQ+ public and co-workers.  Creating a more respectful and culturally competent work environment for LGBTQ+ members of the public and employees.  Recognizing and building ally skills with LGBTQ+ individuals and the community.</p>	General Social Services
505798	Writing Social Justice		Open Campus
41158	Updating Transportation Analysis in CEQA: How to Effectively Implement SB 743	<p>Senate Bill 743 required OPR to develop revisions to the CEQA Guidelines establishing criteria for determining the significance of transportation impacts. Discuss changes to the CEQA Guidelines for analyzing transportation impacts that focus on the use of vehicle miles traveled (VMT) as a measure of transportation impact, rather than level of service (LOS). Examine the key differences between VMT and LOS, gain an overview of VMT calculation methodologies and explore examples of the factors to consider in developing significance thresholds. As part of the thresholds subject, examples of transportation impact analysis using LOS and VMT will be discussed for various land development and transportation infrastructure projects. Planning, legal and other considerations will be covered with respect to shifting from LOS to VMT.</p>	Land Use & Natural Resources
506197	Seeds of Perpetual Conflict: British Mandate for Palestine and Birth of Israel	<p>The Near East has endured eight wars since the State of Israel was recognized by the U.N. in 1947. This protracted and seemingly perpetual conflict between Israel, the Arab people of Palestine, and the Arab nations in the Near East has evaded all attempts at resolution. A part of this controversy that is sometimes forgotten arose between 1922 and 1948 when Britain ruled Palestine under a mandate from the League of Nations. We will explore the British Mandate, the roots of the current political strife, and possible ways to move forward in the direction of a better future.</p>	Senior Programs

505291	Mental Health in APS	<p>During this highly engaging and captivating skill building session, participants will review characteristics of common mental health disorders to better understand challenges and problem solve solutions when working with clients with mental illness. While exploring the stereotypes and stigmas surrounding mental illness, participants will develop empathy which will help the APS worker enhance rapport building skills and understanding to ensure a thorough service plan is created. Participants will work through a powerful thought disorder simulation, allowing them to walk in the shoes of someone who is living with untreated mental illness. This skill based session provides participants a safe place to explore working through a suicide risk assessment in order to confidently asses for suicide risk when working in the field.</p> <p>The following instructional strategies are used: Loosely Structured Team Based Learning model, experiential exercises (e.g., small group discussion, case studies); PowerPoint slides and video clips; participant guide (encourages self-questioning and interaction with the content and process); and transfer of learning tool to access knowledge and skill acquisition and how these translate into practice in the field.</p>	General Social Services
506225	Integrating Computing and Robotics into STEM Education	This C-STEM 2-Day Workshop will provide K-14 teachers with hands-on experience on how to use freely available C-STEM Studio and RoboBlockly, as well as C-STEM Math-ICT curriculum with interactive coding, making and robotics that aligns with the Common Core Math and ICT Sector standards to develop students' 21st century problem-solving skills and better prepare students for college and careers. Teachers will also learn physical computing using general purpose input/output (GPIO) pins with Arduino, control of Linkbot and NXT/EV3 robots through Arduino, and how to bring physical computing and free C-STEM resources into their classroom teaching of STEM, computer science, making and robotics courses. Whether or not you have previous coding and robotics experience, you will enjoy the workshop enormously.	Education
506227	Agriculture and Society		Open Campus
506230	African-Am Culture & Soc		Open Campus
239350	Public Real Estate Transactions	<p>Hone your understanding of the public real estate transaction process with essential knowledge for anyone in the public or nonprofit sectors involved in the acquisition, resale, appraisal or management of public property. Learn the fundamental processes that must be followed, whether for road right-of-ways, public works projects, parks, open space, agricultural or habitat easements, utilities or other purposes. Through detailed case studies, you will learn:</p> <p>Due diligence procedures for appraisals  Hazardous materials assessments  Insurance, title searches, liens and loans, as well as negotiation strategies with multiple agencies and parties</p>	Land Use & Natural Resources
501235	The General Plan in California	<p>Does your community need to update its General Plan? David Early, author of The General Plan in California, and Joanna Jansen, who has prepared over a dozen General Plans throughout the state, will share their insights on the best practices for general plan preparation. Learn how to scope and budget the project, hire consulting assistance as necessary and finish the project in an efficient and comprehensive manner. Topics include:</p> <p>General plan law and requirements  Public involvement in general planning  Sustainability and environmental justice in the general plan  Data collection, mapping and land use inventories  Preparing and evaluating alternatives  Integration of CEQA</p>	Land Use & Natural Resources
350040	Community Involvement and Communication in Planning	Learn the theoretical background and the hands-on practice of involving stakeholders in urban planning and design decisions and natural resources policies. Practice selected communication and facilitation techniques that create mutually beneficial solutions. Examine how to assess a case situation and determine what type of public process is right for each situation. Discuss the strengths and weaknesses of techniques used in public involvement. Explore different approaches to communicating complex and technical planning information to community groups. Using several simulated negotiations, engage as stakeholders or facilitators to resolve complex public policy problems in urban planning. Examine case studies and analyze what went well, what went wrong and why.	Land Use & Natural Resources
506236	California Wildfires: Strategies for Planning and Mitigation	Fire season in California has expanded to become a year-round issue. With the increasing strength and frequency of fires in California, it is critical that we address some contributing factors and develop strategies to mitigate their future occurrence. What is the role of local government, and how should cities and counties coordinate with their partners? How do local mitigation plans connect with wildfire prevention and community preparedness, and how should they be modified to better prevent disaster? What are the roles of the State and FEMA? Both rural and urban communities are threatened as stronger wildfires encroach beyond the Wildland Urban Interface into increasingly developed areas. We'll explore all of this and discuss how communities can develop specific next steps for prevention and preparation.	Land Use & Natural Resources

276000	Water Quality Regulation and Permitting	<p>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. Topics include:</p> <p>A regulatory overview of the federal Clean Water Act  The California Porter-Cologne Water Quality Act  Basin planning and waste discharge requirements  National Pollutant Discharge Elimination System permits  The jurisdictions of key agencies such as the California Environmental Protection Agency and state and regional water boards</p> <p>This course will also cover recent updates and changes in California water quality regulations.</p>	Land Use & Natural Resources
101220	EIR/EIS Preparation and Review	<p>Many projects are subject to local, state and federal environmental review and noticing requirements. 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. Examine the key content requirements and standards for a combined EIR/EIS document. Learn how to ensure the EIR/EIS notice and review process complies with the procedural requirements and how to resolve potential conflicts between the acts. Discover real-world case studies of successful EIR/EIS integration.</p>	Land Use & Natural Resources
333900	Using Master Plans, Specific Plans and Community Plans to Create Great Places	<p>Local governments can use specific plans as tools to plan for needed revitalization and change in existing neighborhoods and in new development areas. Specific plans can help create great communities by providing detailed planning and design guidance, and by focusing attention on specific development areas. They can jumpstart new development in depressed areas and ensure the public gets the quality it desires in any new development.</p> <p>Receive an overview of specific plan preparation, with an emphasis on balancing planning, design and financial considerations. Course instructors include a planner/urban designer and a real estate economist, who will give you an understanding of how land use, design and market issues interact in specific plan development.</p> <p>Topics include:</p> <p>Legal requirements for specific plans  Land use planning  Urban design concepts  Market studies to determine appropriate uses  Design guidelines  Community involvement  CEQA review  Fiscal impact analysis  Plan implementation  Financing techniques</p> <p>You will also learn how to scope and budget a project, hire consulting assistance if necessary, and finish the project on schedule and on budget.</p>	Land Use & Natural Resources
205450	Habitat Conservation Planning	<p>Under the Endangered Species Act, Habitat Conservation Plans (HCPs) are becoming increasingly common regulatory necessities and planning tools for many, including joint-powers agencies, cities and counties, local districts and state agencies, energy companies and private developers in California. Recent listings of threatened and endangered species have resulted in conflicts with existing and planned land use and water projects.</p> <p>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 HCPs. Topics include:</p> <p>Endangered Species Act Section 10 requirements for HCPs and conservation planning guidelines  California Natural Community Conservation Planning Act process guidelines  Regional conservation plans and low effect HCPs  Integrated compliance with Section 404 of the Clean Water Act wetlands and stream regulations  No surprises, safe harbors and candidate conservation agreements</p>	Land Use & Natural Resources
505818	Practical Application of Writing Skills in CEQA Documents	<p>This course provides a hands-on learning opportunity for writing effective, legally defensible CEQA documents. Framed around a hypothetical project, students will be led through writing exercises, drafting a project description for a Negative Declaration and then outlining the regulatory, setting and impact analysis section for their selected resource. Working in groups, students will review common issues when preparing CEQA documents, including data needs, appropriate level of detail and approach to analysis. And, finally, the class will conclude with a discussion of the alternatives analysis and cumulative analysis.</p>	Land Use & Natural Resources

505822	Recovery Planning: Pre and Post Disaster	In this course, students will gain an overview of the distinct ways that California and other states and communities plan for disasters before and after they occur. Through group discussion and lecture, we will cover the key elements of disaster recovery plans and gain an understanding of FEMA's National Disaster Recovery Framework, as well as the data sets typically used to inform recovery plans. Discover how various disciplines including, emergency management, environment, public health, and housing and community development practitioners approach disaster recovery planning.	Land Use & Natural Resources
506299	Land Conservation		Open Campus
506337	Water Quality at Risk		Open Campus
506339	Greenhs & Nurs Crop Prod		Open Campus
501415	Tribal Pesticide Program Council - FY2017 (PSTPP02)	\N	Occupational & Environmental Management
353120	Special Status Amphibians and Reptiles of Northern California	This course covers the identification, distribution, natural history, ecology, conservation history and conservation status of all the Northern and Southern California amphibian and reptile species and subspecies that are listed as threatened or endangered by the California Department of Fish and Wildlife (CDFW) or the U.S. Fish and Wildlife Service. This course also covers all Northern California and selected Southern California species included in the current (2016) edition of the UC Press/CDFW publication California Amphibian and Reptile Species of Special Concern, such as the western pond turtle and the coast horned lizard. Also included is introductory material on survey techniques. The course is designed for agency biologists, consultants, planners, public utilities staff and others who are interested in the natural history and conservation biology of Northern California amphibians and reptiles.	Land Use & Natural Resources
378900	Industrial Safety Hazard Control	Identifying and removing hazards can prevent workplace incidents before they occur. In this course designed for safety consultants and managers, expand your understanding of industrial safety hazard control by identifying and assessing hazards in the workplace. Through hands-on learning and case studies, understand how to recognize priority hazards as well as strategies for removing them. By the end of this course, students will understand how to use regulations as tools to identify and control hazards.  Learning Outcomes  Understand how to identify and apply OSHA, Cal/OSHA and other relevant regulations relevant to industrial operations. Gain the ability to assess industrial workplace hazards and identify violations of regulations. Learn how to identify and implement corrective measures and engineering controls to protect worker safety.  Skills You Will Gain  Process Safety Management Fall protection Vehicle, machine, fire and explosion hazard prevention  This is a required course for the Workplace Health and Safety Manager Certificate.	Occupational & Environmental Management
506362	Climate Change and Resilience at the Community Level	Local and regional government across the state are struggling to address new regulatory mandates around climate change adaptation and resilience, extreme events and hazard mitigation/disaster recovery. This course will briefly walk the student through the federal, state, regional and local context for resilience, focusing on the local government perspective. The class will then work through the California State specific paradigm, where some local government planning 101 will be provided to support a deeper examination of how local governments are required and incentivized to plan for climate change adaptation and resilience. Lastly, the class will build capabilities around what to consider when implementing programs and policies, developing RFPs, considering short and long term funding and how to create a sustainable resilience initiative at the local level. A variety of professionals would benefit from attendance, including public agency planners, elected officials, city managers, finance professionals, attorneys, sustainability professionals, developers, regulators, state agency staff, and others.  Students will leave with an understanding of how to address climate adaptation and resilience in California, including:  Basic background of what climate change adaptation and resilience means at the State, regional and local level Legislation specific to California that drives mandates and incentives to address climate change adaptation and resilience Specific resources/processes that are required to be used in California for addressing climate change adaptation and resilience Understanding of how to incorporate resilience and climate change impacts/adaptation into local government plans such as in a general plan, adaptation/resilience plan, local hazard mitigation plan and others Understanding of implementation and financing tools to support resilience and climate change impacts/adaptation priorities	Land Use & Natural Resources

506428	Sustainable Agriculture in California: The Good, the Bad and the Ugly	A brief history of the evolution of sustainable agriculture will be presented and how it relates to other approaches to farming, such as organic and biodynamic agriculture. The definition of sustainable agriculture will briefly be discussed. This will be followed by a detailed discussion of the many farming practices California growers use and how they can be adapted to achieve the goals of sustainable agriculture. Case studies will be presented on the sustainable farming programs developed by two of the most valuable cropping sectors in California, wine grapes/ wine and almonds. The class will conclude with how sustainable farming has been marketed to consumers.	Senior Programs
501303	Sonoma County Office of Education Teacher Leadership Certificate Program	<p>The Sonoma County Office of Education Teacher Leadership Certificate is a two-year program comprised of a series of courses designed to offer teacher-leaders relevant, job-embedded knowledge and skills with greater depth and coherence than a professional development workshop can typically provide. As a member of a teacher leadership cohort, program participants will further benefit from immersion in a dynamic learning community, including teacher-leaders from schools and districts across the county. The program's learning sequence intentionally cultivates a network of teacher-leader colleagues in order to support the implementation of knowledge and skills gained in the program and offers teacher-leaders sustained opportunities to collaborate beyond school walls and share best practices across educational contexts.</p> <p>The program consists of 120 hours of instruction in four semester-long modules and a culminating capstone experience designed to address a compelling problem of practice in a teacher-leader's own educational context. Courses meet four times over a semester for intensive two-day classes and typically meet over weekends (Friday evenings ' Saturdays) to allow program participants flexibility in meeting the demands of the school week. The two-day class design emphasizes meaningful shared experiences that intentionally cultivate a learning community and respond to the unique needs of adult learners and professionals.</p> <p>For additional information please visit the Sonoma County Office of Education at <a href="http://www.scoe.org">www.scoe.org</a>.</p>	Education
505458	Advances in Almond Production	<p>These online training modules are designed for small-scale growers and/or beginner farmers. These modules complement the UC Davis Fruit and Nut Research and Information Center's (FNRIC) annual short course on Principles of Fruit ' Nut Tree Growth, Cropping ' Management, which covers the fundamentals of tree biology essential in making sound orchard management and business decisions in growing tree fruit and nut crops in California. If, after taking these online courses you would like more in-depth information on the topics covered, you may want to consider taking FNRIC's annual Principles Short Course. The in-person course incorporates lectures, hands-on lab exercises and field demonstrations to provide information on all aspects of basic plant biology and the relationship between plant biology and fruit and nut orchard management.</p> <p>Note: Special recognition goes to the CDFA Specialty Crop Block Grant Program, the 2015 Walnut Short Course attendees, the California Pistachio Research Board and Mountain View Cold Storage for supporting this project.</p>	Agriculture
100810	Annual Land Use Law Review and Update	<p>Stay up-to-date on recent developments in California law affecting land use, planning and environmental compliance. Experts from the field provide succinct and practical analysis on recent case law and significant legislative and administrative changes that took effect this year.</p> <p>Topics include:</p> <ul style="list-style-type: none"> <li>General Plans, Specific Plans and Zoning</li> <li>The Subdivision Map Act</li> <li>CEQA</li> <li>Affordable Housing</li> <li>Takings, Exactions and Dedications</li> <li>Greenhouse Gas Regulation and Environmental Analysis</li> <li>School Fees</li> <li>Wetlands and Protected Species</li> <li>Land Use Litigation</li> </ul> <p>Participate in discussions and get answers to your questions. Take home the most recent edition of California Land Use and Planning Law, co-authored by Cecily Barclay and Matthew Gray, and a legal syllabus of cases discussed and prepared by the law firm of Perkins Coie, LLP</p>	Land Use & Natural Resources
505522	The Health and Wellbeing of Medical Providers	<p>Join a cohort of leaders in exploring how the culture of medicine can impact the health and wellbeing of physicians and other medical providers by identifying organizational and individual preventive health approaches to ensure clinician wellbeing. Through video lectures, reading assignments, written assignments and discussion forums, you will examine solutions and treatments for burnout, depression, anxiety and substance disorders that commonly affect physicians and other providers. By the end of the course, you will have the tools to engage, treat and monitor impaired clinicians and improve the overall health of your organization.</p> <p>This is not a self-paced course. Students will progress through the course together. Course modules are released weekly, where lessons typically load on Wednesdays and are due the following Tuesdays. You can log in and work on courses at any time within that week to view lectures and complete assignments. The previous week's lesson will remain available for the duration of the course. If you enroll after the course start date, you will need to contact the instructor regarding missed lessons.</p>	Health Sciences
22190	Apiculture	DNP	Open Campus
282550	Groundwater Systems Design	DNP	Open Campus
506492	Urban Sys Sustainability		Open Campus

23320	Agricultural Policy	DNP	Open Campus
506493	Culture & Health		Open Campus
362270	Community Econ Develop	DNP	Open Campus
506499	Global Health & Medicine		Open Campus
506501	Primate Conservation Bio		Open Campus
506507	Early Childhood Relational Health and Access to Mental Health Services	<p>Young children entering Child Welfare Services often present unique challenges to the system of care. This two-part course will provide participants with foundational understanding to integrate best practices in child development and early childhood mental health. We will discuss how children develop within the context of their primary relationships, the impact of pre-natal and early-life exposure to toxic stress and trauma, and identify practical ways to apply cutting-edge research from the fields of psychology and neuroscience to daily work with young children. Early identification of needs and access to appropriate mental health services can prevent many significant behavioral and mental health challenges, shifting the trajectory of a child's development toward a life of physical and mental health.</p> <p>By the end of the course, participants will:</p> <p>Gain knowledge in the relational foundation of the mental health of young children  Understand and be able to navigate the existing systemic barriers to access to mental health care for young children  Be able to describe the impact of exposure to trauma in early childhood via current research on brain development, Adverse Childhood Experiences (ACEs) study, etc.  Utilize behavioral health policies and practices around medical necessity and Specialty Mental Health Services  Be able to advocate for young children on their caseloads by improving quality of teaming around the mental health needs of young children in the child welfare system</p> <p>Professional Credit  UC Davis Continuing and Professional Education is approved by the California Association of Marriage and Family Therapists to sponsor continuing education for LMFTs, LCSWs, LPCCs, and/or LEPs. Approval of this course for continuing education credit is still pending at this time. If approved, the course may meet the qualifications for 5.5 hours of continuing education credit for LMFTs, LCSWs, LPCCs, and/or LEPs as required by the California Board of Behavioral Sciences. UC Davis Continuing and Professional Education maintains responsibility for this</p>	Resource Ctr for Family Focused Practice
388080	Conflict Resolution Online Information Session	Join us to learn about what our professional concentration in Conflict Resolution can offer you. Our comprehensive program covers all facets of conflict resolution from roles and responsibilities of the facilitator to mediation and stakeholder involvement. Speak with program faculty and advisors to learn how earning a professional concentration in conflict resolution can benefit you, both personally and professionally.	Land Use & Natural Resources
506509	Sustainable Animal Agric		Open Campus
344280	Organic Crop Production Practices	DNP	Open Campus
506396	Spatial Analysis with Data Handling	<p>Spatial analysis is where the power of GIS truly shines. By combining data from independent sources, and using that information to evaluate complex, location-based issues, maps can be used to find patterns, assess trends and make important decisions.</p> <p>In this class designed for GIS professionals seeking to take their skills to the next level, you will learn how to leverage various information sources to populate, analyze and present data visually. Through lecture and hands-on exercises, you will explore how to use ArcGIS Pro to establish topography rules to streamline and create accurate data for assessing a variety of geographically based issues, from environmental justice to public health. Course topics will include derivatives of Digital Elevation Models, with various methods for display and analysis, as well as 2D and 3D representation. You will also use Model Builder and Python to build tools to automate repeated tasks, enable others to make changes in the workflow, or evaluate the results. Upon successful completion of this course, you will possess stronger spatial analysis and data visualization skills that can be immediately applied in your GIS work.</p> <p>Learning Outcomes</p> <p>Present survey results in map form  Explore and analyze demographic data and present visually  Compare and contrast surface data and illustrate their differences  Integrate 2D and 3D representations of a site and create a fly-through animations  Build models to streamline workflow processes</p> <p>Skills You Will Gain</p> <p>Data visualization</p>	Land Use & Natural Resources



506397	Introduction to Remote Sensing	<p>Accurately using remotely sensed data is an essential skill for any GIS professional. In this course designed for practitioners looking to hone their GIS abilities, you will master the fundamentals of georegistration and mosaicking. Through lecture and hands-on exercises you will learn how to efficiently use image analyst tools and raster functions to assemble a time series that ascertains and quantifies the extent and intensity of real-world situations, like the recent California wildfires. This course will introduce you to hyperspectral imagery, and teach you how to use ArcGIS Pro to explore the relationships between data in various parts of the EM spectrum. Students will also get experience working with light detection and ranging (LiDAR) data, and combine this information with other types of imagery. By the end of this course, you will be able to confidently utilize various types of remote sensing data and accurately employ the correct tools and best practices to work with this information in your own projects.</p> <p>Learning Outcomes</p> <p>Calculate raster functions to explore possible questions and answers of the data  Access and utilize Landsat 8 imagery  Compare sets of results from a finer resolution dataset  Explore spectral resolution concepts and create questions using Hyperspectral imagery  Analyze LiDAR data</p> <p>Skills You Will Gain</p> <p>Image analysis  Georeferencing  ArcGIS Pro</p>	Land Use & Natural Resources
397120	Introduction to Healthcare Analytics	<p>With the increasing adoption of electronic health record systems, new forms of data are becoming available that can be used to measure healthcare delivery and improve patient outcomes. In this introductory course designed for healthcare analysts and IT professionals, participants explore the value proposition for clinical intelligence and the role of analytics in supporting a data-driven healthcare system. Through video lectures, reading assignments, written assignments and discussion forums, students learn key concepts in measuring health system performance and leveraging analytics for health improvement.</p> <p>Learning Outcomes</p> <p>Demonstrate an understanding of how the health care industry is changing, the drivers of change and the role of data analytics in supporting the transition from fee for service to value-based care  Assess clinical data structures supported by electronic health records, clinical equipment and other data sets  Describe how healthcare performance is measured according to existing quality frameworks  Discuss and contrast the various methods for comparing healthcare delivery across populations of patients  Analyze examples of clinical improvement projects and the impact of health analytics to decision-making and systems improvement</p> <p>Skills You Will Gain</p> <p>Clinical care processes  Health data analysis  Business intelligence  Methods of healthcare delivery  Decision making and problem solving</p>	Health Sciences
506554	Economic and Policy Impacts of COVID-19 on Tribal Communities	<p>With the unprecedented COVID 19 pandemic, Tribal human services programs are faced with significant challenges to provide responsive services in new and different ways to meet the needs for the most vulnerable populations.</p> <p>We will discuss policy and program solutions that are available for consideration in providing quality human services including:</p> <p>Modifying policies to meet service demands  Modifying delivery systems to meet service demands  Utilizing technology solutions for communication and services</p>	General Social Services

100750	Land Use Planning for Non-Planners: An Introduction to Planning in California	<p>Puzzled by planning jargon and regulations that make public meetings and conversations about community development, infrastructure projects, economic development and environmental quality almost incomprehensible?</p> <p>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 and how they impact all aspects of our lives. Learn how to more effectively participate in planning processes and how to understand the impacts of the complex legal issues associated with both land use and environmental planning.</p> <p>Designed for those who regularly confront the planning process, this course provides a basic understanding of the procedures for local review of land use and development proposals. Although primarily intended for the non-planner, this course is also useful for those considering a career in planning.</p>	Land Use & Natural Resources
102320	Project Planning for Permit Integration	<p>Learn how to integrate environmental permitting and consultation requirements for projects subject to CEQA and NEPA. These acts affect natural or cultural resources, therefore many projects that are subject to CEQA and NEPA also require compliance with other major state and federal environmental laws. To obtain timely and cost-effective project approvals, CEQA/NEPA lead agencies and project applicants must navigate a complex permitting and consultation maze, including regulation of wetlands, endangered species and historic resources.</p> <p>Receive an organized and proven 10-step strategy to:</p> <p>Understand procedural and substantive requirements of major permitting and consultation programs  Determine which agencies must be consulted for review and permits  Integrate various environmental compliance requirements into the environmental process in order to improve the permitting processes  Reduce the time and cost of preparing environmental documents and implementing projects</p>	Land Use & Natural Resources
507678	Air Pollution: Fundamentals and Emerging Issues	<p>This course will begin with an overview of the fundamentals of air pollution, including gaseous pollutants and particulate matter. Discussions will focus on addressing basic questions, like: What is it?, Where does it come from?, How is it formed and emitted?, and Why do we care? Join Dr. Keith Bein from the UC Davis Air Quality Research Center for an in-depth look at current research covering emerging issues of concern on the health effects of air pollution. For example, experiments aimed at understanding the effects of exposure to traffic-related air pollution on neurodevelopmental disorders like Alzheimer's Disease and Autism Spectrum Disorder will be discussed. Climate-change driven issues will be considered as well, such as next generation wildfires firestorms at the urban-wildland interface.</p>	Senior Programs
507683	A Short History of Drinkable Water	<p>Americans believe they have a constitutional right to clean, safe drinking water. But the quest for potable (drinkable) water began thousands of years before the founding of this country and encompassed developments in Peru, Persia, China, India, Rome and elsewhere, as well as more recent advances in Scotland, France, England and finally the United States. We will explore this long history in order to understand how we have come to be blessed with clean, safe water (almost) anywhere in America. We will also compare the American experience with other countries where either the quality of tap water is considered suspect, even though it might be safe, or is rightly considered unsafe and unhealthy.</p>	Senior Programs
507705	Epidemiology: The Core of One Health for Infectious Diseases	NA	University Programs
102350	Clean Water Act Section 404: Nationwide and Other Specialized Permits	<p>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, which requires projects to first obtain a permit from the U.S. Army Corps of Engineers for the placement of dredged or fill materials in U.S. waters. Through the Corps' Nationwide Permit Program (NWP), general permits may be issued on a nationwide basis for activities that have minimal effects on the aquatic environment.</p> <p>Study the current Nationwide Permits, including general and specific regional conditions. Gain a thorough understanding of the NWP program and the latest information from the Corps as well as other state and federal agencies. Review verification and pre- and post-construction notification processes and discuss requirements for notification contents. Further your understanding of:</p> <p>Activities covered by NWPs  Region-specific conditions  Use of multiple NWPs  Special aquatic sites  Mitigation requirements  401 certification  ESA/EFH compliance  NHPA Section 106 compliance  Local Corps district policies</p>	Land Use & Natural Resources

506008	Combining and Leveraging Disaster Recovery Funding Sources	During this course, students will learn about the various forms of FEMA and HUD funding typically made available to California and other states following Presidentially Declared Disasters including FEMA Public Assistance (PA), FEMA Individual Assistance (IA), FEMA Hazard Mitigation Grant Program (HMGP), HUD Community Development Block Grant Disaster Recovery Funding (CDBG-DR) and HUD CDBG Mitigation Funding (CDBG-MIT). Students will learn the ways these recovery and mitigation funds can be leveraged to maximize their impacts in recovering communities and ways they can be used to further long-term mitigation and resiliency efforts, such as through different planning and policy initiatives.	Land Use & Natural Resources
507719	Gender and Healthy Sexual Development	<p>Adults are sometimes uncomfortable or perplexed about discussions of healthy sexuality with teens and children, especially when those minors have experienced earlier trauma, abuse and/or sexualized environments. Further, the gradations between healthy and unhealthy sexual behaviors and how these gradations change from childhood to adolescence can become blurry, especially in the context of overall case practice. Since 2000, these challenges have all been heightened significantly with teens increased exposure to the internet for sexual information and images, including pornography. During the same time frame, older notions of male and female as gender classifications have been amplified and extended to include more precise descriptions for some, such as Genderqueer, GenderFluid, intersex, transgender, trans-sexual, and others. In 2017, the California legislature passed a law (SB89) that makes it mandatory to enhance child welfare casework practice by systematically including information on sexual health. This workshop covers the components of SB89 and reviews each of the topics listed above. Practical case examples, current films, and discussions are included throughout the day.</p> <p>Topics Include:</p> <p>Increased understanding of how the early messages we received while young can impact our perceptions of current youth sexuality and sexual health  Overview of SB89 requirements  Identifying the behaviors of sexual victimization, immediate and long term  Identification of atypical sexual or sexually related behaviors among teens</p>	General Social Services
47300	Chicana Culture	DNP	Open Campus
505688	Epidemiology for Health Professionals		Open Campus
504229	Environmental Management & Policy		Open Campus
308210	Environmental Economics	DNP	Open Campus
78830	Urban Traf Mgt & Cntrl	DNP	Open Campus
505459	Advances in Walnut Production	<p>These online training modules are designed for small-scale growers and/or beginner farmers. These modules complement the UC Davis Fruit and Nut Research and Information Center's (FNRIC) annual short course on Principles of Fruit ' Nut Tree Growth, Cropping ' Management, which covers the fundamentals of tree biology essential in making sound orchard management and business decisions in growing tree fruit and nut crops in California. If, after taking these online courses you would like more in-depth information on the topics covered, you may want to consider taking FNRIC's annual Principles Short Course. The in-person course incorporates lectures, hands-on lab exercises and field demonstrations to provide information on all aspects of basic plant biology and the relationship between plant biology and fruit and nut orchard management.</p> <p>Note: Special recognition goes to the CDFA Specialty Crop Block Grant Program, the 2015 Walnut Short Course attendees, the California Pistachio Research Board and Mountain View Cold Storage for supporting this project.</p>	Agriculture
274600	Health Psychology	DNP	Open Campus
75510	Community Development Theory	DNP	Open Campus
507759	Advncd Health Leadership		Open Campus
393850	Mental Health First Aid	<p>This workshop is an eight-hour, evidence-based course that provides participants with the techniques to help someone who is developing a mental health problem or experiencing a mental health crisis. This workshop also assists helping professionals identify, understand and respond to signs of mental illnesses and substance use disorders.</p> <p>Topics Include:</p> <p>Describing the most common mental health conditions in the U.S.  Recognizing signs and symptoms of someone who may be developing a mental health or substance use disorder  Employing the five individual steps of the Mental Health First Aid Action Plan  Developing Mental Health First Aid Action Plans</p>	General Social Services
507775	Emerging Issues at the Interface of Animal, Human and Ecosystem Health		Open Campus

507786	Resiliency 101: An Introduction to the Principles of Resilience Planning	<p>This course will examine the recent history of natural disasters impacting our state and the nation, the cause and effect that a changing climate has on these events, and practical, resilient planning solutions that should be considered both now and in the future. Through a combination of pre-recorded lectures, case study reviews and live discussions with Q'A, you will learn how specific land use practices can both exacerbate and prevent natural disasters. At the conclusion of this course, you will possess a better understanding of the big-picture issues facing your community and will have a set of tools for integrating resilient land use practices into your work. This course is designed for land use planners, resource managers, regulatory experts and related professionals in both the public and private sectors.</p> <p>Learning Outcomes</p> <ol style="list-style-type: none"> <li>1. Learn what resilience is in the context of land use and planning...and related terms.</li> <li>2. Learn how to apply the concepts of resilience in your work</li> <li>3. Learn land use planning solutions for resilience and disaster preparedness.</li> <li>4. Learn measures to apply in your own community</li> </ol> <p>Skills Gained</p> <ol style="list-style-type: none"> <li>1. Ability to understand and interact with others working on resilience</li> <li>2. The ability to locate resources and support decision making on specific resilience measures</li> <li>3. Application of the principles of resilience</li> </ol>	Land Use & Natural Resources
507805	Serving Older Adults: What to know about Social Isolation Mental health and Hoarding		General Social Services
154120	Health and Safety for Workers: Laws and Regulations	<p>Designed for individuals who have interests in, or responsibilities for, administering occupational health and safety programs, learn the relevant laws and regulations pertaining to occupational health and safety. Topics include Cal/OSHA and federal OSHA; criminal considerations, such as supervisors and managers responsibilities; workers compensation jurisdiction, claims and benefits; the claims process and program administration; and legal liability. Through interactive case studies, illustrate common issues and demonstrate ability to solve simple and complex problems. By the end of this course, students will demonstrate working knowledge of workplace safety laws and regulations.</p> <p>Learning Outcomes</p> <p>Understand CAL/OSHA and OSHA operations, compliance, standard setting and consultation  Become aware of criminal sanctions used in health and safety violations  Understand worker s compensation insurance  Awareness of professional liabilities health and safety practitioners are exposed to</p> <p>Skills You Will Gain</p> <p>OSHA and CAL/OSHA compliance  Professional liability  Worker s compensation adjudication  Sanitation, fire safety and building codes</p> <p>This is a required course for the Workplace Health and Safety Manager Certificate.</p>	Occupational & Environmental Management
507812	Pesticide Educational Resources Collaborative - FY2021 (PSPERO6)		Occupational & Environmental Management

504912	California's Regional Conservation Investment Strategy Program	<p>In January 2017, the California Department of Fish and Wildlife (CDFW) launched an ambitious new conservation and mitigation program. The program encourages state and local public agencies to prepare voluntary Regional Conservation Investment Strategies to help guide and prioritize the conservation of natural resources in their region. Once reviewed by the public and approved by CDFW, these regional strategies can be used by anyone to help identify and implement conservation priorities and determine the best mitigation sites. Landowners may take the strategy a step further and develop a Mitigation Credit Agreement. Once reviewed by the public and approved by CDFW, this agreement provides credits for natural resources that can be used or sold. The program is flexible enough to allow use under a variety of state laws, including the California Endangered Species Act, California Environmental Quality Act and others. Several regional strategies have been approved by CDFW, others are underway, and several mitigation credit agreements are in development.</p> <p>This course will introduce this exciting new program and provide essential information for those considering preparing or using a regional strategy or credit agreement. The course is taught by experts who have been implementing it since the legislation passed in 2017.</p> <p>The course will cover the following topics:</p> <p>Program origins and legislative history  Purpose of the program  Status of the program statewide  Differences between Regional Conservation Assessment (RCA), Regional Conservation Investment Strategy (RCIS) and Mitigation Credit Agreement (MCA)  Overview of Fish and Game Code requirements and CDFW Guidelines  Process for RCA, RCIS and MCA preparation, review and approval  Use of MCAs for natural resource compliance under relevant state laws  Comparison between MCAs and mitigation banks</p>	Land Use & Natural Resources
507878	Implicit Bias Awareness and Mitigation Training	<p>Group-based bias involves varying degrees of stereotyping (exaggerated beliefs about others), prejudice (dis/liking others), and/or discrimination (unequal treatment of others) that occur above or below conscious awareness. Scholars have labeled the subconscious form of group-based bias implicit or unconscious bias. Implicit bias is primarily seen as an attitude or stereotype held about social groups below conscious awareness. Implicit bias has become very important to understand given systemic inequities and disparate outcomes in our society for different racial groups. Implicit bias is everywhere and affects everyone. We all have implicit bias. The impact of our implicit bias on others, however, significantly depends on our social and professional roles in society. Bias held by social workers, educators, police officers, physicians, prosecutors and criminal court judges can significantly affect the life outcomes of large segments of society.</p> <p>Research has revealed that many Americans show a positive implicit bias toward White Americans vs. African Americans, young vs. old and fit vs. obese. Showing a preference for or against any particular group does not mean that a person is prejudiced or will discriminate, but it does suggest that s/he has been repeatedly exposed to certain associations between specific groups and specific traits/characteristics and have stored them in memory. These associations are often very strong and difficult to undue without deliberate effort or ongoing training. However, it is possible to implement practices or policies that reduce the likelihood that implicitly biased beliefs will lead to biased behaviors.</p> <p>DAY 1: IMPLICIT BIAS AWARENESS (IB 101)  IB 101 places emphasis on the individual. It addresses the following questions:  What is implicit bias?  What does implicit bias look like in the real world?  What causes implicit bias?  DATES AND TIMES  Session 1:  November 2, 2020</p>	Northern Training Academy
506309	Community Nutrition		Open Campus
385790	Oita Communication, Culture, and Service Learning Program	DNP	International English & Professional Pgm
507901	Sierra Nevada Conservancy		Management & Leadership

101930	Successful CEQA Compliance: An Intensive Two-Day Seminar	<p>CEQA is the state's most comprehensive environmental law. Its requirements influence virtually all prospective land use and public agency projects.</p> <p>Learn how to clearly understand and comply with CEQA guidelines in this interactive seminar, designed to assist public agency staff, consultants, attorneys, developers, members of environmental organizations and others.</p> <p>The first portion focuses on:</p> <p>The background and implementation of CEQA  The preliminary review process  Determination of an environmental document  The negative declaration process and document content  The Environmental Impact Report (EIR) process</p> <p>The second portion focuses on development of exceptional impact analysis and mitigation measures and the integration of other environmental programs. Specific topics include:</p> <p>Impacts and mitigation  Integration with NEPA, water quality, wetlands and endangered species regulations, and historic preservation programs  Judicial review  EIR management issues</p>	Land Use & Natural Resources
163860	Fire and Life Safety Awareness	<p>Fire safety awareness is key in workplaces of all kinds. Through real-world case-based learning, discover the types of built-in fire protection features and fire and life safety hazards common to the educational and workplace environments. This course, designed for workplace safety professionals, discusses passive versus active fire protection features, maintenance of exits, knowledge and use of fire extinguishers, impact to and from other occupants, human behavior before and during an emergency, proper storage techniques and services potentially available through local fire departments. By the end of this course, students will understand fire prevention and response practices and techniques for the workplace.</p> <p>Learning Outcomes</p> <p>Describe passive and active fire protection features  Understand how humans react during fire situations  Describe proper storage techniques  Understand common fire and life safety hazards to the educational and workplace environment</p> <p>Skills You Will Gain</p> <p>Fire prevention  Fire response  Fire extinguisher use  Exit maintenance</p> <p>This is a required course for the Workplace Health and Safety Manager Certificate.</p>	Occupational & Environmental Management
507980	General Mental Health		General Social Services
507963	The Evolution of Sustainable Wine Growing in California	<p>California winegrape growers were leaders in the adoption of sustainable farming and have embraced it on a broader scale than growers in any other cropping system. This course traces the evolution of sustainable winegrowing in California, how it influenced wine industries in other states, and why winegrape growers became leaders in sustainable farming. We will also explore the differences between sustainable, organic and biodynamic farming.</p>	Senior Programs
507991	Health Care Issues with Youth, and Facilities in the Days of COVID and Other Diseases	<p>An overview of health issues that should be reviewed related to youth.</p> <p>Sexual health (access and education)  Diabetes  Depression  Shots  Health Care Needs</p>	General Social Services
507999	Geographic Information Systems (GIS) Information Session	<p>Join us for this free online information session to hear about our program in Geographic Information Systems (GIS); meet our instructors and staff, and learn how our program can help you reach your career goals. Our program meets the continuing education needs of GIS analysts, GIS specialists, land use planners, environmental scientists, research data analysts, and others looking to enhance their use of geospatial thinking, analysis and modeling. Get your questions answered and learn how our programs can help you advance your career.</p>	Land Use & Natural Resources

507987	Understanding and Diagnosing Complex Cases of Children's Mental Health Problems (Assessment and Interventions for Complex Needs)	<p>Most learning about children s mental health problems strives to present one condition at a time. These trainings inform the audience about signs and symptoms, associated issues, epidemiology and prognosis. This is an effective way to teach about diagnoses that present as single conditions in a child. When a child has multiple, overlapping conditions that impair multiple functions, it can be difficult to sort through the signs, symptoms, problems and functional impairments to arrive at a meaningful formulation or case summary. This difficult process of understanding and diagnosing complex cases hinders the development of effective treatment plans, can lead to frustration and anger in treatment staff, children and youth, and their caregivers. This day-long presentation will offer a method to efficiently dig through a child s complex presentation and will result in the audience being able to arrive at a working formulation, reasonable diagnoses, and vital next steps in the process for helping the child recover.</p> <p>Learning Objectives:</p> <p>The audience will review the 31 areas of mental health difficulties that a child or youth may present with in residential or group home care.</p> <p>The audience will be able to differentiate between diagnoses that attempt to describe a child or youth s clinical condition and use these diagnoses and the case formulation to arrive at a reasonable initial treatment plan.</p> <p>The audience will review the 8 Recognized Complex Behavioral Health Disorders that often cooccur in youth in residential or group home care.</p>	General Social Services
508019	California Water History: Navigating the Seven C's	<p>The history of water in California is colorful, insightful, and arguably, one of the most manipulated and impacted natural water regimes on earth. It is also one of the most complex institutional, regulatory and legal water management frameworks ever envisioned. This course will provide a handy guide to how we got here and offer some game changing policy recommendations for how we might move forward in a more sustainable way. From early Conflict to environmental Collapse; from two centuries of Competition to three decades of attempted Cooperation and Collaboration; and toward an era of Conservation and Continual dispute resolution, this class will chart those turbulent waters. Examining not just the history of water use, but of water quality efforts and efficiency, California s water wars and water wins may provide insight about how to manage other scarce and critical natural resources.</p> <p>Learning Outcomes</p> <p>Employ a working knowledge of the language and culture commonly used amongst water professionals in California  Analyze major issues, historical fights and solutions, and relevant facts of the State s rich water history  Appraise broad game changing ideas of improvements to the State s water policy and institutional framework for managing water sustainably  Differentiate and interpret the various major laws and institutions that arise frequently in water related situations and projects</p> <p>Skills You Will Gain</p> <p>Water policy</p>	Land Use & Natural Resources
508020	Children's Mental Health Disorders (0-5) Virtual Training	<p>This course will be a dynamic, interactive and didactic experience focused on understanding the impact of trauma on children, common signs and symptoms of children s mental health disorders, common misdiagnoses for children in the child welfare system, and the most appropriate evidence-based interventions for each disorder for children ages 0-5.</p> <p>Topics Include:</p> <p>Describe the impact of trauma on children s brains, bodies, and behaviors  Identify common signs and symptoms of children s mental health disorders, including DSM-V diagnostic criteria  Be familiar with signs that a child may be misdiagnosed or over-diagnosed  Understand overlap in symptoms between diagnoses and what to look for to differentiate between common diagnoses  Distinguish common elements of effective treatments for children and how to assess whether children are receiving effective treatments  Recognize interventions that are appropriate and evidence-based for each type of child mental health disorder</p> <p>Professional Credit</p> <p>UC Davis Continuing and Professional Education is approved by the California Association of Marriage and Family Therapists to sponsor continuing education for LMFTs, LCSWs, LPCCs, and/or LEPs. Approval of this course for continuing education credit is still pending at this time. If approved, the course may meet the qualifications for 5.5 hours of continuing education credit for LMFTs, LCSWs, LPCCs, and/or LEPs as required by the California Board of Behavioral Sciences. UC Davis Continuing and Professional Education maintains responsibility for this program/course and its content. Provider number 050148. Certificates of completion will be sent to participants within 4 weeks after the course after attendance and number of credits to be received are verified.</p>	Resource Ctr for Family Focused Practice

508044	Pacific Salmon Habitat Restoration	<p>Throughout the Pacific Northwest and California, rivers that once sustained robust anadromous salmonid runs are now regulated, harnessed, or otherwise impacted by dams, diversions, channelization, watershed development and instream mining. Over the past 40 years, restoration projects in these regulated rivers have had mixed results, with many failing because of poor design or the setting of unobtainable goals.</p> <p>This course is specifically designed for practitioners and agency personnel, including biologists, ecologists, hydrologists, engineers, planners and regulators involved with field data collection, detailed design and/or review of river restoration projects associated with salmonid stream habitat enhancement. Through group discussion and a review of case studies, you will learn tools to tackle restoration/rehabilitation design and monitoring, and the critical approach needed for assessing Pacific salmonid stream habitat. Topics addressed in this course include fundamental concepts in river function, habitat assessment, basic hydraulics, rehabilitation methods, fish passage and more. By the end of this course, you will possess a stronger understanding of salmonid habitat assessment restoration, and will be able to apply this knowledge to produce more successful outcomes in your restoration projects.</p> <p>Learning Outcomes</p> <p>Develop life stage specific goals and objectives for salmonid habitat restoration projects  Understand the basics of open channel flow and sediment transport, as well as what tools are available for different applications  Incorporate key geomorphic processes into habitat restoration designs  Develop designs based on ecohydrology and ecohydraulics of salmonids  Develop and test hypotheses related to the effectiveness of habitat restoration projects</p> <p>Skills You Will Gain</p>	Land Use & Natural Resources
101670	Vested Rights, Vesting Maps and Development Agreements	<p>Development agreements are an effective avenue for a community and developer to come together and process a project. Both sides of the table need to carefully consider the terms of these contracts and explore questions of content and performance before completing such an agreement. Learn the legislative and judicial aspects of development agreements.</p> <p>Examine the legal basis for development agreements and the overlap between agreements and vesting subdivision maps. Participants will learn the negotiation process, identify and discuss the range of options available when negotiating a development agreement, and review the theoretically possible agreement. Consider the key points of an agreement, learn ways to assist in understanding the needs of the other side and select the players to conduct the negotiation.</p> <p>Topics include:</p> <p>Common law vested rights  Legal review  Development agreements vs. vested maps  The Development Agreement Statute  Key terms and alternative approaches  Considerations in negotiating the agreement  Contents of an agreement  Testing the waters  Paper control: who drafts the document  Enforceability  How to implement agreements  What happens after the life of an agreement</p>	Land Use & Natural Resources
508115	Courses for State Water Resources Control Board (2021-2026)	Contract for State Water Resources Control Board	Land Use & Natural Resources
508119	Creating Permanent Supportive Housing Models for Youth		General Social Services
102320	Project Planning for Permit Integration	<p>Learn how to integrate environmental permitting and consultation requirements for projects subject to CEQA and NEPA. These acts affect natural or cultural resources, therefore many projects that are subject to CEQA and NEPA also require compliance with other major state and federal environmental laws. To obtain timely and cost-effective project approvals, CEQA/NEPA lead agencies and project applicants must navigate a complex permitting and consultation maze, including regulation of wetlands, endangered species and historic resources.</p> <p>Receive an organized and proven 10-step strategy to:</p> <p>Understand procedural and substantive requirements of major permitting and consultation programs  Determine which agencies must be consulted for review and permits  Integrate various environmental compliance requirements into the environmental process in order to improve the permitting processes  Reduce the time and cost of preparing environmental documents and implementing projects</p>	Land Use & Natural Resources



508161	Equity & Inclusion: Foundational Concepts		General Social Services
508218	Core Concepts in Advancing Health Equity	NA	Health Sciences
100750	Land Use Planning for Non- Planners: An Introduction to Planning in California	<p>Puzzled by planning jargon and regulations that make public meetings and conversations about community development, infrastructure projects, economic development and environmental quality almost incomprehensible?</p> <p>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 and how they impact all aspects of our lives. Learn how to more effectively participate in planning processes and how to understand the impacts of the complex legal issues associated with both land use and environmental planning.</p> <p>Designed for those who regularly confront the planning process, this course provides a basic understanding of the procedures for local review of land use and development proposals. Although primarily intended for the non-planner, this course is also useful for those considering a career in planning.</p>	Land Use & Natural Resources
101290	Endangered Species Regulation and Protection	<p>Review current federal laws, regulations, policies and practices concerning threatened and endangered wildlife and plants. Gain practical advice for resolving endangered species conflicts with proposed projects. Examine key aspects of the federal Endangered Species Act and agency policies and guidelines on:</p> <p>Section 4(d) rules Section 7 consultation and biological assessments Section 10(a) incidental take permits Habitat Conservation Plans (HCPs) Safe Harbor policies No Surprise policies</p> <p>Also examine the most recent case law and policies regarding California's implementation of the Endangered Species Act, including:</p> <p>Section 2081 incidental take permits The California Native Plant Protection Act Endangered species provisions of CEQA The Natural Community Conservation Planning Act</p>	Land Use & Natural Resources
102350	Clean Water Act Section 404: Nationwide and Other Specialized Permits	<p>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, which requires projects to first obtain a permit from the U.S. Army Corps of Engineers for the placement of dredged or fill materials in U.S. waters. Through the Corps' Nationwide Permit Program (NWP), general permits may be issued on a nationwide basis for activities that have minimal effects on the aquatic environment.</p> <p>Study the current Nationwide Permits, including general and specific regional conditions. Gain a thorough understanding of the NWP program and the latest information from the Corps as well as other state and federal agencies. Review verification and pre- and post-construction notification processes and discuss requirements for notification contents. Further your understanding of:</p> <p>Activities covered by NWPs Region-specific conditions Use of multiple NWPs Special aquatic sites Mitigation requirements 401 certification ESA/EFH compliance NHPA Section 106 compliance Local Corps district policies</p>	Land Use & Natural Resources
508244	Understanding and Providing Trauma-Informed Services in Our Communities	<p>The course examines techniques for virtual case planning for clients in crisis who have experienced major loss and trauma. Techniques will be presented to participants to help individuals and families address the associated challenges.</p> <p>Topics include:</p> <p>Understanding what precipitates crises Identifying tools for virtually observing and assessing situations Applying techniques to deal with potentially dangerous situations and suicide threats Diffusing verbal escalation virtually</p>	General Social Services

508265	Sexual Health 1.1	NA	University Programs
505305	Working with the Criminal Justice System	In this interactive and thought provoking introductory training, Adult Protective Services (APS) professionals and others learn how to identify crimes and the elements of crimes. Participants learn how to build a case that is more likely to be accepted for prosecution and how to support the victim if the case goes to court. They will also learn about their own role as a witness in court and develop an understanding of an appreciation for Law Enforcement and Prosecutors while remaining client focused.	General Social Services
508286	Strengthening Safety Culture Through Communication	<p>Communicating occupational safety and health information effectively is crucial to preventing employee injuries and illness. In this course designed for EHS leaders, safety managers, supervisors and line workers, you will explore the behavioral tools that help create and promote a positive and healthy culture of safety at your organization. Through lecture, class discussion and an exploration of real-life case studies, you will learn about the four keys to effective safety communication: interactive, informative, positive and productive. You will also gain tools to help determine root causes of unsafe behavior and strategies on how to eliminate them. By the end of this course, you will possess the knowledge and tools to create a safer work environment for your colleagues and organization.</p> <p>Learning Outcomes</p> <p>Integrate the five disciplines of a learning organization into your organizational safety culture  Establish an organizational safety culture that has a strong employee buy-in and collaboration  Identify root causes of poor safety behaviors/performance  Utilize effective communication techniques to foster collaboration with employees towards system solutions and performance improvement</p> <p>Skills You Will Gain</p> <p>Behavioral safety communication  Risk analysis  Safety solutions</p>	Occupational & Environmental Management
100810	Annual Land Use Law Review and Update	<p>Stay up-to-date on recent developments in California law affecting land use, planning and environmental compliance. Experts from the field provide succinct and practical analysis on recent case law and significant legislative and administrative changes that took effect this year.</p> <p>Topics include:</p> <p>General Plans, Specific Plans and Zoning  The Subdivision Map Act  CEQA  Affordable Housing  Takings, Exactions and Dedications  Greenhouse Gas Regulation and Environmental Analysis  School Fees  Wetlands and Protected Species  Land Use Litigation</p> <p>Participate in discussions and get answers to your questions. Take home the most recent edition of California Land Use and Planning Law, co-authored by Cecily Barclay and Matthew Gray, and a legal syllabus of cases discussed and prepared by the law firm of Perkins Coie, LLP</p>	Land Use & Natural Resources
508276	Northwestern China and Northern Pakistan: People, Culture and Scenery	After researching that Western China and Northern Pakistan were accessible and relatively safe, traveler Julia Amaral visited both countries in late summer 2019. Using ground travel as much as possible, she spent time experiencing the people and culture, while absorbing the incredible scenery. Her guides in China were both knowledgeable Uyghur (wee gr) Muslims, who shared their experience about the Uyghur people of the Xinjiang autonomous region, before their sad plight became world news. In Pakistan, Muhammed Shifa, her best guide ever, turned out to be a religious leader of the Ismailia Shia sect. Wherever they went, he knew people, all of whom loved him. Because of a special travel interest in education for girls and women, Shifa arranged several opportunities to meet and visit schools.	Senior Programs
508278	Reimagining Your World: Examining Equity and Inclusion	What is your individual worldview and how is it shaped by unconscious bias? This workshop offers a safe environment to recognize the power and impact of unconscious cultural bias in a society where diversity is increasingly embraced and honored. Increase your awareness of your individual unconscious prejudices and biases and gain understanding of how they impact your relationships with those around you. Together, we will examine how culturally related concerns, issues and miscommunication can turn into cultural conflicts. Finally, we will discuss communication techniques and skills that contribute to a better understanding of each other and the world around us.	Senior Programs

508289	Years of Glory: Nelly Benatar and the Pursuit of Justice in North Africa	The fall of France to Hitler's armies in June 1940 unleashed a stream of panic-stricken refugees fleeing Nazi terror that quickly overwhelmed Europe's boundaries and spilled across the Mediterranean to North Africa. In Morocco, the arrival of thousands of uprooted people touched off a humanitarian crisis of dizzying proportions. Nelly Benatar, a highly-regarded Casablanca Jewish lawyer, immediately stepped out of her comfortable life into the role of rescuer. Almost single-handedly, she organized a sweeping program of refugee relief that quickly became the most effective of its kind in wartime Morocco. This talk, based on the recent book by the instructor, introduces a compelling personality enmeshed in the complex strands that shaped North African and world history at the mid-century.  Suggested reading: Vichy France: Old Geared and New Order by Robert Paxton (Columbia University Press)	Senior Programs
281710	Agricultural Development	DNP	Open Campus
508363	Race & Juvenile Justice		Open Campus
508372	Bridging the Digital Divide Through Community Planning	The Digital Divide is the economic, educational, and social inequalities between those who have computers and internet access and those who do not. In the modern world, access to internet service is critical for people to conduct most areas of life and to ensure community economic development. Communities without robust access to computing and internet service experience roadblocks in education, healthcare, economic growth, and more. Both public and private entities such as state and local governments, anchor institutions (i.e. education, healthcare), community-based organizations, private companies, non-profits, and civic organizations play important roles in bridging this Digital Divide.  Attendees will learn to identify multidisciplinary approaches to identify the Digital Divide in their communities and support and develop efforts to increase access to broadband internet. Through a mixture of lecture and case studies, students will be able to:  Understand technical definitions of broadband internet service and technologies Develop a data-based assessment of internet access and adoption gaps in their community Identify Federal and State programs that support universal service and broadband internet access and adoption Identify potential partners and programs to reduce the Digital Divide, including public and private entities as well as other organizations, agencies, interest groups and coalitions	Land Use & Natural Resources
508391	Civics and Social Justice 1.2	NA	Health Sciences
508395	Sexual Health 1.2	NA	University Programs
163740	Ergonomics in the Workplace	If your employees experience problems with lifting, repetitive motion or overexertion, their improper work practices may cause serious and long-term disabilities. In this course, workplace health professionals will learn the fundamentals of ergonomics in industrial and office workplaces. Discuss medical issues, regulatory strategies, engineering solutions and productivity improvements with a focus on problem solving in real-world situations. A review of safe work practices with a focus on basic ergonomics may help your organization. By the end of this course, students will develop ergonomic recognition and identification skills necessary for implementation of an overall injury prevention strategy.  Learning Outcomes  Learn the fundamentals of ergonomics in the industrial and office workplace Understand the role of ergonomics in quality and productivity Design a complete and ergonomic workstation system Become aware of ergonomic legislation and trends  Skills You Will Gain  Office ergonomics Anthropometry Ergonomics program development  This is a required course for the Workplace Health and Safety Manager Certificate.	Occupational & Environmental Management

163830	Health and Safety Management and Program Development	<p>There are numerous methods to designing health and safety programs tailored to your workplace. Designed for health and safety managers and consultants, this course explores the various approaches to health and safety management, including methods to obtain and maintain top management support; methods to obtain and maintain employee/union support; how to determine the real cost of accidents; behavior modification practices; the success and failure of rewards and recognition programs; and techniques for system-based auditing. Through real-world based education, students will learn how to investigate the causes of accidents, organize health and safety committees and develop health and safety training programs.</p> <p>Learning Outcomes</p> <p>Identify effective health and safety program elements Describe accident investigation process Understand how to obtain management support for health and safety programs Review of regulatory requirements of HPP, Hazard Communication, and HAZWOPER</p> <p>Skills You Will Gain</p> <p>Dupont STOP Behavior modification Rewards and recognition</p> <p>This is a required course for the Workplace Health and Safety Manager Certificate.</p>	Occupational & Environmental Management
508408	Community College Pathway		International English & Professional Pgm
378560	Global Environment	DNP	Open Campus
508522	Global Climate Change		Open Campus
503935	GIS for Forestry Application	<p>Effectively managing forest resources has become more important than ever, and geographic information systems (GIS) is an important tool in that effort. In this course designed for GIS practitioners and planners in the public and private sectors, you will learn how to utilize GIS in forestry planning, mitigation, preparedness, response and recovery.</p> <p>Through lecture, hands-on work and a review of case studies, you will learn how to find and use forestry data, as well as a take advantage of a variety of relevant ArcGIS Online features. You will then learn how to apply these skills and tools in support of common forestry-related projects, including: remote sensing for forest health and trend assessment, wildland fire risk analysis, and soils analysis for reforestation and erosion mitigation. You will also learn how to utilize GIS tools to assess the impacts of climate change and deforestation.</p> <p>By the end of this course you will have a completed project that synthesizes the concepts you learned and demonstrates your ability apply this knowledge not only in forestry applications, but within a variety of ecosystems as well.</p> <p>Learning Outcomes</p> <p>Acquire and interpret data from a variety of sources Demonstrate an understanding of ArcGIS Online's basic and more advanced features Employ a variety of data while running different geospatial applications in support of forestry projects</p> <p>Skills You Will Gain</p> <p>ArcGIS</p>	Land Use & Natural Resources
508583	Climate Change, National Security and Geopolitics	<p>Climate change is a global threat requiring an unprecedented, coordinated global response. Countries around the world must work to mitigate climate change while simultaneously adapting to the effects of a warming planet. At the same time, countries face external security threats and internal instability exacerbated by global warming. How do the nations of the world respond when one nation, acting in its own interests, builds dams and blocks water flows to its neighbors? How will the world respond to millions of climate refugees? To global food shortages? Global economic disruption? Does the world's response to the COVID-19 pandemic give us any insights? We will take a close look at these and other security threats heading our way.</p> <p>Suggested reading: Climate Change and the Nation State by Anatol Lieven, Penguin Books</p>	Senior Programs
508587	Weaving a Cautionary Tale About the Environment	<p>The Kesterson Reservoir was a national wildlife refuge near Gustine, California, that suffered an environmental disaster of epic proportions in the 1980s. The location is now a part of the current San Luis National Wildlife Refuge. Craig Wilson's novel, Kesterson, is a fictionalized account of that sad saga and serves as an allegory to larger concerns, including climate change. Join the author to examine such issues as seen through the lens of the book.</p> <p>Suggested reading: Kesterson by Craig Wilson, Gatekeeper Press</p>	Senior Programs
508595	Civics and Social Justice 1.3	N/A	Health Sciences

508603	Innovative Digital Approaches for Mental Health	In statistics reported by the National Institutes of Health, approximately 9.5% of American adults will suffer from a depressive illness each year. Most people with mental health concerns fail to receive timely access to adequate care or have difficulty getting access to treatment. Is it possible to alleviate some or most of their needs through digital intervention? Joaquin Anguera is one of several researchers studying mobile technology (smartphones and surface pad apps) as a tool for mental health care. In studies of depression among older adults, underserved populations and individuals with cognitive deficits, positive outcomes have been documented. Learn how innovative approaches, especially those involving everyday digital technology, may be used to help alleviate the deficit of mental health care in our nation.	Senior Programs
508653	Ethnic Conflict		Open Campus
508669	Sustainable Strategies		Open Campus
364860	Postharvest Technology	DNP	Open Campus
311560	Restoration Ecology	DNP	Open Campus
508489	Beer Quality, Safety and Sustainability	<p>The practice of producing, packaging, distributing, marketing and selling beer has been a viable venture for hundreds of years. And while techniques, equipment and business models have improved over time, the fundamental processes by which beer is made remains the same. But what does it mean to operate a brewery in the 21st century? In light of the modern consumer's preferences toward quality, safety and a sustainable approach to doing business, how does today's brewer meet these expectations while also running a successful brewing operation?</p> <p>In this course, we will explore these vital questions through a real-world lens, diving into both theory and practical approaches for achieving quality, brewery safety and sustainable business practices. Through online lecture and interactive group discussions, you will gain an in-depth understanding on a variety of topics, including how to setup a quality assurance program for any size brewery; how a brewing operation is audited and assessed for value and efficacy; how to establish a safety program and a workplace culture that prioritizes safe practices; and the environmental, climate and socio-economic factors that affect every brewing enterprise, including measures that can be taken to not only mitigate, but improve those conditions for the community your business serves. By the end of this course, you will possess a firm understanding of the safety and sustainability challenges every brewery faces, and will be armed with practical approaches that will help your brewing operation not only address these issues, but actually thrive.</p> <p>Learning Outcomes</p> <ul style="list-style-type: none"> <li>Create and implement quality assurance programs for breweries of any size</li> <li>Evaluate tests and screening systems for raw materials, processes and products</li> <li>Apply safety regulations and compliance requirements</li> <li>Develop a workplace safety program and promote a safety-first workplace culture</li> <li>Evaluate and employ sustainable approaches to typical brewery activities and functions, including sourcing ingredients, out-bound shipments, effluents, emissions and more</li> </ul> <p>Skills You Will Gain</p> <ul style="list-style-type: none"> <li>Brewery QA/QC implementation</li> </ul>	Agriculture
388300	Tokyo University of Agriculture and Technology EST Program	DNP	International English & Professional Pgm
505881	Forestry Institute for Teachers	The Forestry Institute for Teachers (FIT) was founded in 1993. FIT is a one-week course that is designed to provide K-12 teachers with increased content knowledge, skills and tools to effectively teach their students about forest ecology and forest resource management practices, including timber harvesting, prescribed burning and biomass harvesting. The forest environment is the basis for integrating the teaching and learning of many subject areas, including environmental science, physical science, social science, history, biology and forestry.	Education
508798	Pesticide Regulatory Education Program - FY2021 (PSCSU01)		Occupational & Environmental Management
309790	Forestry Institute for Teachers	<p>The Forestry Institute for Teachers (FIT) is a one-week, experiential course for K-12 teachers. Registered participants may enroll for three academic quarter units. FIT is designed to increase participants' content knowledge, skills and resources to effectively teach their students about forest ecology and forest resource management practices. The program is intricately correlated with the California Department of Education's subject area standards and goals for Environmental Education. The program empowers teachers to foster conceptual learning, critical thinking and decision-making skills in their classrooms. For additional information visit <a href="http://forestryinstitute.org">forestryinstitute.org</a>.</p> <p>A very important objective of FIT is to provide balanced, standards-based education that is vital to the understanding of how decisions are made about management of forests and the natural resources upon which humans depend. Another very important objective is to utilize a balanced approach in exploring the controversial issues surrounding California's forests. FIT participants examine how forest ecosystems and their management impact the needs of both rural and urban citizens in regard to water, wildlife, recreation, biological diversity, habitat protection and consumer products derived from forests. Lastly, participants also draft an environmental education curriculum or service learning project.</p>	Education
169911	Health and Safety Refresher for Hazardous Waste Workers - 8 Hours	This course provides hazardous waste-site employees and supervisors with the annual refresher training in health and safety for hazardous waste workers. Current topics include: chemical and oil spill cleanup, animal feeding operations, personal safety and urban survival, marijuana gardens, biological hazards, heavy equipment, heat illness prevention and heavy metals. New case studies and exercises accompany each module. This course meets requirements established by OSHA for training under the Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) 29 CFR 1910.120(e) (8) and the equivalent California Standard T8 CCR 5192 (e) (8). Participants should first complete the 40-Hour Health and Safety Training for Hazardous Waste Workers.	Occupational & Environmental Management

505446	Health Information Literacy for Data Analytics Specialization on Coursera	<p>Created by UC Davis Continuing and Professional Education and hosted on the Coursera platform, this is an online course consisting of pre-recorded video lectures, auto-graded and peer-reviewed assignments and community discussion forums. This specialization program is self-paced and designed to help you master a specific career skill in as little as 4-6 months.</p> <p>This Specialization is intended for data and technology professionals with no previous health care experience who are seeking for an industry change to work with healthcare data. Through four courses, you will identify the types, sources, and challenges of healthcare data along with methods for selecting and preparing data for analysis. You will examine the range of healthcare data sources and compare terminology, including administrative, clinical, insurance claims, patient-reported and external data. You will complete a series of hands-on assignments to model data and to evaluate questions of efficiency and effectiveness in healthcare. This Specialization will prepare you to be able to transform raw healthcare data into actionable information.</p>	Health Sciences
505928	Integrated Computing and STEM Education	<p>This intensive one-week institute is designed to provide professional development for K-14 teachers on the principles of robotics, coding and physical computing with Arduino and robotics, and how to integrate them into STEM classes. Teachers learn computer programming, computational thinking and problem solving with coding using freely available C-STEM Studio, RoboBlockly and Ch Arduino. Teachers will learn specific teaching pedagogy and strategies for integrating coding, robotics and physical computing activities into math, science and engineering curricula, as well as how to support the Common Core State Standards (CCSS), Next Generation Science Standards (NGSS), Computer Science (CS) Standards using the C-STEM Math-ICT Curriculum with interactive computing, programming and robotics, and physical computing. Teachers also learn how to reinforce mathematical concepts with practical applications via hands-on computing and robotics activities. These computing activities reinforce logical reasoning and critical-thinking skills, as students learn how to write functions, and visualize, process, save and plot experimental and hypothetical data. Teachers will get first-hand experience of C-STEM RoboPlay Competition and advise their students during this level-playing field robot competition.</p>	Education
403820	Caltrans Environmental Compliance: Nuts and Bolts of Environmental Document Review	<p>The Caltrans Environmental Compliance Program for local agency partners and consultants is a pilot program developed by the Caltrans Division of Environmental Analysis-Environmental Staff Development branch in partnership with UC Davis Extension to provide local agency partners and consultants with environmental compliance training to aid them in navigating Caltrans environmental process. Course content will emphasize Caltrans requirements, procedures, and document formats.</p> <p>The Caltrans Nuts and Bolts of Environmental Document Review course is an interactive workshop that presents tips for reviewing environmental documents that have been prepared for Caltrans approval. Participants will improve their ability to prepare and review NEPA Environmental Assessments and Environmental Impact Statements for Caltrans. Participants will learn the appropriate forms to use when reviewing an environmental document, including the Environmental Document Quality Control Reviews form and the Environmental Document Review Checklist. Participants also learn about other valuable tools for environmental document review, including the Caltrans Environmental Document Annotated Outlines, comment matrices, and other tools available on the Caltrans Standard Environmental Reference (SER).</p>	Land Use & Natural Resources
296390	Overview of California Water Law and Policy	<p>Understand the complex and contentious process of allocating California's water resources. Gain a comprehensive overview of the legal and regulatory framework for surface water and groundwater rights, as well as the environmental laws that regulate water use. Topics include:</p> <ul style="list-style-type: none"> <li>Allocation of surface water through appropriative and riparian rights</li> <li>California's system of groundwater rights</li> <li>Authority of the State Water Resources Control Board</li> <li>Protecting Northern California's area of origin laws</li> <li>Environmental protections under the public trust doctrine, the Endangered Species Act, CEQA, Section 404 of the Clean Water Act and Fish and Game Code</li> <li>California water institutions: the Bureau of Reclamation, Department of Water Resources and local water agencies</li> <li>Federal Reclamation Law and the Central Valley Project Improvement Act</li> <li>Legal constraints on water transfers</li> <li>Allocating interstate rivers: Colorado River Basin and Klamath River Basin</li> <li>California's water hub: understanding the Sacramento-San Joaquin Bay-Delta and its regulatory and planning context</li> </ul>	Land Use & Natural Resources
154290	Planning in California: An Overview	<p>Learn the concepts, structures and processes of land use planning and development decisions. This four-day course delivers an overview of general plans, zoning ordinances, subdivision regulation, permit processes, property rights, environmental review, public finance, natural resources and urban design. The instructor and guest presenters place these topics in wider contexts, valuable for both experienced planners who need a review and others who want solid introductions.</p> <p>By the end of the course, the participants will:</p> <ul style="list-style-type: none"> <li>Understand the basic legal tools of land use planning and decision making</li> <li>Be able to apply those tools to specific problems facing California communities</li> <li>Understand the connections among land use, public finance and governance</li> <li>Demonstrate insight into how public policies affect land uses</li> </ul>	Land Use & Natural Resources

500604	Fundamental Conflict Resolution Skills	Practice facilitation and mediation skills and techniques required for successful individual, group and team meetings. Learn strategies to minimize and address conflict in difficult conversations and with difficult people. Explore tools to assess and engage diverse community interests and participants in a meaningful and productive way. Fundamental Conflict Resolution Skills builds upon curriculum learned in the Introduction to Conflict Resolution class, but participation in that class is not a prerequisite to taking this course.	Land Use & Natural Resources
345330	Land Use and Environmental Planning in the Era of Climate Change	<p>The implications of global warming and climate change on land use planning and compliance with CEQA are evolving and becoming more important each year in California.</p> <p>From controlling greenhouse gases and reducing carbon footprint to coastal erosion and pressures on the state's levee system, global warming can substantially influence the development of a community's general plan and the preparation of MNDs and EIRs for CEQA compliance. Invariably, some of the approaches to address the climate change concerns raised in CEQA documents are linked to a community's long-term plans and ways to implement those plans.</p> <p>There are still uncertainties about what the future holds. What does this mean for land use planning and CEQA review in California? How do you make the best planning decisions in light of the predictions and uncertainties of a changing climate? How are cities and counties responding in their general plans and planning implementation programs? What is truly required under CEQA? What guidance is coming from the courts? How does CEQA play into environmental decision-making about climate change issues?</p> <p>Discuss the implications of our evolving understanding of climate change and its practical effects on land use planning and CEQA compliance in California. Topics include:</p> <p>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 as they respond to the effects of climate change  Current state of CEQA approaches for addressing global warming and climate change impacts and significance determinations  Status of CEQA compliance guidance from the state and courts</p>	Land Use & Natural Resources
101030	Subdivision Map Act	<p>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. Explore both local agency and subdivider viewpoints and discuss legal and practical solutions.</p> <p>Topics include:</p> <p>Map Act scope, purpose and history  Relationship of the Map Act to planning, zoning and development laws, including CEQA  When the Map Act does and does not apply  Certificates of compliance and lot line adjustments  Map Act exemptions and exceptions  What type of map is required  Procedures and actions applicable to maps  The role of vested rights, including vesting maps, development agreements and common law vesting  Constitutional and statutory limitations on conditions of approval (exactions/dedications/fees)  Grounds for approval and denial of maps  Rules and procedures regarding final maps  Corrections and amendments to maps  Exclusions and reversions  Mergers and alternatives to mergers  Antiquated subdivisions (old maps) and troubled conveyances  Enforcement, local appeals and judicial review  Best practices for the private sector</p>	Land Use & Natural Resources

350050	Planning and Environmental Law	<p>This course provides students with the skills and knowledge needed to navigate the legal framework in planning and environmental careers. The course reviews the various legal sources of planning and environmental law, including statutes, regulations, and case law. It provides students with a working understanding of how to apply planning and environmental legal requirements, especially within the context of the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA), the State Planning and Zoning Law, and other local, state, and federal environmental laws. Students will also learn how and when to coordinate with, provide support to, and get support from lawyers throughout the planning process.</p> <p>Students will develop a working knowledge of where to find applicable policy guidance, statutes, regulations, case law, etc. when approaching planning tasks and environmental review in California.</p> <p>Students will be introduced to CEQA, NEPA, State Planning and Zoning Law, and other environmental laws. Students will learn how to review and analyze judicial rulings, discuss salient legal points in a professional manner, and communicate legal principles with members of the public, decision-makers, and other planners and governmental counsel.</p> <p>Students will understand when and how, as part of their chosen profession, to communicate and work with attorneys to ensure compliance with applicable laws and regulations, and to assist attorneys with defending lawsuits.</p> <p>Approximately 20 hours of project work and regular attendance are required.</p>	Land Use & Natural Resources
506098	Healthful Living		Open Campus
506139	Intro to Public Health		Open Campus
506149	Sierra Nevada Conservancy - Coaching for various executives		Management & Leadership
502682	Advanced Conflict Resolution Skills	<p>This Advanced Conflict Resolution Skills course will expand students' understanding of negotiation, contrasting difference styles of negotiation and conflict resolution, and their potential impact on both the outcomes and relationships. Instructors will also help participants understand different styles of responding to conflict and how that affects outcomes and relationships. The course will build on earlier courses in the Conflict Resolution series by integrating an understanding of negotiation into an understanding of mediation, allowing participants to gain a broader range of conflict resolution skills. Other aspects of the course include helping participants obtain insights about how to deal with difficult people, how to plan for negotiation and a negotiation process, and how to apply conflict resolution skills to a wide range of contexts.</p> <p>Discover collaborative methods and techniques for consensus building, negotiation and resolving complex conflicts. Learn to find mutually agreeable solutions to challenging situations so projects and programs can move forward. Gain leadership skills to address tough conflict and negotiation settings.</p>	Land Use & Natural Resources
101660	Mitigation Measure Development and Monitoring	<p>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. Topics include:</p> <p>Legal requirements for mitigation measures under CEQA, NEPA and other major environmental laws Recent case law interpretations for mitigation measures Mitigation approaches to difficult subject areas (e.g., transportation, growth-inducement, air quality, wetlands and biological resources) Trends in local government implementation of CEQA's mitigation monitoring requirements Practical advice on how to prepare project-specific mitigation monitoring programs Pros and cons of different enforcement techniques</p>	Land Use & Natural Resources
101990	Thresholds of Significance in Environmental Planning	<p>Determining the significance of environmental impacts under CEQA is one of the most difficult and important decisions agencies must make, yet many agencies have not developed a consistent approach to judging significance and agonize over this issue on a project-by-project basis. Thresholds of significance are a proven method of streamlining the CEQA process. Learn about significance thresholds, the process for developing them and success stories.</p> <p>Topics include:</p> <p>The concept of significance under CEQA The definition of environmental thresholds Advantages and disadvantages of developing thresholds Criteria for determining significance Reliance on other agencies' regulatory standards Adopted thresholds Legal problems Discussing thresholds for greenhouse gases Developing thresholds for any impact discipline The relationship between thresholds, planning policies and standards</p>	Land Use & Natural Resources



506231	The Health and Wellbeing of Medical Providers Webinar	<p>Do you know a health professional who has burnout? What causes this? What can you do about it? Are you aware that in 80% of clinicians who have burnout, the main cause is organizational or systemic? So why do you blame yourself when it s likely not your fault?</p> <p>Attend this free webinar and hear Dr. Peter Yellowlees address burnout and provide information on his upcoming course, The Health and Wellbeing of Medical Providers. He'll discuss the importance of this topic and course logistics. Plus, Dr. Yellowlees and program staff will be available to answer your questions in real time.</p> <p>Reserve your seat today!</p>	Health Sciences
101770	Redesigning the Zoning Ordinance	<p>Zoning ordinances shape the appearance and function of all land uses in a community. The practice of how communities use zoning regulations to achieve development goals continues to evolve, and many cities and counties look to ordinance updates to achieve their development objectives. Discover how to transform your zoning ordinance into a more understandable, streamlined, defensible and effective planning implementation tool. Leading California zoning experts will provide effective principles for revising and updating city and county zoning ordinances and discuss solutions to specific ordinance concerns raised by attendees.</p> <p>Topics include:</p> <p>Correlating zoning ordinance provisions with general plan policies and standards  State-of-the-art zoning ordinance structure, format/style and graphic design for creating easy-to-use documents  Zoning districts: how many, what types, when to use overlays and combining designations  Development standards: type, specification, performance approaches, graphic support and representation  Form-based codes, hybrid codes, design guidelines and sustainable development practices  Content-neutral sign regulations, nonconforming uses and other controversial regulatory issues  Steps to faster, effective and thorough development permit review procedures  Computerizing the zoning ordinance</p>	Land Use & Natural Resources
506264	Meiji University Agricultural Studies Program		International Enterprise
21790	Community Nutrition	DNP	Open Campus
396890	California Naturalist	DNP	Land Use & Natural Resources
503937	Tribal Pesticide Program Council (TPPC) - FY2020 (PSTPP05)		Occupational & Environmental Management
506387	Climate Adaptation Planning for Local Governments	<p>Local and regional governments across the state are struggling to address new regulatory mandates around climate change adaptation and resilience, extreme events and hazard mitigation/disaster recovery. This course will briefly walk the student through the federal, state, regional and local context for climate change adaptation and resilience, focused on the local government perspective. The class will then work through the California-specific paradigm of planning for the impacts of climate change. The class will build capabilities around what to consider when developing a vulnerability and adaptation plan, developing programs and policies and considering short and long term funding. A variety of professionals would benefit from attendance, including public agency planners, elected officials, city managers, finance professionals, attorneys, sustainability professionals, developers, regulators, state agency staff and others.</p> <p>Students will leave with a basic understanding of how to address climate adaptation and resilience in California, including:</p> <p>What climate change adaptation and resilience means at the State, regional and local level  Legislation specific to California that drives mandates and incentives to address climate change adaptation and resilience  Specific resources/processes that are required to be used in California for addressing climate change adaptation and resilience  How to develop a climate change vulnerability and adaptation/resilience plan  Utilize implementation and financing tools to support climate change adaptation and resilience priorities</p>	Land Use & Natural Resources
504604	Farm Management		Open Campus

385160	The Intersection Between Transportation and Land Use	<p>Land use and transportation planning fields have been rapidly evolving due to new legislation on sustainable communities and climate change and an increased emphasis on complete streets and multi-modal analysis. Explore the inextricable link between transportation and land use in the development of general plans, community plans, site plans and environmental impact analyses. Learn best practices, examine case studies and gain practical knowledge and skills to put to use in your community.</p> <p>This two-day interactive course focuses on new policies, technical approaches, models and tools for managing challenging land use and transportation issues. Key topics include:</p> <p>Level of Service (LOS) policies and thresholds: Why vehicle LOS may be obsolete for your community and the consequences and choices to consider when selecting new performance measures and thresholds.</p> <p>The new transportation planning paradigm: Why public agencies should shift their paradigms and the financial, transportation and land use consequences if they don't.</p> <p>Financial constraints and priorities: Why we pay more annually for TV, mobile phone service and more than gas tax, and what it means for your general plan.</p> <p>Travel forecasting models and their blind spots: What planners need to know about travel forecasting models especially when using them to evaluate VMT, GHG emissions or smart growth plans.</p> <p>Legal defensibility versus level of confidence: The difference between these two terms and why it makes a difference in your land use and transportation plans.</p> <p>Completing the streets: Essential factors for creating livable streets, making modal trade-offs and examples of what to avoid.</p> <p>Big data: How the proliferation of new data sources, such as cell phone origin-destination data, GPS speed data and satellite photos are changing land use and transportation planning.</p> <p>CEQA and the General Plan: How to get the most out of General Plan updates and accompanying EIRs.</p>	Land Use & Natural Resources
365610	Habitat Conservation Plan Implementation	<p>Examine the techniques and best practices for implementing Habitat Conservation Plans (HCPs), Natural Community Conservation Plans (NCCPs) and other types of regional conservation plans for endangered species. Learn how to address the challenges of implementing a plan. Topics include:</p> <p>Key implementation challenges</p> <p>Program administration and reporting tools and tips</p> <p>Land acquisition and conservation techniques, issues and solutions</p> <p>Cost-effective habitat management and restoration planning and execution</p> <p>Species and habitat monitoring</p> <p>Permit compliance tools and tips</p> <p>Compliance monitoring, tracking and reporting</p> <p>Plan amendments</p> <p>Implementation lessons learned that help prepare a better plan</p> <p>Note: This course is distinct from the course Habitat Conservation Planning, which covers how to prepare HCPs and NCCPs.</p>	Land Use & Natural Resources
292420	Streambank Assessment and Restoration	<p>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. Case studies and discussions will emphasize the importance of channel cross-section and landform geometry as they influence a stream's connectivity with its floodplain. Students will learn how to evaluate channel conditions and assess restoration potential. 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 (vanes and weirs) versus resistive techniques (riprap and gabions), and biotechnical/bioengineering methods.</p>	Land Use & Natural Resources
505456	Harvest and Post Harvest Management of Fruits and Nuts	<p>These online training modules are designed for small-scale growers and/or beginner farmers. These modules complement the UC Davis Fruit and Nut Research and Information Center's (FNRIC) annual short course on Principles of Fruit ' Nut Tree Growth, Cropping ' Management, which covers the fundamentals of tree biology essential in making sound orchard management and business decisions in growing tree fruit and nut crops in California. If, after taking these online courses you would like more in-depth information on the topics covered, you may want to consider taking FNRIC's annual Principles Short Course. The in-person course incorporates lectures, hands-on lab exercises and field demonstrations to provide information on all aspects of basic plant biology and the relationship between plant biology and fruit and nut orchard management.</p> <p>Note: Special recognition goes to the CDFA Specialty Crop Block Grant Program, the 2015 Walnut Short Course attendees, the California Pistachio Research Board and Mountain View Cold Storage for supporting this project.</p>	Agriculture

505457	Advances in Pistachio Production	<p>These online training modules are designed for small-scale growers and/or beginner farmers. These modules complement the UC Davis Fruit and Nut Research and Information Center's (FNRIC) annual short course on Principles of Fruit ' Nut Tree Growth, Cropping ' Management, which covers the fundamentals of tree biology essential in making sound orchard management and business decisions in growing tree fruit and nut crops in California. If, after taking these online courses you would like more in-depth information on the topics covered, you may want to consider taking FNRIC's annual Principles Short Course. The in-person course incorporates lectures, hands-on lab exercises and field demonstrations to provide information on all aspects of basic plant biology and the relationship between plant biology and fruit and nut orchard management.</p> <p>Note: Special recognition goes to the CDFA Specialty Crop Block Grant Program, the 2015 Walnut Short Course attendees, the California Pistachio Research Board and Mountain View Cold Storage for supporting this project.</p>	Agriculture
505460	Advances in Stone Fruit Production	<p>These online training modules are designed for small-scale growers and/or beginner farmers. These modules complement the UC Davis Fruit and Nut Research and Information Center's (FNRIC) annual short course on Principles of Fruit ' Nut Tree Growth, Cropping ' Management, which covers the fundamentals of tree biology essential in making sound orchard management and business decisions in growing tree fruit and nut crops in California. If, after taking these online courses you would like more in-depth information on the topics covered, you may want to consider taking FNRIC's annual Principles Short Course. The in-person course incorporates lectures, hands-on lab exercises and field demonstrations to provide information on all aspects of basic plant biology and the relationship between plant biology and fruit and nut orchard management.</p> <p>Note: Special recognition goes to the CDFA Specialty Crop Block Grant Program, the 2015 Walnut Short Course attendees, the California Pistachio Research Board and Mountain View Cold Storage for supporting this project.</p>	Agriculture
397720	Advanced Issues of Adult and Child Mental Health	<p>This two-day, advanced, clinically oriented course focuses on child and adult mental health diagnoses from a neurobiological viewpoint, including evidence-based therapeutic practices and psychopharmacological treatments.</p> <p>After attending this training, participants will be able to:</p> <ul style="list-style-type: none"> <li>Understand the DSM 5 diagnostic classification system</li> <li>Recognize the symptoms of commonly diagnosed disorders in children such as ADHD, autism spectrum, disruptive and conduct disorders and adjustment disorders</li> <li>Identify diagnostic categories in children and adults, including trauma- and stressor-related disorders, anxiety disorders, obsessive-compulsive disorders, and substance-related and addictive disorders</li> <li>Recognize medications prescribed for mental health disorders, review common side effects, and explore educational materials and resources for staff, clients and families</li> </ul> <p>Successful participants will have a better understanding of mental health treatment issues and common promising practices of mental health partner providers. Further, participants can use this understanding to make better informed decisions when facilitating access to mental health services for adults, youth and children.</p>	Northern Training Academy
100820	CEQA Update, Issues and Trends	<p>Implementation of CEQA continues to be a challenge for professionals due to annual legislative, regulatory and judicial developments. CEQA practice is constantly evolving, raising new issues and revealing new trends. Learn recent developments and emerging trends, and exchange ideas about handling key issues in the environmental review process. Examine recent CEQA legislation, as well as recent and upcoming regulatory changes.</p> <p>Review the latest CEQA court decisions and their practical implications, including:</p> <ul style="list-style-type: none"> <li>Common sense exemption</li> <li>Categorical exemptions and exceptions (including the recent Calif. Supreme Court decision Berkeley Hillside Preservation v. City of Berkeley)</li> <li>Negative declarations and mitigated negative declarations, as well as the fair argument standard and when a record contains substantial evidence</li> <li>Environmental impact reports and the adequacy of impact analysis (including impacts to agricultural resources)</li> <li>Mitigation measures, agency rule-making requirements and agency requirements to mitigate per Legislature's directive (including recent Calif. Supreme Court decision City of San Diego v. Board of Trustees of the California State University)</li> <li>Trigger for supplemental or subsequent CEQA documents (versus addendums)</li> <li>Tiering from functional equivalent documents or General Plan EIR</li> <li>Litigation matters</li> </ul>	Land Use & Natural Resources

505875	Animal Rescue in Disaster Planning	<p>As California continues to experience more wildfires and flooding, our communities are forced to adapt how they plan for and respond to natural disasters to ensure the safety of our residents, pets and livestock.</p> <p>This hands-on course will focus on the theory and practice of crisis management as it pertains to large and small animals. Topics will include:</p> <p>The relationship between the volunteer animal community, first responders and local government Organizations and facilities in the area of large and small animal production, safeguarding, treatment, and/or support Crisis management principles related to small animal and livestock safety, and lessons learned from recent wildfires and flooding disasters</p>	Land Use & Natural Resources
341790	Am Environmental History	DNP	Open Campus
506544	Emergency Medical Technician (EMT)	<p>Designed for those interested in emergency medical care or thinking about pursuing advanced medicine, the UC Davis Emergency Medical Technician (EMT) Program provides students with the training and skills needed to become a successful EMT.</p> <p>Through engaging lectures and skills practice sessions, students will learn the fundamentals of emergency medicine, including patient assessment, bleeding control, airway management, triage and other skills necessary for the proper care and transport of patients. Students will also be instructed on the administrative aspects of emergency medical care, including understanding the Emergency Medical System (EMS), workforce safety, communication and medical, legal and ethical issues. These lessons will then be applied outside of the classroom, as students receive hands-on clinical experience in a hospital emergency room setting and on ambulance ride alongs.</p> <p>Students who successfully complete the program will possess the knowledge and skills needed to excel in the field of emergency medicine, and will be eligible to sit for the National Registry of EMTs examination to receive certification as a Nationally Registered EMT.</p> <p>This course meets all of the National EMS Education standards for EMTs and is accredited with the state of California through the Yolo County Emergency Medical Services Agency.</p>	Occupational & Environmental Management
506555	Health and Well-Being Impacts of COVID-19 on Tribal Communities	<p>Our health and well-being are always important topics to discuss, even more so during a pandemic. Whether your communities are struggling with shelter-in-place orders, navigating how to successfully work from home, or dealing with new caregiving responsibilities as a result of COVID-19, it is important to find a semblance of wellness to be able to help others during this difficult and tragic time.</p> <p>Topics include:</p> <p>Community Resilience Model: Creating Trauma-informed and Resiliency-focused Communities Mental Health: Anxiety, Depression, Suicidal Ideations Mindfulness and Wellness Strategies and Tools for Coping Moving Forward: Changes and Challenges of Post-Pandemic Client Management</p>	General Social Services
506558	CDSS: Early Childhood and Infant Mental Health	<p>Children entering Child Welfare Services often present unique challenges to the system of care. This course will provide participants with foundational understanding to integrate best practices in child development and early childhood mental health. We will discuss how children develop within the context of their primary relationships, the impact of pre-natal and early-life exposure to toxic stress and trauma, and identify practical ways to apply cutting-edge research from the fields of psychology and neuroscience to daily work with young children. Early identification of needs and access to appropriate mental health services can prevent many significant behavioral and mental health challenges, shifting the trajectory of a child's development toward a life of physical and mental health.</p> <p>By the end of the course, participants will:</p> <p>Gain knowledge in the relational foundation of the mental health of young children Understand and be able to navigate the existing systemic barriers to access to mental health care for young children Be able to describe the impact of exposure to trauma in early childhood via current research on brain development, Adverse Childhood Experiences (ACEs) study, etc. Utilize behavioral health policies and practices around medical necessity and Specialty Mental Health Services Be able to advocate for young children on their caseloads by improving quality of teaming around the mental health needs of young children in the child welfare system</p>	Resource Ctr for Family Focused Practice
506539	Community Involvement and Communication in Planning	<p>Planners use zoning plans, spatial data, and population projections to design land use plans and revitalize physical spaces. Planners decisions can have important and long-lasting impacts on many people. Municipal planners often confront conflict, often about deeply controversial issues. Elected officials, civil servants and professional experts have long played an important role in how these decisions are made, but advocacy organizations, civil society groups and individual activists have become increasingly effective at influencing decision-making in the public sphere. This means that the role of planners is often to determine how diverse groups of people can effectively make decisions about the places and spaces they seek to improve? This course teaches students how to design and implement participatory planning processes in a democratic context.</p>	Land Use & Natural Resources

101220	EIR/EIS Preparation and Review	<p>Many projects are subject to local, state and federal environmental review and noticing requirements. 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. Examine the key content requirements and standards for a combined EIR/EIS document. Learn how to ensure the EIR/EIS notice and review process complies with the procedural requirements and how to resolve potential conflicts between the acts. Discover real-world case studies of successful EIR/EIS integration.</p>	Land Use & Natural Resources
340690	Air Quality Analysis	<p>Learn how to address the significant air quality challenges posed by increasing urbanization and development. Designed for planning and environmental protection professionals who manage, review, and prepare air quality and greenhouse gas (GHG) emissions analyses, this course presents the principles of air quality and GHG assessment and regulation for land use and transportation projects. Through lectures and case studies, build your knowledge of air quality basics including a summary of criteria air pollutants, toxic air contaminants, and GHGs; their sources; and related health effects.</p> <p>Additional topics include:</p> <ul style="list-style-type: none"> <li>- Brief history of air quality regulation</li> <li>- Federal, state, and regional regulatory framework</li> <li>- Construction and operational emission source categories and a brief guide to data collection</li> <li>- Current emission inventory modeling tools, including a real-time run-through of the California Emissions Estimator Model (CalEEMod)</li> <li>- Overview of health risk assessments and dispersion modeling, including an introduction to AERMOD and HARP 2</li> <li>- Components of air quality and GHG/climate change assessments under the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA), including a discussion of thresholds</li> <li>- Recommendations for post-2020 GHG emissions analyses and other challenges associated with relevant case-law</li> </ul>	Land Use & Natural Resources
152571	Designing and Delivering Effective Health and Safety Training	<p>Build the skills necessary to effectively train others in health and safety. Learn to design, develop and deliver workplace health and safety training programs using a wide range of instructional methods. Explore various approaches to instruction, including participatory techniques and tips for engaging a specific audience and facilitating discussions and small group activity methods. Topics include:</p> <p>Adult learning principles  Assessing audience needs  Course development  Instructional methods  Presentation techniques  Evaluation and feedback</p> <p>You will develop and deliver a presentation using the techniques covered and are encouraged to bring work-related projects and supporting materials. A laptop computer is recommended, but not required. This is a required course for the Health and Safety Training Professional Concentration.</p>	Occupational & Environmental Management
502714	Sustainable Groundwater Management Act	<p>Recent passage of California's landmark Sustainable Groundwater Management Act fundamentally changes the landscape for water managers throughout the state. To assist professionals in complying with and implementing the legislation, UC Davis Continuing and Professional Education's Land Use and Natural Resources Program is pleased to announce a new noncredit course focused exclusively on ground water management in today's complex regulatory and hydrologic environment.</p> <p>The program is designed for practitioners from all perspectives: water districts, cities and counties, state regulatory and oversight agencies, consulting engineers, hydrologists, planners and policy analysts, attorneys, IRWM specialists, administrators, environmental and water resource scientists and advocates, and others. The program will delve deep into the law and its requirements, help participants understand groundwater law and hydrology and walk them through creating viable implementation strategies and developing a robust groundwater sustainability plan.</p>	Land Use & Natural Resources

500734	Environmental Policymaking in the Political Context	<p>This course is for public-sector professionals who exercise a role in community engagement, stakeholder outreach, external affairs, or any other capacity where political activities seek to influence the development or implementation of environmental policy.</p> <p>Tailored to the wide variety of environmental policy subjects, at state, regional, and local levels, this course trains public-sector professionals to:</p> <p>Generate informational value from their interactions with advocates, Understand the practices, field, and influences driving the products of advocacy, and Systemically empower underrepresented constituencies in policymaking processes</p> <p>Students will learn techniques in how to:</p> <p>Facilitate results-driven collaboration and consensus-driven negotiation, Arrange and conduct modes of stakeholder engagement that are inclusive, accountable, and knowledge-generating, and Establish, build, evaluate, and utilize relationships of trust with stakeholders and advocates</p>	Land Use & Natural Resources
507625	Supporting Children with Intellectual and/or Developmental Disabilities Who Have Experienced Trauma for Mental Health Professionals	<p>Supporting Children with Intellectual and/or Developmental Disabilities Who Have Experienced Trauma</p> <p>Audience: Mental Health Professionals</p> <p>Monday, August 17th 8:30 AM - Noon and Tuesday, August 18th, 8:30 AM Noon</p> <p>This 7-hour training course is divided into two morning sessions. This course is designed for professionals who provide mental health care, which may include psychologists, psychiatrists, social workers, marriage and family therapists, and counselors. The course is designed to give participants an overview of intellectual and developmental disabilities, how trauma impacts development, trauma response in children with disabilities, trauma-informed services for children with disabilities, and provider self-care.</p>	Northern Training Academy
154370	Financial Aspects of Planning	<p>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.</p> <p>Topics in this course include:</p> <p>Fiscal impact analysis and its importance Local government revenues Public debt and its alternatives Fiscal and financial analysis and how they fit into the planning process A developer's perspective of how planning decisions affect the bottom line The balance between the goals and objectives of public and private-sector participants</p> <p>Approximately 20 hours of study and full attendance to all course meetings are required.</p>	Land Use & Natural Resources
507627	Summer Institute on Bringing Math, CS and STEAM Education to Life	<p>This intensive summer institute is designed to provide professional development for K-14 teachers to learn how to bring learning to life. Participants will gain first-hand experience on the principles of robotics, coding and physical computing with Arduino and robotics, and how to integrate them into STEM classes. Teachers will learn specific teaching pedagogy and strategies for integrating coding, robotics and physical computing activities into math, science and engineering curricula, as well as how to support the Common Core State Standards (CCSS), Next Generation Science Standards (NGSS), Computer Science (CS) Standards using the C-STEM Math-ICT Curriculum with interactive computing, programming and robotics, and physical computing. Teachers also learn how to reinforce mathematical concepts with practical applications via hands-on computing and robotics activities. These computing activities reinforce logical reasoning and critical thinking skills, as students learn how to write functions, and visualize, process, save and plot experimental and hypothetical data. Teachers will get first-hand experience of C-STEM RoboPlay Competition and advise their students during this level-playing field robot competition.</p>	Education
507632	Mental Health First Aid - At a Glance		General Social Services

154360	Environmental Planning and Site Analysis	<p>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. Special focus is given to analyzing site suitability and sensitivity for development, site selection and feasibility studies and conceptual design that responds to site conditions.</p> <p>In this course, you will:</p> <p>Develop an understanding of how to conduct site opportunity and constraint analysis that contribute to good land use decisions.</p> <p>Understand the basic natural and cultural components of a site and region and how these components are interrelated.</p> <p>Achieve basic skills necessary to evaluate and compare the value of mapped data.</p> <p>Acquire critical thinking skills to be able to use complex data, synthesize information and select that which is most significant for decision making.</p> <p>Learn graphic methods of compiling, recording and displaying information on environmental, cultural and economic factors.</p> <p>Understand the value and importance that analysis of the natural and the manmade environment have in planning, design and environmental decision-making.</p>	Land Use & Natural Resources
507667	American History Through Its Urban Spaces	<p>Explore U.S. history from the late-19th century through consideration of the movement of people into and out of cities. As such, we will discuss the tensions between agrarian values and those of city dwellers and their manifestation in debates over the rights of individuals versus the interests of society at large. We'll also consider how people thought about what constituted urban problems and how to solve them, and the relationship between cities and suburbs.</p>	Senior Programs
506009	Designing and Implementing Disaster Recovery and Resilience Programs	<p>Once states and impacted local communities receive disaster recovery dollars, they are responsible for designing recovery programs that will strategically leverage limited funding to help address the most impacted areas and the greatest number of individuals. During the first part of this course, students will learn how to determine and evaluate unmet need with an emphasis on understanding and identifying the needs of vulnerable populations and how to use that information to design impactful housing, infrastructure, economic revitalization and public services programs.</p> <p>After disaster recovery programs are designed, states and localities must scale up operations quickly, building internal capacity, developing plans, policies and procedures and hiring staff to implement a wide range of recovery programs. During the second part of this course, students will learn what is involved in starting up large scale disaster recovery operations, and the lifecycle of typical recovery programs from start up through closeout. Students will also learn about some of the common challenges governments face implementing these programs and best practices to build back resilient communities.</p>	Land Use & Natural Resources
400770	Python Programming for GIS	<p>This hands-on GIS workshop will introduce students to the fundamental programming and GIS principles commonly used in the GIS industry. Students will learn how to automate geoprocessing tasks such as querying data, creating and saving data, connecting data, as well as learning how to automate map production tasks. By the end of the course, students will be able create, modify and troubleshoot Python code.</p>	Land Use & Natural Resources
293450	Biomedical Imaging	DNP	Open Campus
507774	Building Resilience in Yourself and in Our Communities	<p>Resilience is the process of adapting well in the face of adversity, trauma, tragedy and threats or significant sources of stress. It means bouncing back from difficult experiences and feeling stronger and more capable to cope with challenges than ever before. We will explore effective strategies to achieve immediate sustainable and measurable change, leave the unnecessary behind, and restore some normality back into our lives to amplify productivity and see positive results.</p> <p>This four-day program is designed to build resilience in yourself and in the communities you serve. This program provides the helping professional with strategies and tools to navigate through the impacts of the various situations you've endured in recent years.</p> <p>Session 1: Growing Family Resilience</p> <p>This workshop addresses the unique challenges that workers face as they work in a new work environment whether it be doing remote work for the first time, returning to the office or going back to serving clients face-to-face. We'll learn to integrate concepts of positive reengagement with colleagues and clients to rebuild the relational pieces of the work you do. We'll also provide strategies for practicing wellness and mindfulness.</p> <p>Session 2: Mastering Your Daily Routine</p> <p>This workshop provides strategies for increasing productivity levels in the workplace. We'll learn to leverage our strengths for best work outcomes and obtain time and stress management skills. We'll also employ practical key strategies to engage and motivate yourself and others in the workplace.</p> <p>Session 3: Racial Equity and Inclusion</p> <p>This workshop discusses strategies for bringing self-awareness to community needs for equity and inclusion. We'll cover the topics of unconscious bias, microaggressions, communication skills and conflict management through a</p>	General Social Services

342960	Developing and Writing Effective CEQA Documents	Learn a step-by-step approach to preparing and writing CEQA documents. Project managers will learn how to set up their projects to improve author efficiency, effectiveness and client satisfaction. CEQA authors will gain skills for writing clear, concise CEQA sections that address client needs. Editors will receive a complete overview of the document preparation process and their role in that process. In this activities-based workshop, you will discuss outlining, write sections, develop techniques for tracking references and critique project start-up packets and other materials.	Land Use & Natural Resources
507843	Butte County CWS Talking Circle on Race and Organizational Climate	This talking circle for Butte County Child Welfare Services supervisors and managers is designed to provide a safe space to discuss and share thoughts, worries, and hopes about issues of race, equity and inclusion within the organization. This facilitated conversation is an opportunity to reflect on and share experiences, concerns and ideas for how to improve the organizational climate related to issues of race and racism. Information from this session will be used to guide further discussions, training and other supports related to these important issues.	Northern Training Academy
507857	Mystery Medical Case	<p>Are you considering a career in the medical field? Get a taste of what a career in medicine is like with this unique learning experience. In this online course, you'll play the role of a general medical resident working at a fictional hospital. You will be asked to meet a young patient who has some unusual symptoms and work with an attending physician to diagnose and treat the patient. Grow your problem-solving and critical thinking skills as you work in teams to develop a differential diagnosis, analyze medical test results, and try to deduce which disease is affecting the patient.</p> <p>On the first day, the course mentor will give you a tour of the course site and walk you through how to use it. During the course, you will work in a combination of full cohort discussions and breakout team rooms. This is not a lecture-based course. Instead, you will be immersed on day one in a realistic medical-mystery story and will learn by doing as you work to solve the mystery case. Learning resources of relevant content are available on the course website, and you will work in teams to do research and prepare assignments.</p> <p>During your work, you will:</p> <ul style="list-style-type: none"> <li>Meet the patient and take a first pass at developing a differential diagnosis</li> <li>Request test results and use this evidence to revise your differential diagnosis</li> <li>Maintain a personal glossary of medical terminology</li> <li>Continue to investigate the differential diagnosis with this patient by examining additional information</li> <li>Interpret a final round of test results and apply what you have learned to the differential diagnosis</li> <li>React to a twist in the case</li> <li>Develop a discharge summary for the patient</li> <li>Conclude and reflect on your experiences in the course</li> </ul> <p>This course will run from 1:00-3:00PM PDT Monday through Friday for one week. Course activities and class meetings</p>	International Enterprise
315960	Transportation System Operations	DNP	Open Campus
370940	Arab-Israeli Conflict	DNP	Open Campus
504614	One Health Fundamentals		Open Campus
375860	Best Practices of Environmental Education and Stewardship	<p>This course is a 3.0 CEU option for the California Environmental Foundation institute Best Practices of Environmental Education and Stewardship.</p> <p>The institute will provide instruction on three Saturdays by experts in best practices of environment-based pedagogy and environmental education (EE) content. Participants will learn how to apply the latest instructional strategies from veteran staff developers who work for the highly regarded K-12 Alliance. Participants will practice engaging their students in exciting, premier EE curricula identified by the California Department of Education. Selected EE lessons will be led by experts from the California Department of Fish and Game, the California Department of Forestry and Fire Protection, Metropolitan Water District, Los Angeles Department of Water and Power and the California Water Foundation.</p> <p>Meaningful stewardship programs will be introduced by education professionals from the Jane Goodall Institute and the National Geographic Society. Following each Saturday institute, participants will collaborate with their local CREEC network coordinator to determine their curriculum and community EE resource needs. Teachers will use these resources to implement an EE lesson that includes a school or community environmental stewardship project. Implementation results will be shared with their fellow participants at the following Saturday Institute where they will receive feedback and coaching on content, pedagogy and environmental stewardship.</p> <p>All sample activities for teachers and their students will be correlated to California's Next Generation Science Standards and California's Common Core State Standards. Best practices of experiential instruction in environment-based lessons will be presented and later applied by the participants in planning school curriculum and stewardship projects.</p> <p>Topical Outline:</p> <p>The three major themes of the Institute are Systems, Diversity and Interrelationships. Content covered within each theme will feature cross-disciplinary topics of environment: resource management, biodiversity, conserving water</p>	Education
507990	ICWA: Working with Tribal Youth and Communities	Understanding policies, regulations, tribal history, and current strengths and challenges in tribal communities will be included in this course.	General Social Services



397710	Introduction to Mental Health: Child Welfare Case Management Informed by the DSM 5	<p>This two-day training provides participants with an overview of significant mental health issues that impair individual functioning, and it addresses the child welfare worker's role in ensuring clients with special needs receive services to support stabilization.</p> <p>After attending this training, successful participants will be able to:</p> <p>Mitigate the potential for bias and/or misconceptions about mental health disorders when working with clients and stakeholders  Understand how mental health disorders can impact the functioning of children, youth and families  Make informed decisions related to mental health and mental health disorders in the case planning process</p> <p>This training includes an overview of the mental health classification system informed by the Diagnostic Statistical Manual of Mental Disorders (DSM), and will specifically explore the role of the child welfare professional in identifying and assessing the impact of mental disorders and offering best practice interventions within the framework of case management.</p>	Northern Training Academy
505661	Harassment Prevention and Ensuring a Discrimination Free Work Environment	<p>This workshop has been designed to provide an overview, including the legal requirements, of harassment-prevention and a discrimination-free work environment. Participants will gain knowledge about the behaviors that violate anti-discrimination laws, protected categories (e.g., race, sex, national origin, age, etc.), myths and facts about what constitutes harassment, legal issues, and impacts of harassing behaviors on the victim. Strategies for dealing with harassment and discriminatory behaviors will also be incorporated.</p> <p>Learning Objectives</p> <p>Understanding what constitutes behaviors of harassment, sexual harassment, and discrimination;  Applying strategies to ensure a workplace that is free of harassment, sexual harassment, and discrimination;  Awareness of what to do if managers and supervisors receive complaints of discrimination or harassment based on the legally protected basis  Identifying the county's reporting procedures as required by federal Civil Rights Acts, the California Department of Social Services Division 21 Regulation, and other applicable federal, state, and local policies, regulations, and laws exploring strategies to prevent the perception or claim of retaliation</p>	General Social Services
355220	Water, Power, Society	DNP	Open Campus
364800	Sustainable Development	DNP	Open Campus
346540	Urban Planning and Design Studio	Receive hands-on practice in professional urban planning and design skills in a studio/lecture format. Immerse yourself in planning and design principles, examples and case studies for today's communities. Critique land use plans and site designs, create and prepare site plans, and analyze and develop planning staff reports. Emphasis is placed on urban infill and sustainable community design, and the challenges and complexities of planning and urban design in growing communities. In-class studio work and critique, as well as guest lectures, a hands-on downtown design modeling charrette and field visits are also included. There will be a minimum of 24 hours of planning and design work conducted outside of class.	Land Use & Natural Resources
101220	EIR/EIS Preparation and Review	Many projects are subject to local, state and federal environmental review and noticing requirements. 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. Examine the key content requirements and standards for a combined EIR/EIS document. Learn how to ensure the EIR/EIS notice and review process complies with the procedural requirements and how to resolve potential conflicts between the acts. Discover real-world case studies of successful EIR/EIS integration.	Land Use & Natural Resources

163740	Ergonomics in the Workplace	<p>If your employees experience problems with lifting, repetitive motion or overexertion, their improper work practices may cause serious and long-term disabilities. In this course, workplace health professionals will learn the fundamentals of ergonomics in industrial and office workplaces. Discuss medical issues, regulatory strategies, engineering solutions and productivity improvements with a focus on problem solving in real-world situations. A review of safe work practices with a focus on basic ergonomics may help your organization. By the end of this course, students will develop ergonomic recognition and identification skills necessary for implementation of an overall injury prevention strategy.</p> <p>Learning Outcomes</p> <p>Learn the fundamentals of ergonomics in the industrial and office workplace  Understand the role of ergonomics in quality and productivity  Design a complete and ergonomic workstation system  Become aware of ergonomic legislation and trends</p> <p>Skills You Will Gain</p> <p>Office ergonomics  Anthropometry  Ergonomics program development</p> <p>This is a required course for the Workplace Health and Safety Manager Certificate.</p>	Occupational & Environmental Management
508159	Online UC Davis Pre-College Program: Environmental Toxicology	<p>Our Online Environmental Toxicology course is an engaging program designed to give you experience in working on a college-level experiment. With guidance from the instructor and UC Davis teaching assistants, you will be exploring a typical research question you might encounter in environmental toxicology courses.</p> <p>Your research objective will be to explore the effect of toxic chemicals on Guppies that have been released into wastewater treatment tanks to control the spread of disease-carrying mosquitoes. Using data from experiments conducted in a campus lab during the program, you will:</p> <p>Observe how samples are prepared for RNA extractions and cDNA generation.  Learn how to use online databases to identify genomes, genes and protein sequences.  Design primers for quantitative PCR (qPCR) and touchdown-PCR (TD-PCR) using modern open-source bioinformatics software.  Get trained on conducting PCR experiments, agarose gel electrophoresis and gel extractions for subsequent gene sequencing.  Identify adaptive mutations in the sequenced genes of wastewater Guppies by creating nucleotide and amino acid sequence alignments.  Learn how to visualize and interpret collated data and how to design control and follow-up experiments.</p> <p>If you are interested in an emerging field of scientific study, the Online UC Davis Pre-College Program in Environmental Toxicology is an unparalleled opportunity to get guided experience in the field and to explore its applications and possible educational and career opportunities.</p> <p>Daily Schedule:</p> <p>9:30 am - 12:30 pm (PST) - Zoom class led by the main instructor or TA. Students should also expect at least 1 hour of</p>	Center for Program Innovation

505070	Housing 101: Affordable Housing	<p>Designed for planners and public and nonprofit employees, as well as developers, architects and engineers interested in creating more balanced communities, this course focuses on housing history, affordable housing, homelessness and sources/methods for providing a range of affordable housing options. Through lecture and class discussion, where the experience and opinions of students will be welcomed, you will learn about the history of housing policies that have contributed to present-day conditions; income levels and what the term affordability means for both rental and ownership housing; housing development types and what constitutes a healthy housing stock; sources of affordable housing provision; and how to connect housing opportunities and homelessness in the continuum of community needs, services and shelter. By the end of this course, you will possess a stronger understanding of the historical context of California's housing crisis, as well as policy, program and funding solutions to help make your communities housing stock more equitable for all.</p> <p>Learning Outcomes</p> <ul style="list-style-type: none"> <li>Relate former housing policies, events and programs to current-day challenges and programs</li> <li>Differentiate income categories, rent affordability, and price affordability for each category</li> <li>Contrast various types of housing and the potential housing needs each can meet, as well as sources for the production of affordable housing</li> <li>Identify the range of sheltering, programs, and housing types used in the reduction of homelessness</li> </ul> <p>Skills You Will Gain</p> <ul style="list-style-type: none"> <li>Housing policy</li> <li>Calculate affordable housing costs</li> <li>Knowledge of housing types</li> <li>Preliminary knowledge of affordable housing financing and homelessness response</li> </ul>	Land Use & Natural Resources
154360	Environmental Planning and Site Analysis	<p>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. Special focus is given to analyzing site suitability and sensitivity for development, site selection and feasibility studies and conceptual design that responds to site conditions.</p> <p>In this course, you will:</p> <ul style="list-style-type: none"> <li>Develop an understanding of how to conduct site opportunity and constraint analysis that contribute to good land use decisions.</li> <li>Understand the basic natural and cultural components of a site and region and how these components are interrelated.</li> <li>Achieve basic skills necessary to evaluate and compare the value of mapped data.</li> <li>Acquire critical thinking skills to be able to use complex data, synthesize information and select that which is most significant for decision making.</li> <li>Learn graphic methods of compiling, recording and displaying information on environmental, cultural and economic factors.</li> <li>Understand the value and importance that analysis of the natural and the manmade environment have in planning, design and environmental decision-making.</li> </ul>	Land Use & Natural Resources
154370	Financial Aspects of Planning	<p>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.</p> <p>Topics in this course include:</p> <ul style="list-style-type: none"> <li>Fiscal impact analysis and its importance</li> <li>Local government revenues</li> <li>Public debt and its alternatives</li> <li>Fiscal and financial analysis and how they fit into the planning process</li> <li>A developer's perspective of how planning decisions affect the bottom line</li> <li>The balance between the goals and objectives of public and private-sector participants</li> </ul> <p>Approximately 20 hours of study and full attendance to all course meetings are required.</p>	Land Use & Natural Resources
508178	Reading Together, Learning Together: Online Book Study - Cultivating Genius: An Equity Framework for Culturally and Historically Responsive Literacy	<p>This 20-hour course will center around a common professional text focused on writing pedagogy. Participants will read sections/chapters before each meeting, write and read responses from other participants and engage in discussion. Book study will be Cultivating Genius: An Equity Framework for Culturally and Historically Responsive Literacy by Gouddy Muhammad.</p>	Education
169911	Health and Safety Refresher for Hazardous Waste Workers - 8 Hours	<p>This course provides hazardous waste-site employees and supervisors with the annual refresher training in health and safety for hazardous waste workers. Current topics include: chemical and oil spill cleanup, animal feeding operations, personal safety and urban survival, marijuana gardens, biological hazards, heavy equipment, heat illness prevention and heavy metals. New case studies and exercises accompany each module. This course meets requirements established by OSHA for training under the Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) 29 CFR 1910.120(e) (8) and the equivalent California Standard T8 CCR 5192 (e) (8). Participants should first complete the 40-Hour Health and Safety Training for Hazardous Waste Workers.</p>	Occupational & Environmental Management

102270	NEPA Overview and Refresher	<p>This course will provide an introduction to and overview of the key requirements of the National Environmental Policy Act (NEPA), including policies, procedures, and environmental documents necessary for successful compliance. NEPA ensures that information on the environmental implications of any federal, federally-funded, or federally-permitted action is available to public officials and citizens before making decisions or taking actions. The course is designed to be useful for new NEPA practitioners looking for a comprehensive overview of the NEPA process, to more experienced practitioners desiring a refresher and update on some of the most recent statutory, regulatory, and judicial updates and changes.</p> <p>Course topics include:</p> <ul style="list-style-type: none"> <li>NEPA's legal and regulatory framework</li> <li>Determining whether NEPA applies to a proposed action</li> <li>Key steps in the NEPA environmental review process</li> <li>Determining which type of NEPA document to prepare</li> <li>Scoping for NEPA analyses</li> <li>Successful integration of NEPA with other environmental laws</li> <li>Direct, indirect, and cumulative impact analysis</li> <li>Determining significance of impacts</li> <li>Developing effective purpose and need statements</li> <li>Developing and evaluating a reasonable range of alternatives</li> <li>Integrating NEPA and CEQA analyses</li> <li>Writing adequate and feasible mitigation measures</li> <li>Legal adequacy of NEPA documents and NEPA case law</li> <li>Key statutory, regulatory, and judicial updates affecting NEPA practice</li> </ul>	Land Use & Natural Resources
508236	California Naturalist	The California Naturalist certification course explores the qualities that make California ecologically unique, including ecology, environmental science, and land management and stewardship. The program uses a science text, field trips, communication training, and participation in citizen science to promote interactive learning.	Education
508237	UC Climate Stewards	The new UC Climate Stewards course of the UC ANR California Naturalist Program is a certification course for the public. The course prepares participants to engage within their communities in integrated climate solutions, community science, and communication to advance community and ecosystem resilience. There are 43 in-class hours (online and classroom), in addition there are 18 out-of-classroom hours (15 field trip hours and an 8 hour capstone project). Training covers climate science, communication, and community-scale action among other topics. Stewards will gain the skills they need to effectively communicate and engage in transformative local solutions. Participants will be exposed to up-to-date and locally relevant climate science to improve climate literacy and participate in citizen science with collective impact. The group and independent work will improve participants' knowledge, self-efficacy and agency by improving climate literacy, understanding of local opportunities for climate mitigation and adaptation, and fostering climate change communications skills. In sum, this course advances a vision for California to have engaged communities and functioning ecosystems that are resilient in a changing climate.	Education
508249	The Art of Engaging in Conflict	<p>No one is born knowing how to productively move through conflict. For most people, conflict is an unpleasant and stressful experience. Conflict managed well strengthens relationships, deepens understanding, fosters growth, and expands perspectives and possibilities. The result is increased overall personal and professional satisfaction.</p> <p>This course is designed for anyone interested in learning how to lean into rather than recoil from conflict. Students will gain insight into their attitudes and beliefs about conflict and how these impact their approach to uncomfortable situations. Through a mix of lecture, discussion and role-playing exercises, you'll learn about the five conflict styles, identify your natural conflict style, and explore whether or not it is serving you. You will also learn and practice skills and strategies for productively moving through conflict. By the end of the course, you will have acquired practical skills and strategies for conflict management that can be used in your personal and professional life.</p> <p>Learning Outcomes</p> <ul style="list-style-type: none"> <li>Identify internal responses when faced with conflict and consciously choose how to address it</li> <li>More confidently and skillfully engage in any conflict that arises in personal and professional situations</li> <li>Be ready to welcome conflict as an opportunity for growth and change rather than dread it</li> </ul> <p>Skills You Will Gain</p> <ul style="list-style-type: none"> <li>Apply active listening</li> <li>Suspend judgment</li> <li>Engage with genuine curiosity</li> <li>Reframe approaches to conflict</li> </ul>	Land Use & Natural Resources
508261	Civics and Social Justice 1.1		University Programs
508267	Health and Safety in the Workplace 1.1		Health Sciences
508268	Social Inclusion 1.1		Health Sciences
508302	Your Smile: What It Says about Your Health	Do you know someone who does not smile or eat well because of the condition or lack of teeth? Did you know that our chances of dementia and getting COVID-19 are increased with compromised oral health? Today we know the importance of dental health to our overall health and mental well-being. This will be an opportunity to learn more about these interrelationships and to ask questions about prevention and treatment in the non-threatening setting of your home (since who among us feels comfortable in a dental office?). Learn facts to empower you to prevent disease, save money and make better decisions about your health.	Senior Programs

508330	Session 1: Strengthening Families Using a Racial Equity Lens	<p>Data has consistently revealed to us that our foster care system, although well-intentioned, has created harm to many of the families we sought to help, and the harm inflicted on families of color is being uncovered more and more each day. This training will begin with a discussion of how history and policy has shaped our system. By creating an awareness of the infrastructure of our system, this training will illuminate the implications of not pursuing meaningful reform. We'll examine power and privilege and how we can share that power with families, thereby empowering their protective factors. Participants will be challenged to consider their own mindset and learn practical ways to create accountability within our organizations.</p> <p>There are social justice champions working tirelessly in child welfare to build anti-racist systems which strengthen our most vulnerable families, and we will explore these strategies. Based on literature and various frameworks, we'll discuss how our system would function after it has had true and meaningful systemic change, with courageous leadership serving as a catalyst for revolutionary change in organizational mindset. We'll also explore community-level strategies that are driving change around the country. We will conclude the training by discussing what it means for our entire system to evolve into one which develops courageous professionals who positively impact children and their families.</p> <p>Learning Objectives</p> <ul style="list-style-type: none"> <li>- Understand multiple levels of racism and historical context and origin</li> <li>- Understand and articulate the impact of implicit bias in child welfare organizations and practice</li> <li>- Learn power-balancing strategies</li> <li>- Define and understand disparity vs. disproportionality</li> <li>- Understand importance of family connection and sacredness of family ties</li> <li>- Learn anti-racist advocacy</li> <li>- Understand the repercussions of family separation for vulnerable families of color</li> <li>- Understand the differences between a traditional child welfare system and a transformed system</li> </ul>	Resource Ctr for Family Focused Practice
508331	Session 2: Building Self-Healing Communities—Understanding Adverse Childhood Experiences (ACEs) and the Science of NEAR - Neuroscience, Epigenetics, ACEs and Resilience	<p>This session focuses on the impact of trauma, both our own and generational. Come ready to actively participate and engage with others as we delve into the science of NEAR, which includes understanding how Adverse Childhood Experiences (ACEs) and generational trauma increase risks for long-term physical, emotional and social disparities, and also how protective factors can support children, adults and families to decrease those risks. NEAR combines the latest science from Neuroscience, Epigenetics (study of generational impacts), ACEs and Resilience, and when used together set the foundation for families and children to heal. This session aims to support hope and resilience through understanding 3 core protective systems. NEAR combines the latest science from Neuroscience, Epigenetics (study of generational impacts), ACEs and Resilience, and when used together set the foundation for families and children to heal and grow together.</p> <p>Trainer:</p> <p>Dave Ellis is the founding executive director of the New Jersey Office of Resilience, where he shares his expertise with the State of New Jersey and coordinates statewide efforts to prevent, protect against and heal from the effects of Adverse Childhood Experiences (ACEs). He is a national leader in providing trainings and facilitating conversations on the lasting impacts of ACEs and generational trauma. Ellis is a lead trainer and facilitator on ACEs with the New Jersey Education Association and facilitates community dialogues and public-private partnerships to promote wellbeing across Minneapolis.</p>	Resource Ctr for Family Focused Practice
508333	Session 3: An Exploration of the Impact of the Collective Trauma on Children, Families and Communities of Color	<p>Join Dave Ellis once more as he engages participants in an interactive learning experience to examine the implications and impact of collective trauma on children, families and communities of color. This webinar expands on the ideas shared in session two, diving deeper into the connectedness of trauma (identifying what is Yours, what is Mine and what is Ours); cross-cultural implications of trauma; and the 5-fold Practice for Healing.</p> <p>Trainer:</p> <p>Dave Ellis is the founding executive director of the New Jersey Office of Resilience, where he shares his expertise with the State of New Jersey and coordinates statewide efforts to prevent, protect against and heal from the effects of Adverse Childhood Experiences (ACEs). He is a national leader in providing trainings and facilitating conversations on the lasting impacts of ACEs and generational trauma. Ellis is a lead trainer and facilitator on ACEs with the New Jersey Education Association and facilitates community dialogues and public-private partnerships to promote wellbeing across Minneapolis.</p>	Resource Ctr for Family Focused Practice
508345	Paradise Valley Estates Diversity and Inclusion Program Cultural Competence and Our Bias Blind Spots		Management & Leadership
508355	Courses for CA Department of Water Resources (10/2019 - 09/2024)	Courses for CA Department of Water Resources	Land Use & Natural Resources

508429	Advanced Medical Life Support (AMLS)	<p>Advanced Medical Life Support (AMLS) remains the gold standard of education for emergency medical assessment and treatment. Endorsed by the National Association of EMS Physicians, AMLS emphasizes the use of the AMLS Assessment Pathway, a systematic tool for assessing and managing common medical conditions with urgent accuracy.</p> <p>Audience: EMTs, paramedics, nurses, physician assistants and other prehospital providers.</p> <p>Course Card: Upon successful completion, students will receive an NAEMT AMLS certification card valid for 4 years.</p> <p>Time: Full in-person -16 hours, hybrid 8 hours online and 8 hours in-person</p>	Occupational & Environmental Management
402920	Tribal Water Law and Policy	<p>As a result of tribes' sovereign status and federally recognized water rights, they have an important place in the management and allocation of California's water resources. While most water rights are based on state law, federal law recognizes a special type of water right commonly known as federal reserved rights. This right was first recognized in 1906 by the United States Supreme Court in <i>Winters v. United States</i> and applies to certain federal lands, including tribal reservations. Many California tribes have established reserved rights or are in the process of asserting them. This class will cover the legal foundation and policy behind Native American water rights and how these rights fit in California's water allocation system. Students will review recent developments involving Native American water rights, including quantification through litigation and congressionally approved water rights settlements. They will also review Native American water rights issues in the Klamath, Lake Tahoe and Colorado River basins. This unique class is a continuation of the California Water Law and Policy course and would be of interest to policy executives, water and environmental officials and tribal representatives who wish to better understand California water.</p> <p>Topics include:</p> <ul style="list-style-type: none"> <li>The importance of Native American water rights</li> <li>The legal basis for tribal sovereignty</li> <li>Overview of California surface water and groundwater systems</li> <li>The origin of federal reserved water rights and the Winters Doctrine</li> <li>Scope and nature of reserved water rights</li> <li>Quantification of Native American water rights</li> <li>McCarran Amendment and state court adjudication</li> <li>Application to groundwater</li> <li>Tribal water rights settlements</li> <li>Transferring Native American water rights</li> <li>Control of river navigation and riverbeds on tribal lands</li> </ul>	Land Use & Natural Resources
507798	Emergency Medical Technician (EMT) Skills Refresher Practice Session	<p>This skills course is designed for licensed EMTs who are wanting to practice their EMT Skills prior to recertification skills testing. This is an 8-hour in-person skills day. Participants will be given the opportunity to practice the following skills.</p> <ul style="list-style-type: none"> <li>Trauma Assessment</li> <li>Medical Assessment</li> <li>Bag-Valve-Mask Ventilation</li> <li>Oxygen Administration</li> <li>Cardiac Arrest Management with an AED</li> <li>Hemorrhage Control and Shock Management</li> <li>Spinal Motion Restriction Supine and Seated</li> <li>Penetrating Chest Injury</li> <li>Epinephrine and Naloxone Administration</li> <li>Childbirth and Neonatal Resuscitation</li> <li>Glucometer Use</li> </ul> <p>Audience: Current EMTs needing to recertify their EMT license in the State of California.</p> <p>Time: 8 hours</p>	Occupational & Environmental Management

508470	Emergency Medical Technician (EMT) Skills Refresher Testing	<p>This skills course is designed for licensed EMTs who are needing to recertify their EMT license in the State of California by verification of skills competency. This is an 8-hour in-person skills day. Participants must show competency through direct observation/testing in the following skills:</p> <p>Trauma Assessment  Medical Assessment  Bag-Valve-Mask Ventilation  Oxygen Administration  Cardiac Arrest Management with an AED  Hemorrhage Control and Shock Management  Spinal Motion Restriction Supine and Seated  Penetrating Chest Injury  Epinephrine and Naloxone Administration  Childbirth and Neonatal Resuscitation  Glucometer Use.</p> <p>Audience: Current EMTs needing to recertify their EMT license in the State of California.</p> <p>Time: 8 hours</p>	Occupational & Environmental Management
416440	Edible Schoolyard Project Academy: Edible Education in the Field	<p>This course is a 3.0 CEU option for registered participants in The Edible Schoolyard Project Summer Academy Edible Education in the Field.</p> <p>Participants will have an opportunity to learn about curriculum integration and development, funding strategies, volunteer management, class scheduling, rituals and routines of garden and kitchen classrooms, outreach strategies and much more. Participants will leave the Academy with garden and kitchen lessons linked to academic standards, tools for developing programs in their own communities and strategies to strengthen existing programs, and an in-depth understanding of how the edible schoolyard operates on a daily basis. Finally, participants join a network of people all over the world who are engaged in bringing edible education programs to their communities. For additional details, registration and inquiries when the course is not offered visit <a href="http://www.edibleschoolyard.org">www.edibleschoolyard.org</a>.</p>	Education
508490	Health Equity Internship	<p>Students will have the opportunity to apply theoretical constructs in health equity to real-world application in this internship. Designed for students completing their post-baccalaureate certificate, this year-end experience will provide context and experience for students wishing to promote health equity in their own clinical practice.</p>	Health Sciences
503889	Recruitment and Retention of Resource Families in Rural and Tribal Communities	<p>With the ever-growing need for resource parents for children and teens, recruiting is more important than ever. There are families in our communities and counties that will step forward. This session will highlight specialized recruitment strategies and messaging to motivate and engage prospective rural and Tribal resource parents.</p> <p>After attending this training, participants will be able to:</p> <p>Understand how to begin selecting and applying child and family data to focus recruitment planning.  Utilize various targeting strategies for recruitment, including focused talking points, use of social media and identifying specific community locations and entities to engage in recruitment for rural and Tribal resource families.  Identify each component of a strong, data-driven recruitment plan.</p>	Northern Training Academy
40970	Const & Justice Sys	DNP	Open Campus
352170	Comparative Health	DNP	Open Campus

375860	Best Practices of Environmental Education and Stewardship	<p>This course is a 3.0 CEU option for the California Environmental Foundation institute Best Practices of Environmental Education and Stewardship.</p> <p>The institute will provide instruction on three Saturdays by experts in best practices of environment-based pedagogy and environmental education (EE) content. Participants will learn how to apply the latest instructional strategies from veteran staff developers who work for the highly regarded K-12 Alliance. Participants will practice engaging their students in exciting, premier EE curricula identified by the California Department of Education. Selected EE lessons will be led by experts from the California Department of Fish and Game, the California Department of Forestry and Fire Protection, Metropolitan Water District, Los Angeles Department of Water and Power and the California Water Foundation.</p> <p>Meaningful stewardship programs will be introduced by education professionals from the Jane Goodall Institute and the National Geographic Society. Following each Saturday institute, participants will collaborate with their local CREEC network coordinator to determine their curriculum and community EE resource needs. Teachers will use these resources to implement an EE lesson that includes a school or community environmental stewardship project. Implementation results will be shared with their fellow participants at the following Saturday Institute where they will receive feedback and coaching on content, pedagogy and environmental stewardship.</p> <p>All sample activities for teachers and their students will be correlated to California's Next Generation Science Standards and California's Common Core State Standards. Best practices of experiential instruction in environment-based lessons will be presented and later applied by the participants in planning school curriculum and stewardship projects.</p> <p>Topical Outline:</p> <p>The three major themes of the Institute are Systems, Diversity and Interrelationships. Content covered within each theme will feature cross-disciplinary topics of environment: resource management, biodiversity, conserving water</p>	Education
508544	Pesticide Educational Resources Collaborative - FY2021 (PSPSM01)		Occupational & Environmental Management
508589	COP-26 and After: Takeaways from the Climate Change Conference and The Ministry for the Future	<p>Due to a change in the instructors personal schedule, this class has been rescheduled to Monday, May 2, 10:00-12:00.</p> <p>Join noted author Kim Stanley Robinson as he describes his experience as a participant in the COP-26 climate change conference in Glasgow, Scotland. He'll reflect on what we can expect to see going forward from that event, emphasizing the planetary ecological boundaries we are about to break, the international system for taking action and possibilities for financing that action. Much of his lecture will expand on his novel The Ministry for the Future, adding some of what he has learned since completing that book in 2019.</p>	Senior Programs
508599	Sexual Health 1.3		Health Sciences
508648	Sustainable Development Goals	Sustainable Development Goals for Destination Davis programs/tracks.	International English & Professional Pgm
349630	Health Economics	DNP	Open Campus
508712	Serving Clients with Mental Health Challenges	<p>At times, it may seem obvious when someone is going through a difficult time, but there is no simple way of knowing if someone has a mental health challenge. In this workshop, we will learn how to work with participants who may be dealing with mental health challenges. We will explore common terminology, understand symptoms, dual diagnoses and trauma/historical trauma, as well as gain a familiarity with treatment interventions. We will learn strategies that focus on how to make a positive difference when serving clients with mental health challenges.</p> <p>By the end of the training, participants will:</p> <ul style="list-style-type: none"> <li>- Gain a foundational understanding of common mental health challenges and explore statistics across populations</li> <li>- Identify signs and symptoms of someone who may have a mental health challenge</li> <li>- Understand trauma and its impact, and learning how trauma informed care works</li> <li>- Understand ACE's and the importance of the data</li> <li>- Understand symptoms, dual diagnoses, and trauma</li> <li>- Link clients to community resources, including state and national resources</li> </ul>	General Social Services