

Disaster Resilience and Emergency Management (DREM)

DREM 101. Emergencies, Disasters, and Catastrophes. 3 Credits.

An overview of emergencies, disasters, and catastrophes from a social, political, historical, policy, environmental, international and cross-cultural perspective. Focuses on differences in these events in terms of scale as well as cause from the disaster phase approach.

DREM 150. Dealing with Terrorism, Cybersecurity and Other Emerging Threats. 3 Credits.

Examines the historical emergence of security threats and how American society has addressed them. Topics include key homeland security concerns and approaches, events, policies, and organizational structures including relationships to emergency management.

DREM 220. Technology, Tools, and Assessments in Disaster. 3 Credits.

Examines the use of technologies in emergency management and how technologies are used as tools to improve assessments and effectively implement emergency management activities across phases. Coreq: DREM 101.

DREM 222. Career and Professional Development. 3 Credits.

This course focuses on the elements of career and professional development important to personal and professional success. This includes: understanding strengths, interests, and career interests; soft skills important to success in the workplace and career field; examining career pathways; acquiring resume, interview, and job search ability; the role of professional development across the career pathway; and the importance of mentoring, leadership, and being a change agent.

DREM 299. Special Topics. 1-5 Credits.

DREM 325. World Disasters. 3 Credits.

Explores hazard events, emergency management processes and structures, and how they vary around the world.

DREM 345. Understanding Vulnerable Populations in Disasters. 3 Credits.

Using the framework of vulnerability theory this course examines research related to groups that have been historically labeled "special populations" and how their functional needs might be addressed through emergency management. The purpose of this course is to familiarize students with the concept of vulnerable populations and its relationship to disasters, the ways members of various populations can be impacted disproportionately by these events and needs that arise as a result, and what can or should be doing to help prepare for and respond to these needs.

DREM 361. Disaster Preparedness. 3 Credits.

Nature and rationale for public awareness of potential hazards that communities face, preparedness for these hazards, and potential strategies to mitigate adverse consequences. Prereq: DREM 101.

DREM 362. Disaster Mitigation. 3 Credits.

Role of emergency management programs in community resilience and sustainability; incorporation of preparedness, mitigation, response, and recovery in community comprehensive and strategic planning. Prereq: DREM 101.

DREM 363. Disaster Response. 3 Credits.

Principles and procedures related to emergency operations plans, warning, evacuation, search and rescue, mass casualty care, sheltering, donations, management, disaster declaration, and incident debriefing. Prereq: DREM 101.

DREM 364. Disaster Recovery. 3 Credits.

Examination of post-disaster policies and programs that protect the natural environment, improve disaster resistance, support diverse populations, improve economic conditions, and preserve community resources. Prereq: DREM 101.

DREM 381. Disasters Through A Systems Lens. 3 Credits.

Examination of natural and human-made disasters from a multidisciplinary perspective. Prereq: DREM 101.

DREM 410. Comprehensive Emergency Management Planning. 3 Credits.

Educates students in the preparation of various types of emergency management plans and how to lead an effective planning process within non-profits, businesses, and/or government organizations. Prereq: DREM 101 and any one of the following: DREM 361, DREM 362, DREM 363 or DREM 364. Dual-listing: DREM 610.

DREM 413. Disaster Mitigation. 3 Credits.

Examination of how individuals and households, organizations, and communities can minimize their vulnerability to disaster and otherwise reduce or eliminate disaster impacts. Prereq: DREM 101. Dual-listing: DREM 613.

DREM 430. Emergency Management Capstone. 3 Credits.

Synthesis of emergency management coursework for evaluation of personal performance related to undergraduate learning objectives and assessment of areas for professional development into the future.

DREM 431. Disaster Response. 3 Credits.

Examination of the immediate actions individuals and households, organizations, and government can take to preserve life, property, and the environment before, during, and after disasters. Prereq: DREM 101. Dual-listing: DREM 631.

DREM 435. Issues in Homeland Security and Emergency Management. 3 Credits.

An analysis of homeland security and its relationship to emergency management within the framework of evolving domestic and international hazards.

DREM 451. Disaster Preparedness. 3 Credits.

Examination of how individuals and households, organizations, and communities can work towards a state of readiness to respond and recover well if a disaster were to occur. Prereq: DREM 101. Dual-listing: DREM 651.

DREM 461. Business Continuity and Crisis Management. 3 Credits.

This course provides an overview of planning and management principles applicable to business or operational resumption following an emergency. The emphasis will be on minimizing the impact of a disaster on business operations. Dual-listing: DREM 661.

DREM 463. Voluntary Agency Disaster Services. 3 Credits.

Examination of the roles played by local, state, national, and international voluntary agencies in emergency preparedness, mitigation, response, and recovery. Prereq: DREM 101. Dual-listing: DREM 663.

DREM 483. Disaster Recovery. 3 Credits.

Examines the processes that individuals, organizations, and communities must navigate to restore, rebuild, and reshape what had been impacted by a disaster. Prereq: DREM 101. Dual-listing: DREM 683.

DREM 496. Field Experience. 1-15 Credits.

DREM 610. Comprehensive Emergency Management Planning. 3 Credits.

Educates students in the preparation of various types of emergency management plans and how to lead an effective planning process within non-profits, businesses, and/or government organizations. Dual-listing: DREM 410.

DREM 613. Disaster Mitigation. 3 Credits.

Examination of how individuals and households, organizations, and communities can minimize their vulnerability to disaster and otherwise reduce or eliminate disaster impacts. Dual-listing: DREM 613.

DREM 631. Disaster Response. 3 Credits.

Examination of the immediate actions individuals and households, organizations, and government can take to preserve life, property, and the environment before, during, and after disasters. Dual-listing: DREM 431.

DREM 635. Issues in Homeland Security and Emergency Management. 3 Credits.

An analysis of homeland security and its relationship to emergency management within the framework of evolving domestic and international hazards.

DREM 651. Disaster Preparedness. 3 Credits.

Examination of how individuals and households, organizations, and communities can work towards a state of readiness to respond and recover well if a disaster were to occur. Dual-listing: DREM 451.

DREM 661. Business Continuity & Crisis Management. 3 Credits.

This course provides an overview of planning and management principles applicable to business or operational resumption following an emergency. The emphasis will be on minimizing the impact of a disaster on business operations. Dual-listing: DREM 461.

DREM 663. Voluntary Agency Disaster Services. 3 Credits.

Examination of the roles played by local, state, national, and international voluntary agencies in emergency preparedness, mitigation, response, and recovery. Dual-listing: DREM 463.

DREM 683. Disaster Recovery. 3 Credits.

Examines the processes that individuals, organizations, and communities must navigate to restore, rebuild, and reshape what had been impacted by a disaster. Dual-listing: DREM 483.

DREM 720. Resilience for Designers, Planners, and Managers. 3 Credits.

An analysis of the concept of resilience and how it might be applied in communities through the efforts of design, planning, and management professionals.

DREM 730. Advanced Research Methods. 3 Credits.

This course reviews qualitative and quantitative methodologies and provides additional depth on their application to emergency management research projects. Prereq: SOC 700 and SOC 701.

DREM 761. Preparedness Theory and Practice. 3 Credits.

Examination of natural and human-made disasters from a risk assessment perspective, and preparedness and control procedures for each of these types of disaster.

DREM 762. Mitigation Theory and Practice. 3 Credits.

Examination of disaster mitigation theory and the rationale and context of mitigation procedures, programs, and planning. Students will acquire both theoretical and applied understandings of mitigation principles and practices. Prereq: DREM 613.

DREM 763. Response Theory and Practice. 3 Credits.

Examination of the theory and practice of response including response variance and effectiveness.

DREM 764. Recovery Theory and Practice. 3 Credits.

Theory, principles, and procedures used in disaster damage assessment and in emergency supply and service dissemination.

DREM 781. Disaster Analysis. 3 Credits.

Examination of natural and human-made disasters from a multidisciplinary perspective.

DREM 861. Preparedness Theory II. 3 Credits.

Doctoral students develop specialization in preparedness theory by selecting one or more topical areas within preparedness about which they will broaden and deepen their knowledge with faculty mentorship. Prereq: DREM 761.

DREM 862. Mitigation Theory II. 3 Credits.

Doctoral students develop specialization in mitigation theory by selecting one or more topical areas within mitigation about which they will broaden and deepen their knowledge with faculty mentorship. Prereq: DREM 762.

DREM 863. Response Theory II. 3 Credits.

Doctoral students develop specialization in response theory by selecting one or more topical areas within response about which they will broaden and deepen their knowledge with faculty mentorship. Prereq: DREM 763.

DREM 864. Recovery Theory II. 3 Credits.

Doctoral students develop specialization in recovery theory by selecting one or more topical areas within recovery about which they will broaden and deepen their knowledge with faculty mentorship. Prereq: DREM 764.

DREM 899. Doctoral Dissertation. 1-15 Credits.