

# UNDERGRADUATE MINOR



## DISASTER MANAGEMENT

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The Institute for Disaster Management offers an undergraduate minor in disaster management that pairs well with any major, from public health and journalism to geography and international affairs. Through the minor program, students acquire a strong foundation in the knowledge and skills they need to apply disaster management to their specific area of focus or to continue on in the field of disaster management.

The structure and topical focus of the minor program engages students in both applied and scholarly work in emergency and disaster management. Coursework for the minor in disaster management focuses on the societal impacts and causes of natural and human-made hazards, including how these disasters can be mitigated, planned for, and adapted to.

## COURSEWORK

The minor consists of 15 semester hours of coursework, which must be completed with a grade of “C” or better.

The required anchor course for the minor is DMAN 3100, “Disasters and Society.” Following the foundations provided by DMAN 3100, students take an additional 12 semester hours of coursework. At least three courses or 9 semester hours must be from the DMAN prefix, and no more than six hours of independent study credit may count toward the minor.



**Institute for Disaster Management**

*College of Public Health*

**UNIVERSITY OF GEORGIA**

**E: [michelle.ritchie@uga.edu](mailto:michelle.ritchie@uga.edu)**

**T: 706.542.8684**

**W: [idm.publichealth.uga.edu](http://idm.publichealth.uga.edu)**

## DISASTER MANAGEMENT ELECTIVE OPTIONS

### ***DMAN 3200: Disaster Policy***

Introduction to policies and practices intended to minimize loss from disasters and hazards in the United States. The costs posed by these hazards continue to challenge managers at all levels of government and in the private sector, and there is a growing demand for this knowledge and skillset.

### ***DMAN 3300: International Aspects of Disasters***

An overview of disasters and disaster management from an international perspective, with a focus on social vulnerability. Content will address a number of issues, including the relationship between disasters and social systems, how disasters are dealt with in different countries, and the interactions between nations during disasters.

### ***DMAN 3400: Disasters, Media, and Pop Culture***

This highly interactive course focuses on representations of disasters in media and pop culture. Issues discussed will include disaster news, social media, symbolism, film, music and disasters, and disaster literature. Students will learn how these issues relate to applied topics in disasters, such as warning communication and policy framing.

### ***DMAN 3750: How to Survive the Apocalypse***

Apocalypses signal an end of times, and they are seen in the histories, present, and futures of life on Earth. In this hands-on course, we examine what it means to survive - and prevent - an apocalypse! Together, we

draw from diverse disciplinary perspectives, including human-environment geography, environmental studies, sustainability, and disaster management.

### ***DMAN 4100: Methods in Disaster Research\* (coming soon)***

Designed to prepare students for a broad range of methods used in the study of hazards and disasters. Topics include quick response fieldwork training, ethics, introduction to SPSS, and basic GIS. Students will practice forming research questions, strategies for data collection, and conducting analyses.

### ***DMAN 4960: Independent Study in Disaster Management***

Individual research with a faculty member. Will be taught by Institute for Disaster Management faculty.

### ***DMAN 4960R: Faculty-Mentored Undergraduate Research I***

Faculty-supervised independent or collaborative inquiry into fundamental and applied problems within a discipline that requires students to gather, analyze, synthesize, and interpret data and to present results in writing and other relevant communication formats.

### ***DMAN 4970R: Faculty-Mentored Undergraduate Research II***

Faculty-supervised independent or collaborative inquiry into fundamental and applied problems within a discipline that requires students to gather, analyze, synthesize, and interpret data and to present results in writing and other relevant communication formats.



### ***ADPR 5120: Crisis Communication***

Students develop crisis analysis, planning, and communication skills through class discussion, analysis of theories, case studies, and development of a crisis communication plan. Students will develop the skills needed to produce or supervise production of public relations materials needed in crisis communication. Real-life situations will be discussed and experienced.

### ***ANTH 3150: Water Worlds***

Contemporary assessment of the multiple ways in which societies understand, value, regulate, and engage with water. Provides an international perspective on the relationship between water and culture, with a focus towards global sustainability.

### ***ATSC(GEOG) 3130: Atmospheric Hazards***

The causes, impacts and policies regarding hazards due to atmospheric phenomena, including hurricanes, tornadoes, windstorms, extreme temperature and precipitation events, and climate change.

### ***CVLE 3470L: Civil Engineering Laboratory - Structural***

Behavior of simple structural elements and systems. Focus on comparison with theoretical results, acceptable discrepancies between experimental and theoretical results, and viable explanations of these discrepancies. Procedures and tools for data collection, analysis, interpretation, and presentation.

### ***GEOG 3640: The Geography of Human Rights***

An examination of how, where, and under what specific conditions violations of human rights occur. Students will review local and global mechanisms for addressing human rights violations, and evaluate how international law, national policies, and local practices are mutually constituted. Contemporary theoretical debates regarding violence and power, memory and history, and the dilemmas of democratic transitions will be critiqued.

### ***GEOG 4/6370-4/6370L: Geographic Information Science***

Principles and applications of geographic information systems (GIS). Examines the nature and accuracy of spatially referenced data, as well as methods of data capture, storage, retrieval, visualization, modeling, and output using one or more GIS software packages.

### ***HIST 3242: Disasters in the Caribbean and Latin America***

Exploration of the history of notable disasters in the Caribbean and Latin America since the heyday of European expansion. The readings focus on earthquakes, hurricanes, and other phenomena, such as epidemics, that human action and inaction have at times transformed into catastrophes. Consideration of how historical forces have conditioned the effects of natural phenomena, how disasters have helped spur socio-political transformations, and how shifting understandings of religion, science, and politics have influenced disasters and disaster relief.

### ***HPAM 3500: Introduction to Healthcare Management***

Public health professionals assume leadership roles in organizations where they are responsible for planning, organizing, staffing, coordinating, reporting, and budgeting of activities. This course is designed to stimulate critical thinking about modern public health administrative issues and develop selected management techniques and perspectives.

### ***HPAM 3600: Introduction to Health Policy***

This introductory survey of health policy issues will include the organization of the health system, health care financing, the policy process in the United States, laws and ethics related to health policy and management, the essential features of policy analysis, and public health communication.

### ***INTL 4440: Strategic Intelligence***

How the Central Intelligence Agency and other agencies gather and assess information, how this information is used by policymakers, the role of such agencies in clandestine operations, and the safeguards against the abuse of this secret power.

### ***INTL 4666: The Politics of Cyber Security***

An introduction to the basics of cyber security, with a focus on its humanistic, social, and political implications. Exploration of the empirical and normative themes that relate cyber security to our students as members of a community, a society, and a nation.

### ***SOCI(INTL): Sociology of Terrorism***

*Note that not all courses will be offered each semester and inclusion upon this list does not indicate that a course will be offered in the future. Prior approval by the host department may be required to enroll in some courses. Other electives not listed may count towards the minor with department approval.*