Emergency Management and Disaster Science

**Spring 2024**
GRADUATE COURSE SCHEDULE

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Section</th>
<th>Credits</th>
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<tr>
<td>EMDS 5120</td>
<td>APPLIED STATISTICS IN DISASTER SCIENCE</td>
<td>001</td>
<td>cre 3</td>
<td>M</td>
<td>6:00-8:50pm</td>
<td>CH 240</td>
<td>Wu, T.</td>
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<tr>
<td>EMDS 5650</td>
<td>INTERNATIONAL DISASTER RELIEF</td>
<td>001</td>
<td>cre 3</td>
<td>W</td>
<td>6:00-8:50pm</td>
<td>CH 240</td>
<td>Nelan, M.</td>
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<tr>
<td>EMDS 5800</td>
<td>RISK COMMUNICATION</td>
<td>001</td>
<td>cre 3</td>
<td>T</td>
<td>6:00-8:50pm</td>
<td>LANG 214</td>
<td>Lin, R.</td>
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**Course Description:**

Effectively conveying hazards and risks to the public is a common task for public relations professionals. This course aims to deepen your understanding of risk perception and risk communication theory and research, including the individual and social factors that influence protective actions against threats, as well as the role of mass media. Additionally, we will learn how to apply these theories to the risk communication planning process, providing tools and strategies for developing and evaluating risk communication messages.

For course descriptions, please view the [2023-24 Graduate Catalog](#) and scroll down to the Department of Emergency Management and Disaster Science.
Emergency Management and Disaster Science  
Fall 2024

Graduate Course Schedule

**EMDS 5010  EMERGENCY MANAGEMENT THEORY & PRACTICE**  
001 cre 3  W 6:00-8:50pm  CH 240  Webb, G.

Explores the central conceptual and theoretical topics and debates that inform the discipline and practice of emergency management. Focus centers on the nature of disaster, common misperceptions about human behavior under conditions of stress, and the important literature pertaining to disasters and emergency management. By taking an interdisciplinary approach, the seminar enables students to think critically about the epistemological assumptions of alternative theoretical viewpoints and divergent policy proposals.

Prerequisite(s): None.

**EMDS 5110  DISASTER RESEARCH METHODS**  
001 cre 3  T 6:00-8:50pm  CH 240  Wu, H.C.

Provides an overview of research methods in emergency management and disaster science, including the major goals of empirical research, research design, and the relationship between theory and research. Topics include qualitative and quantitative methods of data collection, levels of measurement, descriptive statistics, thematic coding, and ethics of research.

Prerequisite(s): None.

**EMDS 5615  ENVIRONMENTAL PLANNING AND HAZARDS**  
001 cre 3  M 6:00-8:50pm  TBD  Zavar, E.

Explores the natural disasters and strategies public officials can apply to cope with their impacts on the built environment. Natural disasters of geologic, atmospheric, hydrologic, and biologic origin are considered. An environmental planning focus is taken where an emphasis is placed on human-environment interactions as they are related to environmental extremes. Alternative public policy strategies for coping with natural hazards are considered from the perspectives of preparedness, response, recovery and mitigation activities.

Prerequisite(s): None.