

GRADUATE CERTIFICATE



DISASTER MANAGEMENT

The Graduate Certificate in Disaster Management provides students with an understanding of the principles of disaster management. Students receive advanced training in planning, mitigating, responding and recovering from human-made and natural disasters to improve health outcomes and reduce property losses in affected regions around the world.

The certificate program is open to current graduate students in any discipline, provided the student has a satisfactory academic and/or professional background. Post-baccalaureate individuals not currently enrolled in a graduate program may be admitted as non-degree graduate students.

The certificate requires 12 credit hours (6 core and 6 elective). Core courses include DMAN 7100 – Introduction to Disaster Management and either DMAN 7200 – Disaster Management for Health Professionals or DMAN 7560 - Healthcare Emergency Management. Elective courses must include a minimum of 3 hours of DMAN credits and 3 hours of any other approved elective (non-comprehensive list below).



Institute for Disaster Management

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CORE COURSES

Students must take the following two courses, DMAN 7100 and DMAN 7200 or DMAN 7560 to be eligible to receive a certificate in disaster management.

DMAN 7100 – Introduction to Disaster Management

An in-depth overview of the principles of disaster management, including the history of disaster management, examination of the four phases of disaster management, introduction to federal emergency management functions, and basic disaster terminology.

AND

DMAN 7200 – Disaster Management for Health Professionals

In this course, students will receive hands-on training in disaster management and medicine. Students will receive requisite certifications necessary to engage effectively in disaster response. Certifications will include Stop the Bleed and Basic Disaster Life Support. Additionally, real-world events and practical exercises will be utilized to further increase student knowledge of disasters and steps taken to prepare for, mitigate, respond to, and recover from disasters.

OR

DMAN 7560 – Healthcare Emergency Management

An overview of healthcare emergency management in health facility settings including an all-hazards approach to preparedness, planning, and response. The course will use real-life and hypothetical examples to illustrate how to apply

DISASTER MANAGEMENT ELECTIVES

Students are also required to take 6 hours of elective coursework, one with a DMAN emphasis and another from the approved courses below. However, elective courses not listed below may be approved by IDM faculty.

DMAN 7400 or 7400E – Public Health Crises and Disaster Management

Provide in-depth analysis of case studies involving large-scale national and international disasters.

DMAN 7450 – GIS in Disaster

An in-depth look at emergency and disaster management with an emphasis on the roles of geographic information and geographic information systems. By the end of the course, students will gain an understanding of geospatial perspectives and technologies as they relate to the theory and application of disaster management approaches.

DMAN 7500 – Understanding Terrorism and Homeland Security

A multidisciplinary, comprehensive exploration of contemporary terrorism that helps develop knowledge and skills needed to critically assess terrorism and terrorist incidents.

DMAN 7600 – Disaster Policy, Law, and Ethics

An in-depth examination and evaluation of current U.S. disaster policy, law, and ethical considerations. Content will address critical issues, including how Federalism influences disaster response, the legal impact of a declared Public Health Emergency, and contemporary ethical challenges that might be faced during disaster management.

DMAN 7650 – Disaster Mental Health Overview

An overview of disaster mental health, including information about: traumatic stress brought on by disasters and the impact that has on individuals and communities; the role of the public mental health system; the importance of continuity of operations (COOP); disaster mental health skills and interventions; various disaster mental health training models that are used; and the importance of self-care for all disaster responders.

DMAN 8900 – Special Topics in Disaster Management (independent study)

Group advanced study, reading, or projects in disaster management under the direction of graduate faculty.

DMAN 8910 – Problems in Disaster Management (independent study)

Research or intensive study in a specialized area of disaster management under the direction of a faculty member.

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. (Only one DMAN independent study course will count towards the certificate, DMAN 7200 or DMAN 7560 can count as an elective only if not taken as a core class.)

ELECTIVE OPTIONS

- EHSC 6400 – Environmental Issues in the Developing World
- EHSC 6910 – Introductory Toxicology
- EHSC 8110 – Fundamentals of Chemical and Microbial Risk Assessment
- EHSC 8220 – Predictive Toxicology Using Mathematical Models
- EHSC 8250 – Biomarkers: Public Health, Clinical, and Environmental Toxicology Applications
- EHSC 8400 – Occupational and Environmental Disease
- EHSC 8510 – Environmental Risk Assessment and Communication
- EHSC 8710 – Issues in Biosafety and Biosecurity
- EHSC 8930 – Chemical Toxicology
- EPID 8515/8515L – Modeling Infectious Diseases
- EPID 8610 – Principles and Practices in Global Epidemiology
- GEOG 6370 – Geographic Information Science
- HADM/PHRM 8670 – Economic Evaluation in Health Care
- HPAM 8500 – Comparative Global Health Care Systems
- HPAM 8700 – Management of Public Health Organizations
- HPAM 8800 – Leadership in Public Health
- HPRB/SPCM 6610 – Health Communication
- HPRB 7470 – Program Evaluation in Health Promotion and Health Education
- INTL 8200 – Special Topics in International Relations
- INTL 8210 – International Organizations
- INTL 8230 – International Conflict
- INTL 8280 – Nationalism and Ethnic Conflict
- INTL 8290 – Strategic Intelligence
- JRMC 7355 – Health and Medical Journalism
- JRMC 7356 – Advanced Health and Medical Journalism
- JRMC/SPCM 7611 – Health Advocacy in a Multicultural Society
- JRMC/SPCM 7612 – Medical Interviewing and Information Dissemination
- JRMC 8160 – Special Topics in Public Relations (usually Media and Public Health)
- JRMC/SPCM/PBHL 8165 – Public Health Communication
- JRMC 8170 – Risk Communication
- PADP 7360 – Managing Government Performance
- PADP 7500 – Local Government Management
- PADP 7540 – Productivity Improvement in Local Government
- PADP 7900 – Managing Volunteers in the Public and Nonprofit Sectors
- PBHL 8100 – Current Topics in Public Health
- PBLH/SPCM/JRMC 8165 – Public Health Communication
- PBHL/MIBO/PHSI 8260 – Global Perspectives on Tropical and Emerging Infectious Diseases (1 hr)
- POLS 9200 – Intelligence and National Security
- SPCM 6310 – Communication Strategies in Government
- SPCM/HPRB 6610 – Health Communication
- SPCM/JRMC 7611 – Health Advocacy in a Multicultural Society
- SPCM/JRMC 7612 – Medical Interviewing and Information Dissemination
- SPCM 8610 – Seminar in Health Communication
- SPCM/PBHL/JRMC 8165 – Public Health Communication

