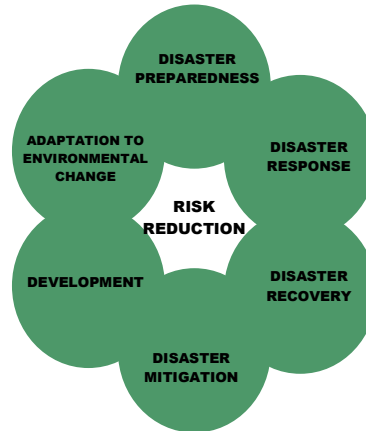


Disaster Management and Humanitarian Assistance



The Disaster Cycle Concept



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DMHA Core Certificate Courses

PLAN 670 Interdisciplinary Seminar in Disaster Management & Humanitarian Assistance (3)

A comprehensive seminar and overview of the field. Learning objectives include developing a common language for cross-disciplinary interchange and collaboration. Coverage includes distinguishing and comparing natural hazard disasters and human-induced disasters. Understanding the disaster cycle concept; integrating response, recovery, mitigation, disaster resilient development, and preparedness. Understanding of the diversity of participants and stakeholders in the hazards and disaster community. Finding the appropriate scale; local, national, regional, global. Formatted as a guest lecture seminar.

PLAN 671 Disaster Management: Understanding the Nature Hazards (3)

An overview of the science of hazards, including hazard types, the impacts of hazards, observing, monitoring and forecasting hazard events, mitigation and response, risk and vulnerability assessment. Addressing the linkages required from basic scientific knowledge about hazards through to applied technologies for mitigation, to public information, early warning and preparedness and the public administration of emergency management.

PLAN 672 Humanitarian Assistance: Principles, Practices and Politics (3)

A multidisciplinary look at how the world responds to disaster, crisis and deprivation. The course provides an opportunity to understand both the basic working structure of humanitarian assistance programs and the theoretical basis for contemporary practice. The major component functions of humanitarian assistance: health & medical services; water supply & sanitation; nutrition & food security; shelter, settlement & infrastructure. How humanitarian work is funded, by who, and why; accountability- or the lack thereof; emergent professionalism and the problem of standards, management issues in aid administration.

PLAN 673 Information Systems for Disaster Management and Humanitarian Assistance (3)

Optional course: Students who intend to pursue operational activities in the field are encouraged to take this core course.

Remote sensing technologies allow for the acquisition of useful observations of hazard phenomena, facilitating the development of monitoring and early warning systems. GIS benefits all aspects of the emergency management cycle from planning, mitigation and preparedness through response and recovery by integrating complex data in a geographic framework that produces actionable information. The course will also introduce satellite communications and other information

and communications technologies used in disaster management.

Graduate Courses in Disaster Management and Humanitarian Assistance

Graduate students are required to take at least three of the DMHA core courses for a base of nine units. An additional six units are selected with advisement from courses related to hazards and disaster management. A one unit capstone completes the requirement. Many departments offer courses which can complement the core course sequence in a coherent, rigorous and pedagogically valid way. Some examples are listed below for illustration purposes.

Example 1. A Meteorology graduate student might take PLAN 670, the Interdisciplinary Seminar, PLAN 671 Disaster Management: Hazards, and PLAN 673, Information Systems for DMHA, for a total of nine core units, along with selected Meteorology courses on Tropical Cyclones, Monsoon Meteorology, or Large-Scale Ocean-Atmosphere Interactions to complete 15 units. The focal area would be hazards arising from severe weather.

Example 2. A Geology and Geophysics graduate student might take PLAN 670, the Interdisciplinary Seminar, PLAN 671 Disaster Management: Hazards, and PLAN 673, Information Systems for DMHA along with G&G courses on Explosive Volcanism, Seismology, and Fractures and Faults. The focal area would be geophysical hazards.

Example 3. A Social Work graduate student might take PLAN 670, the Interdisciplinary Seminar, PLAN 672 Humanitarian Assistance, and PLAN 673 Information Systems for DMHA with SW courses such as Social Work Practice in Communities and Organizations, Child Welfare, and Ethnic and Minority Content. The focal area would be on the delivery of assistance to disaster-vulnerable groups.

Example 4. A Public Health graduate student might take PLAN 670, the Interdisciplinary Seminar, PLAN 672 Humanitarian Assistance, and PLAN 673 Information Systems for DMHA with PH courses on Epidemiology, Tropical Medicine and Microbiology, and Community and Public Health Practice. The focal area would be on public health responses to disaster events.

Many more examples are possible. The program works within the "all hazards" framework, and incorporates the "disaster cycle" model, integrating activities from relief to rehabilitation, to mitigation and preparedness. As such,

participation from a wide range of disciplinary perspectives is desirable.

For more information on crafting a DMHA program curriculum tailored to your own disciplinary interests, please contact the Program Coordinator.

Special Instructions

1. If you have a question about your qualification to take a course, please contact the instructor.
2. If you are an undergraduate student proposing to take a graduate level course, you must obtain permission from the Departmental Chair.
3. If you are a classified or unclassified student, you register for courses in the usual manner.
4. If you are not currently registered at UH Manoa, you may take courses in DMHA / Urban and Regional Planning (for credit or as an auditor) if you meet the prerequisites and have graduated from a regionally-accredited college or university. The procedure is as follows:
 - A. Obtain a Permission to Enroll form from the Department specifying the full title and number of the course (or courses) in which you desire to enroll and certify that you are qualified to do so; and
 - B. Register on or prior to the first day of class with the Outreach College:
 - 1) in person at Krauss Hall 101 from Mondays - Fridays at 8:00am - 5:30pm or
 - 2) by mail using a registration packet which may be obtained by calling the Outreach College, 956-7221

Outreach College requires that the Departmental Permission to Enroll form be submitted at the time of registration.

Special Notes:

- A. Tuition and applicable fees are paid directly to Outreach College at the time of registration.
- B. Grades for Fall semester are posted online on myUH.
- C. Students whose native language is not English and who do not have a U.S. bachelor's degree must submit either their TOFEL, Iolai, or SAT results along with their application before registering for any Urban

and Regional Planning course. Or the student can take English 100 at UH which will waive the submission of a test score if the student finishes the class with a passing grade.

The University of Hawai'i at Mānoa provides a logical location for an Asia Pacific disaster risk reduction research and institutional capacity-building program. The program responds to the compelling need to improve hazard and disaster mitigation and response in the face of increasingly frequent and severe disaster events. The Asia Pacific region suffers the greatest impact of disaster events worldwide, and Hawai'i shares many of these same vulnerabilities. By interacting with hazard and disaster researchers at UH Mānoa and Hawai'i's existing dynamic community of disaster management organizations, students learn how to help build disaster resilient communities.

Our students come from many different academic backgrounds. Some have degrees in the physical and natural sciences, some from engineering, geography, public administration, social work, political science and other social science disciplines. Others are pursuing professional degrees in law, medicine, architecture or public health. Our students tend to be highly motivated to apply their respective disciplinary backgrounds to the problems of reducing the impacts of disaster on people and communities.

FOR FURTHER INFORMATION, CONTACT:

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*The University of Hawai'i at Mānoa is an equal
opportunity/affirmative action institution.*

Available in alternative format on request.

Call 808 956 7381 for assistance.

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