

University of California, Irvine – Certificate in Emergency Management and Disaster Recovery

The University of California, Irvine Division of Continuing Education offers a certificate program in Emergency Management and Disaster Recovery. The ability to respond effectively to natural, human-caused and technology-related disasters is essential to keeping populations safe, mitigating losses, and ensuring the continuity of essential services and business operations. Aging infrastructures, climate change, population growth, scarce natural resources, terrorist and active shooter scenarios, and sophisticated cyber-crime all contribute to the rapidly expanding need for individuals who are skilled at preventing, responding, mitigating and recovering from a wide variety of threats.

The Emergency Management and Disaster Recovery Specialized Studies certificate prepares professionals to enter or advance their career in this rewarding and high job demand field. The program is for individuals who wish to enter this exciting field and those already in the field looking to enhance their professional credentials with applicable knowledge and practical skills. The certificate is valuable for government employees, first responders and private sector professional who are or wish to become more skilled in emergency management, disaster recovery and business continuity. The program is also ideal for military personal transitioning to civilian careers, facilities and human resource managers, and recent college graduates. The program is also valuable for individual citizens who wish to become effective members of an emergency response team.

Required courses (4)

SOCECOL X490 Principles of Emergency Management (3.00 Units)

All-hazards disaster planning and preparedness is the foundation for a coordinated, timely and well-executed disaster response that applies to a broad range of events. Get an overview of emergency management with a focus on the roles of local, county, state, and federal government, non-profit agencies, and the business community. Gain an understanding of the key principles of emergency management within the framework of mitigation, preparedness, response, and recovery. Enhance your knowledge of risk and threat assessments, prepare emergency plans, manage response, and develop and implement recovery plans. Learn about the regulations and standards that govern emergency management, such as SEMS, NIMS, and NFPA 1600. The principles of emergency management are reinforced with lessons learned from real-life events, and guest experts augment the learning experience.

SOCECOL X498.59 Emergency Management: Business Continuity Planning (1.50 Units)

Gain an understanding of the concepts necessary for an organization to address in preparing for a natural or man-made catastrophic emergency event (fire, terrorist act, hazardous material spill, internal sabotage, etc.). Explore the practical steps necessary to develop and test a plan to assure continuity of business operations. Learn about business continuity planning professional practice subject areas including: risk evaluation and control, business impact analysis, developing and implementing business continuity plans, awareness and training programs, and exercising and maintaining business continuity plans.

SOCECOL X498.87 Response & Recovery Management (3.00 Units)

The purpose of this course is to uncover the principles that promote effective disaster response and recovery operations after disasters. To achieve this goal, the course will examine the nature

of disasters as well as the roles and responsibilities of various actors involved in emergency management. The course will review popular myths and realities regarding human behavior in catastrophic events in addition to divergent approaches for disaster management. The importance of addressing the needs of the affected population will be discussed, and will include recommendations to fulfill a variety of important functions (e.g. implementing the emergency operations plan, warning, evacuation, search and rescue, emergency medical care/mass casualties, mass fatalities, sheltering and mass care, donations management, damage assessment, the disaster declaration process, media relations/public information, individual and public assistance, and critical incident stress debriefing). Various problems associated with response and recovery operations will be identified (e.g. inadequate preparedness measures, safety and site security, politics, communications, coordination and record keeping, etc.). The role of technology and the importance of communications and coordination will be emphasized along with the incident command system, emergency operations centers, the National Incident Management System and the National Response Plan. Each student will be expected to gain a solid comprehension of common post-disaster problems and how first responders and the emergency manager may overcome those challenges now and in the future.

SOCECOL X498.88 Disaster Mitigation

Learn and apply the major principles involved in preparing for and mitigating the impact hazards as result of a man-made, natural, or cyber-crime related disasters. Understand the differences between hazards and disasters and the required steps in the risk assessment process. Analyze each phase of the local hazard mitigation planning processes and how these processes integrate with governmental resources and plans. Identify measures and resources that are required to minimize the effects of a wide range of potential hazards. Be able to prepare a Hazard Vulnerability Analysis (HVA) to recognize risks then prioritize planning, mitigation, response and recovery activities.

The University of California, Irvine Extension, is accredited by the Western Association of Schools and Colleges.

For more information contact:

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Additional information: <https://ce.uci.edu/areas/facilities/emergency/>

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