ENVIROMENTAL HAZARDS AND EMERGENCY MANAGEMENT

The field of emergency management has shown significant growth over the years - and it's only continuing to grow. As disasters and major emergencies are impacting many communities and have become more costly, response and recovery from these events require collaboration and coordination.

So, what, exactly, can you do with a degree in emergency management? We know natural disasters and emergencies will happen - events like floods, fires, hurricanes, droughts and more happen around the world and here at home every year. And when these situations arise, the communities affected sometimes have to deal with the consequences for years.

Our multi-disciplinary Bachelor of Science degree in Emergency Management will prepare you to apply the theoretical underpinnings of the field to practice. Not only that, but you'll obtain an all-hazards knowledge from a scientific perspective and the global, national, regional and local impacts of these events.

You'll interpret and analyze appropriate data and information technology related to all hazards and crisis management, recognize the effective methods for decision making and problem solving related to emergency management and exhibit competency in assessing risk susceptibility, resilience and vulnerability within a community or an organization. , resilience and vulnerability within a community or organizations.

The Environmental Hazards and Emergency Management (EHEM) Minor is an 18-credit multidisciplinary minor offered at Millersville University. Upon completion of this minor, the student will have a foundation on issues related to emergency management and natural hazards including mitigation, planning, and response.

The minor started as a result of the FEMA Higher Education Project, which was initiated in 1995 to encourage institutions of higher education to develop programs that would prepare the next generation of citizens, leaders and emergency personnel to be better educated in disaster and terrorism mitigation, planning and response needs.

the courses

- **EHEM 201**: 3 s.h.
  **Introduction to Emergency Management** (G3)
  An introduction into all aspects of emergency management from the origins through the civil defense era to the present day with a look towards the future of the global aspect of emergency management. Students will learn the basics of emergency management, how to function as an effective emergency manager and how to manage an emergency management agency. Prereq: ENGL 110.

- **EHEM 205**: 3 s.h.
  **Natural Hazards Risk Assessment and Mitigation**
  An exploration of risk assessment methodologies for natural disasters, review of natural hazard mitigation and its role in disaster management; analysis of past and current government and private sector programs; and an examination of new approaches. Natural hazard mitigation implementation approaches including those in the form of community-wide programs and to relate the hazard mitigation processes to disaster planning.

- **EHEM 205H**: 3 s.h.
  **Hon: Hazards Assess & Mitigation**

- **EHEM 300**: 3-12 s.h.
  **Co-Op Ed Experience in EHEM**
  Co-Op Ed Experience in EHEM

- **EHEM 305**: 3 s.h.
  **Disaster Management & Community Risk Reduction** (G3)
  Study of current trends of building disaster resilient and disaster resistant communities to prevent the size of the devastation from these disasters. An examination into prevalent legislation that controls and shapes both building construction and land use planning, technological advances for building a disaster resistant community and legal issues of community planning. Prereq: EHEM 201

- **EHEM 305H**: 3 s.h.
  **Hon: Dis Mgmt & Comm Risk Redu** (G3)

- **EHEM 309**: 3 s.h.
  **Disaster Response & Recovery**
  An in-depth treatment of emergency management practices as it applies to local, state, tribal, territorial, and federal disaster response in the context of short-term and long-term community recovery. The disaster response and recovery efforts will be addressed with a foundation of statutory requirements, key concepts, core principles, roles and responsibilities of leadership ranging from the individual to the Federal government and across the public, private, and the non-profit sectors.

- **EHEM 309H**: 3 s.h.
  **Hon: Disaster Resp/Recovery**

- **EHEM 315**: 3 s.h.
  **Business Continuity and Continuity of Operations**
  Critical dependence of private and public organizations on disaster vulnerable technologies and operations as a result of natural and man-made disasters. Students will have the opportunity to review the contemporary plan development strategies and methodologies and to produce working plans that provide preventive measures to minimize the impact of all disasters and provide an organized response to ensure continuity of operations. Concepts of business continuity management system consisting of risk identification and mitigation, business impact analysis, development of continuity strategies, training and awareness, plan creation, maintenance and testing will be emphasized.

the programs


the faculty

- Yalda, Sepideh; Director, Center for Disaster Research & Education
- Hagelgans, Duane; Associate Professor, Center for Disaster Research & Education
EHEM 316: 3 s.h.
Intro to Terrorism, WMD and Homeland Security (G3)
An introduction into all aspects of terrorism, weapons of mass
destruction and homeland security in our modern world. A study of
the overall history of terrorism, legislation that oversees emergency
management, and various methods for combating terrorism. How to
manage an emergency management agency through modern age terrorism
threats. Prereq: EHEM 201.

EHEM 319: 3 s.h.
Emergency Management Planning
Provides students with an in-depth analysis of planning methodologies
and constructs as well as pitfalls and limiting factors in the development
and execution of emergency management plans at the strategic,
operational and tactical levels. Pre-requisite EHEM 201

EHEM 400: 3-12 s.h.
Co-Op Ed Experience in EHEM

EHEM 489: 1-3 s.h.
Hnrs:

EHEM 498: 1-4 s.h.
Ind Stdy:

EHEM 499: 1-3 s.h.
Hnrs Thesis: