



*Centre for Research on  
the Epidemiology of  
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**MICRODIS**

***MICRODIS Working Paper Series  
2008-July-01***

**List of Existing Disaster-related  
University Courses in Partner  
Countries and Other Relevant  
Countries**

**Maria Teresa Sharon C. Linog, MD  
XU Team Leader – Microdis Project  
Xavier University**

**Aimee Grace Palamine  
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<b>Table 1 Disaster Related Courses (Partner Schools - Partner Countries)</b>							
<b>COUNTRIES</b>	<b>UNIVERSITY AND COLLEGE</b>	<b>COURSE</b>	<b>ABOUT THE COURSE</b>	<b>SUBJECT CODE</b>	<b>DESCRIPTIVE TITLE</b>	<b>SUBJECT DESCRIPTION/CONTENTS</b>	<b>SOURCE</b>
UK	University of Greenwich School of Science	Sustainable Development, BSc	The degree provides a modern, contemporary training in sustainability issues that can be put to use professionally in environmental consultancies, planning, regeneration, business as well as various management careers. Fieldtrips form an important component of the study experience with residential trips to the New Forest, the Lake District and Southern Spain. Students spend half of the final year involved in independent research working on a one to one basis with a member of staff.		Year 1 Society, Economy and Sustainability Practical Science Skills Earth's Dynamic Systems Science and the Environment Year 2 Research Methods for Geography and Environmental Science Sustainability: An Interdisciplinary Perspective People, Environment and Sustainability Environmental Management and Regeneration Optional Sandwich Year (Work Placement) Final Year Research Dissertation in Sustainable Development Sustainability: A Global Perspective Readings in Sustainability Two options from: Urban Development and Planning Geography of Tourism and Development Conservation and the Environment Climate Change Volcanic Hazards and Environmental Systems Contaminated Land Remediation		<a href="http://www.gre.ac.uk/courses/ug/ees/susdev">http://www.gre.ac.uk/courses/ug/ees/susdev</a>

<b>UK</b>	University of Greenwich	Occupational Safety and Health, MSc/PGDip/PGCert	Occupational safety and health aims to prevent accidents, ill-health and other losses arising from work and work activities. The last few years have also seen safety professionals becoming increasingly responsible for environmental issues and with current concern about climate change, this responsibility will almost certainly grow. This programme covers all aspects of occupational safety, health and environment.		The Chemical Environment The Physical Environment Environmental Impact and Management Ergonomics and Workplace Psychology Safety and Risk Management Work Based Learning Portfolio Critical Thinking Research Methods Dissertation		<a href="http://www.gre.ac.uk/courses/pg/saf/occsaf">http://www.gre.ac.uk/courses/pg/saf/occsaf</a>
<b>BELGIUM</b>	CRED - Ucl School of Public Health	Assessing Public Health in Emergency Situations ( International CRED Summer Course 2008)	This 2 week intensive course is designed to provide professionals from various backgrounds with the epidemiological techniques and tools to determine impacts of disasters and conflicts on human health. It will also cover the different uses of quantitative tools for the assessment of health needs in populations affected by catastrophic events.				<a href="http://www.cred.be/Ap/hes/">http://www.cred.be/Ap/hes/</a>
<b>GERMANY</b>	Heidelberg University	2 Week Short Course(June 9 - 20,2008): Climate Change and Health -causes, impacts and adaptation policies-					<a href="http://www.ihdp.unu.edu/file/public/Health_Env+Short+Course">http://www.ihdp.unu.edu/file/public/Health_Env+Short+Course</a>

UK	Northumbria University School of Applied Sciences	Geography (BSc (Hons))	This degree offers a fresh contemporary approach to the study of the physical environment. Heightened awareness of climate change, natural disasters and the sustainable future of our planet make Geography one of the most relevant subjects for today's graduates.				<a href="http://northumbria.ac.uk/?view=CourseDetail&amp;code=UUFGEOS1">http://northumbria.ac.uk/?view=CourseDetail&amp;code=UUFGEOS1</a>
UK	Northumbria University School of Applied Sciences	MSc in Disaster Management and Sustainable Development	<p>This stimulating and dynamic MSc course will permit you to register for an MSc, Postgraduate Diploma (Pg Dip) or Postgraduate Certificate (Pg Cert) in Disaster Management and Sustainable Development.</p> <p>The course focuses on disaster management and sustainable development including frameworks and skills for addressing contemporary hazards, disasters and complex emergencies, in both post-development and majority world contexts.</p>	GE0172	Physical and Mental Health for Disaster Man/ment & Dev.	This unit examines approaches to physical, psychological and social well being for both immediate and secondary emergencies. It lays foundations for comparing and contrasting alternative policy strategies in preparedness and responses to emergent health hazards, complex health disasters, and the development of appropriate health care systems.	<a href="http://northumbria.ac.uk/?view=CourseDetail&amp;code=DTFDMS6">http://northumbria.ac.uk/?view=CourseDetail&amp;code=DTFDMS6</a>
				GE0173	MSc Disaster Man/ment and Sustainable Dev.Dissertation	The MSc Dissertation is a single piece of work focussed on a case study of disaster management and sustainable development. The dissertation will demonstrate ability to apply relevant methods and perspectives to the chosen topic.	
				GE0175	Disaster Man. & Sust. Dev/ment. Work Placement	The module focuses on critical vocational skills and experience for employment in the disaster management and sustainable development field of practice.	

				GE0201	Approaches to Integrated Emergency Management	The increasing complexity of the developed world is leading to concerns around its vulnerability to a range of threats; emergencies, technological disasters, natural hazards and terrorism and sabotage. In response to this increasing complexity organisations involved in emergencies are preparing and updating emergency plans to deal with the range of threats that they are likely to encounter.	
				GE0214	Research Methods for Disaster and Development	The module explores the research process, research designs, methods and data analysis. It introduces a variety of theories and methods of research appropriate to postgraduate level and prepares students for the design of their dissertation proposal. Students will also consider and be equipped to address ethical issues within research.	
				GE0230	Subject Exploration: Disaster and Development	This module is designed to provide an opportunity for advanced exploration into a particular subject area of interest to the student and within the broad field of disaster and development. This exploration is achieved through following an individually tailored programme, derived through the negotiation of a study plan to produce an extended essay and literature review. The initial work allows discussion between student and academic supervisor on the development of a subject-specific study plan, outlining subject area, methods and timeline.	

				GE0235	Disaster Risk Reduction and Response	This module aims to explore the contested models of disaster management and how they inform policy at various levels from the supra-national to the local. A wealth of case studies will be drawn upon to illustrate the breadth of the subject and the different approaches to disaster risk reduction and response.	
				GE0243	(Distance Learning) Research Methods for Disaster and Development	The module aims to provide students with an understanding of the methodological issues underpinning research for disaster and development and to equip them with a basic repertoire of techniques and approaches necessary to carry out a research project in disaster and development	
				GE0246	Managing Climate Change Risk	This module is available through Distance Learning. The module explores and analyses critical concepts and terms central to debates over climate change, including risk and uncertainty, adaptation and mitigation, burden sharing, and problems and issues relating to regimes, strategies and policy instruments for addressing global warming.	
<b>PHILIPPINES</b>	Xavier University JP. Rizal School of Medicine	Medicine	The course offers students an innovative approach to their medical education and training. The curriculum is largely problem-based with a multidisciplinary approach to teaching basic and clinical sciences.	MED 326	Preventive and Community Medicine 3	A newly integrated curriculum focuses on the role of climate change, global warming and health, the emergence and resurgence of diseases related to extreme events and the significance of disaster risk management of the local and national government agencies as it relates to the community.	<a href="http://www.xu.edu.ph/jprcm/description.htm">http://www.xu.edu.ph/jprcm/description.htm</a>
<b>PHILIPPINES</b>	Xavier University College of Engineering	Civil Engineering	This course is designed to give its students a balanced education in Structural Design, Geotechnics, Construction Technology and Management, Transportation Engineering, Environmental Science, Hydraulics and Water Resources. It also serves as a good venue to choose a	CE 40 CE 45 CETE 20 CE 46 CE 50 CE 51	Structural Theory 1 Structural Theory 2 Earthquake Engineering Foundation Engineering Structural Design 1 Structural Design 2	These 6 subjects deal with disasters due to structure failure or foundation failure. These subjects are part of the newly integrated curriculum implemented SY 2008 -2009.	<a href="http://www.xu.edu.ph">http://www.xu.edu.ph</a>

			particular career specialization for future Professional practice and Graduate Studies				
		Chemical Engineering	The program offers a broad and rigorous training in the fundamentals of chemical engineering that is primarily designed to develop each students' ability to analyze, invent and apply chemical processes and products	CHE 513 CHE 523	Plant Design and Project Study 1 Plant Design and Project Study 2	These subjects relate to hazards and operability aspects and safety considerations of designed Chemical Plant.	<a href="http://www.xu.edu.ph">http://www.xu.edu.ph</a>
		Electrical Engineering	Involves the art and science of developing, applying and controlling electrical and related phenomena of nature as it relates to extreme events (e.g. natural disasters).	ES 50	Disaster Risk Management	Introduced and implemented this SY (2008 -2009), this subject focuses on disaster risk management in a developing area context.	<a href="http://www.xu.edu.ph">http://www.xu.edu.ph</a>
INDIA	University of Delhi School of Environmental Studies	MSc Environmental Studies			Elective Module: Environmental Hazards	Introduces the students to various environmental hazards, their causes, nature, preparedness and assessment of loss. It teaches them to model hazards and familiarizes them with methods of disaster management.	<a href="http://www.du.ac.in/sites/syllabus/Syllabus.pdf">http://www.du.ac.in/sites/syllabus/Syllabus.pdf</a>
INDIA	University of Delhi Delhi School of Economics	MA Geography			Natural Hazards and Disaster Management	Course Outline: 1. Concept of Hazards, Risk, Vulnerability and Disaster. 2. Types of Hazards: Natural, man-made. 3. Regional Dimension of hazard: Occurrence and trends, methods of identifying hazard prone regions. 4. Disaster Losses and Impact – Displacements, livelihood, economy and infrastructure, health. 5. Response to Disasters: International, national, government, non government, community and individual, media and education. 6. Mitigation and Management: Plans and policies; engineering, economic, social, political and policy initiatives.	<a href="http://web.du.ac.in/~geography/main_files/MAGeogSyllabus.pdf">http://web.du.ac.in/~geography/main_files/MAGeogSyllabus.pdf</a>

<b>VIETNAM</b>	Hanoi school of Public Health	Bachelor of Science in Public Health training program	Its objective is to train bachelor of public health who has medical ethics, good health, knowledge of basic and social sciences, of basic medicine and public health in order to identify and deal with prioritized health problems of the community and who can learn independently to meet the need of people's health care.		Disaster and Health		<a href="http://www.hsph.edu.vn/english/node/564">http://www.hsph.edu.vn/english/node/564</a>
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Table 2

DISASTER RELATED COURSES(Other Schools)

COUNTRIES	UNIVERSITY AND COLLEGE	COURSE	ABOUT THE COURSE	SUBJECT CODE	DESCRIPTIVE TITLE	SUBJECT DESCRIPTION/CONTENTS	SOURCE
UK	Coventry University Department of Geography, Environment & Disaster Management	Disaster Management and Emergency Planning BSc Honours degree	The focus of this programme is Disaster Management and Emergency response within a developed world context. It aims to equip graduates with the skills needed to practice disaster mitigation, preparedness, response and long-term recovery activities within a complex technological society such as the UK.				
UK	Coventry University Department of Geography, Environment & Disaster Management	BSc Geography and Natural Hazards	The course includes detailed study of: Hurricanes, tornadoes, snowstorms, drought, hillslope instability, permafrost and glacier hazards, dam bursts, river floods, storm surge, oceanic thermohaline circulation, sea level changes and El Nino Southern Oscillation (ENSO).				<a href="http://www.coventry.ac.uk/courses/undergraduate-full-time-a-z/a/1259">http://www.coventry.ac.uk/courses/undergraduate-full-time-a-z/a/1259</a>

<b>UK</b>	Coventry University Department of Geography, Environment & Disaster Management	BSc Natural Hazards	The BSc Natural Hazards degree course will provide you with an in-depth understanding of the processes responsible for these hazards, together with the skills to analyse them. In addition, you will gain knowledge on the measures available to mitigate against natural hazards. You will learn the basic principles of geology, geomorphology, climatology and aspects of geography, disaster management and disaster relief.				<a href="http://www.coventry.ac.uk/courses/undergraduate-full-time-a-z/a/1264">http://www.coventry.ac.uk/courses/undergraduate-full-time-a-z/a/1264</a>
<b>UK</b>	Coventry University Department of Geography, Environment & Disaster Management	BSc Disaster Management	The Disaster Management BSc course is designed to address the needs of the rapidly emerging discipline of Disaster Management. It aims to equip graduates with the skills needed to practice both nationally and internationally in disaster mitigation, preparedness and response.				<a href="http://www.coventry.ac.uk/courses/undergraduate-full-time-a-z/a/2344">http://www.coventry.ac.uk/courses/undergraduate-full-time-a-z/a/2344</a>
<b>UK</b>	Coventry University Department of Geography, Environment & Disaster Management	BSc Disaster Management and Engineering	The Disaster Management and Engineering degree course aims to equip graduates with the skills needed to practice both nationally and internationally in disaster mitigation, preparedness, response and long-term reconstruction of disaster affected communities.				<a href="http://www.coventry.ac.uk/courses/undergraduate-full-time-a-z/a/2347">http://www.coventry.ac.uk/courses/undergraduate-full-time-a-z/a/2347</a>
<b>UK</b>	Coventry University Department of Geography, Environment & Disaster Management	BSc International Disaster Management (Year 3 entry)	It aims to equip graduates with the skills needed to practice both nationally and internationally in disaster mitigation, preparedness and response.				<a href="http://www.coventry.ac.uk/courses/undergraduate-full-time-a-z/a/4542">http://www.coventry.ac.uk/courses/undergraduate-full-time-a-z/a/4542</a>

<b>UK</b>	Kingston University London School of Earth Sciences and Geography	Environmental Hazards and Disaster Management BSc(Hons)	There will be four key themes of study: earth and environmental science; human science; disaster studies and emergency planning; skills and techniques modules, eg fieldwork, data gathering, presentation and research. Experience of geographical information systems, remote sensing and fieldwork will equip you with specialist skills used to understand, monitor and predict natural hazards.				<a href="http://www.kingston.ac.uk/ehdm/">http://www.kingston.ac.uk/ehdm/</a>
	Kingston University  Postgraduate course in Environment and Hazards	Hazards and Disaster Management PgCert/PgDip/ MSc	Students on this course will study the underpinning scientific principles and modern management strategies covering a wide range of natural and human-induced hazards, such as tectonic hazards, climatic hazards, biological hazards and terrorism.				<a href="http://www.kingston.ac.uk/pghazarddisastermgt/">http://www.kingston.ac.uk/pghazarddisastermgt/</a>
<b>London, U.K</b>	University College London  Department of Civil, Environmental and Geomatic Engineering	MSc in Earthquake Engineering with Disaster Management		GEOLGG09	Earthquake Seismology and Earthquake Hazard	The course aims to provide an understanding of the dynamics of the solid Earth from theoretical and observational seismology and seismotectonics in relation to earthquake hazard and mitigation. It provides an in-depth study of earthquake seismology and earthquake hazard.	<a href="http://www.cege.ucl.ac.uk/students/postgraduate/edm">http://www.cege.ucl.ac.uk/students/postgraduate/edm</a>
<b>London, U.K</b>	University College London Department of Civil, Environmental and Geomatic Engineering	MSc in Earthquake Engineering with Disaster Management		CIVL G023	Disaster Risk Management	The module aims to improve earthquake engineers' understanding of disasters and disaster management and to provide them with knowledge and skills to function more effectively as part of wider disaster risk management initiatives.	<a href="http://www.cege.ucl.ac.uk/students/postgraduate/edm">http://www.cege.ucl.ac.uk/students/postgraduate/edm</a>

<b>London, U.K</b>	University College London  Department of Civil, Environmental and Geomatic Engineering	MSc in Earthquake Engineering with Disaster Management		CIVL G024	Mitigation of Earthquake Losses	This course explores the different approaches to seismic risk mitigation. It provides an overview of existing repair and strengthening and base isolation techniques for different classes of buildings and the influence of these on the dynamic properties of the buildings. It also aims to raise awareness of repair and strengthening techniques used for vernacular structures.	<a href="http://www.cege.ucl.ac.uk/students/postgraduate/edm">http://www.cege.ucl.ac.uk/students/postgraduate/edm</a>
<b>UK</b>	University of Glamorgan in collaboration with Hame Polytechnic England  Faculty of Health, Sport and Science	MSc/PgD/PgC Disaster Relief Healthcare	The course aims to prepare healthcare professionals for leadership roles in disaster relief situations worldwide.				<a href="http://www.glam.ac.uk/course/details/685/541">http://www.glam.ac.uk/course/details/685/541</a>
<b>UK</b>	University of Central Lancashire Department of Forensic and Investigative Science	MSc Disaster Victim Identification	The MSc in Disaster Victim Identification is designed for both graduate students and practitioners interested in developing skills in disaster victim identification. It uniquely combines basic knowledge of techniques of forensic identification with management techniques of DVI.				<a href="http://www.uclan.ac.uk/courses/pg/files/fzdvi.htm">http://www.uclan.ac.uk/courses/pg/files/fzdvi.htm</a>

UK	University of Salford, School of the Built Environment	MSc/PgDip/Pg Cert Disaster Mitigation & Reconstruction	The programme aims to develop the skills and knowledge of built environment and other professions, working nationally and internationally, in disaster mitigation and reconstruction, so that they may strengthen their capacity in strategic and practical aspects of disaster preparedness, rehabilitation and reconstruction. The programme provides an opportunity for students to study contemporary issues surrounding disaster management theory and practice, combined with the wider study of built environment applications across the disaster management life cycle.		Principles of Disaster Preparedness and Reconstruction	Understanding disasters Disaster preparedness, response and reconstruction Reducing risk and continuity management Procuring and supplying temporary services and shelter Restoring major infrastructure and rehabilitation Linking reconstruction to development	<a href="http://www.sobe.salford.ac.uk/studyatsobe/courses/m-sc_dis_recon_overview/">http://www.sobe.salford.ac.uk/studyatsobe/courses/m-sc_dis_recon_overview/</a>
					Participatory Preparedness and Reconstruction	Stakeholder consultation in the decision making process Participatory construction risk appraisal tools and needs assessment Rehabilitation and livelihoods Strategic leadership for post-disaster reconstruction Gender in preparedness, response and reconstruction Corporate social responsibility	
					Post-disaster Project Management	Reconstruction project management Governance and financial management Compensation and insurance Procurement, contract management and sourcing of materials and equipment Logistics, resource planning and monitoring Health and safety and construction waste management	

					Knowledge Transfer and Integration	Knowledge management practices and the disaster lifecycle Knowledge transfer and systems integration Building resilience auditing, recovery planning and assessing disaster-related damage Environmental impact assessments Local regulatory frameworks Problem solving, communication skills and team working	
<b>UK</b>	University of East Anglia, Overseas Development Group	Climate Change and Development Sept 1-12, 2008 ( 2 week short course)	The purpose of this interactive short course is to equip participants with a comprehensive understanding of what climate change may mean for low-income populations and what the scope and prospects are for adapting to change in a development context.				<a href="http://www1.uea.ac.uk/cm/home/schools/ssf/dev/odg/prodev/ccd">http://www1.uea.ac.uk/cm/home/schools/ssf/dev/odg/prodev/ccd</a>
<b>UK</b>	University of East Anglia, School of Environmental Science	Climate Change Msc	The aim of the MSc in Climate Change is to provide an authoritative and up-to-date assessment of the subject of climatic variation, including climate history, present-day climate variation and climate prediction, and the impacts of climate change on human welfare.				<a href="http://www.cru.uea.ac.uk/env/msc/climate_change_MSc.pdf">http://www.cru.uea.ac.uk/env/msc/climate_change_MSc.pdf</a>

<b>UK</b>	University of East Anglia, School of Development Studies	MSc in Climate Change and International Development (MScCCID)	The course will address aspects of the policy process, and include units on dimensions of climate change (CC) and development: International policy frameworks on climate change; Adaptation and Mitigation choices and pathways; Adaptation and National Responses; Linking CC mitigation and development (CDM and beyond); The carbon trade: markets and development; CC and poverty reduction, trade-offs and synergies; Local responses to extreme events and disasters; adaptation and mitigation impacts in Africa; Sectoral responses (e.g. Managing coastal / water resources).				<a href="http://www1.uea.ac.uk/cm/home/schools/ssf/dev/postgrad/master/MScCCID">http://www1.uea.ac.uk/cm/home/schools/ssf/dev/postgrad/master/MScCCID</a>
<b>Colorado, USA</b>	University of Colorado at Boulder  School of Arts and Science	Geological Sciences		GEOL 3950 (3).	Natural Catastrophes and Geologic Hazards.	Surveys historic and prehistoric natural disasters, their cause, and potential for recurrence. Meteorite impact, earthquakes, volcanic eruptions, tsunamis, landslides, floods, magnetic reversals, and major extinction events. Course formerly numbered as GEOL 4950. Prereq., one year science. Approved for arts and sciences core curriculum: natural science.	<a href="http://www.colorado.edu/catalog/catalog08-09/courses/collegesofartsandsciences.html">http://www.colorado.edu/catalog/catalog08-09/courses/collegesofartsandsciences.html</a>
<b>Kansas, USA</b>	Wichita State University  Department of Geology	BS/BA Geology		GEOL 102.	Earth Science and the Environment (3).	General education introductory course. Studies the processes that shape the Earth's physical environment; the impact of human activities on modifying the environment; use and abuse of natural resources including soil, water, and air; waste disposal; and natural environmental hazards.	<a href="http://webs.wichita.edu/?u=geoscience&amp;p=/undercourses">http://webs.wichita.edu/?u=geoscience&amp;p=/undercourses</a>

				GEOL 560.	Geomorphology and Land Use (2).	Identification of landforms and their genesis; processes producing landforms; the influence of geomorphology in aspects of natural hazards such as landslides, floods, earthquakes, and volcanic activity; soil erosion, drainage basin modification, coastal and desert environments, mineral resource exploitation, and their effects on humans; importance of these influences in environmental management and land-use planning.	<a href="http://webs.wichita.edu/?u=geoscience&amp;p=/undercourses">http://webs.wichita.edu/?u=geoscience&amp;p=/undercourses</a>
<b>Kansas, USA</b>	Pittsburg State University  College of Arts and Science ,Department of Social Sciences	Bachelor of Science Degree with a Major in Geography		SOSCI 508	Geography of Hazards and Disasters	Geographic aspects of a variety of hazards and disasters throughout the world. Physical processes, social and economic implications of these events, perceptions, impacts, responses and mitigation strategies.	<a href="http://www.pittstate.edu/pubs/catalog05-07/sosci.html#boamg">http://www.pittstate.edu/pubs/catalog05-07/sosci.html#boamg</a>
				SOSCI 502	Global Environmental Change	The physical dimensions and the human causes and consequences of global environmental change, including air pollution and the enhanced Greenhouse Effect, ozone depletion, deforestation and land degradation.	<a href="http://www.pittstate.edu/pubs/catalog05-07/sosci.html#boamg">http://www.pittstate.edu/pubs/catalog05-07/sosci.html#boamg</a>

Indiana, USA	Tri-State University Professional Studies	Bachelor of Science in Emergency Management	The BSEM degree is a career-oriented degree that prepares students in the areas of mitigation, preparedness, response and recovery of intentional and/or natural disasters or emergencies. Classes will be held at the Public Safety Academy of Northeast Indiana. This degree enables a graduate to: Acquire the skills necessary for developing a career of leadership in emergency management professions Acquire a wide-range of knowledge within emergency and disaster situations Acquire a depth of study through the general education components	EM 103	Introduction to Emergency Management	This course examines the role of Emergency management in today's society. This course will examine the theories, principles and concepts of managing emergencies that impact our communities. The course will address mitigation, preparedness, response and recovery, as well as roles of Federal, State and local (public and private) agencies. Analysis and discussion will cover past and present hazards and approaches, and legal issues within the discipline.	<a href="http://www.tristate.edu/professional/bsem_degree.cfm">http://www.tristate.edu/professional/bsem_degree.cfm</a>
				EM 113	Introduction to Hazard Mitigation and Planning	This course will examine hazards and hazard mitigation planning. The course will examine causes of and resulting behaviors of hazards and the potential for Federal, state and local agencies to mitigate the potential threats presented by hazards. The course will also look at coordination of planning responsibilities of emergency managers as they relate to emergency preparedness and the specialty areas that need to be coordinated.	<a href="http://www.tristate.edu/professional/bsem_degree.cfm">http://www.tristate.edu/professional/bsem_degree.cfm</a>
				EM 223	Risk Assessment and Vulnerability	An adequate hazard, risk and vulnerability (HRV) analysis is the cornerstone of successful disaster management. Communities need to be able to identify potential hazards, to determine those hazards most likely to occur, to evaluate vulnerabilities, and to develop mitigative programs in order to reduce the likelihood and consequences of disasters. Developing an effective implementation of the disaster	<a href="http://www.tristate.edu/professional/bsem_degree.cfm">http://www.tristate.edu/professional/bsem_degree.cfm</a>

						management plan across disciplinary boundaries will be discussed.	
				EM 253	Disaster Relief and Recovery	The purpose of this course is to address relief and recovery from disasters that occur. The majority of effort will focus on natural disasters, but planned (e.g. terrorism) and unplanned (e.g. oil spills) disasters will be covered as well. Policies, programs and procedures for managing the relief effort and methods of providing the best return to normalcy will be discussed and assessed. Also covered will be the concept of minimizing the occurrences and damages of recurring future events.	<a href="http://www.tristate.edu/professional/bsem_degree.cfm">http://www.tristate.edu/professional/bsem_degree.cfm</a>
				EM 313	Hazardous Materials Operations	This course will cover the dangers posed by hazardous materials to the operations personnel, to the responders and to the community. Best practices for storage, transportation and use of hazardous materials are covered. Categories and identification of hazardous materials, as well as State and Federal laws regulating hazardous materials will be learned.	<a href="http://www.tristate.edu/professional/bsem_degree.cfm">http://www.tristate.edu/professional/bsem_degree.cfm</a>

				EM 353	Assessing Hazardous Weather and Community Risk	This course provides an overview of how weather, climate and natural climatic and geophysical events can create natural disasters for our communities. Threats to human life and property are discussed as well as plans for minimizing the effect of such threats to society. Efforts to control such threats and how to best communicate the danger of the threat will be covered.	<a href="http://www.tristate.edu/professional/bsem_degree.cfm">http://www.tristate.edu/professional/bsem_degree.cfm</a>
				EM 383	Preparedness and Response Operations	The purpose of this course is to promote effective disaster response and management. The course will examine the nature of disasters and the roles of various agencies and actors in response to them. The course will also explore various preparedness strategies that enable more effective disaster response. Past responses will be examined as well as problem solving to propose solutions and improvements that could positively impact future responses. Each student will be expected to gain a solid comprehension of common post-disaster problems as well as effective means of overcoming those challenges and problems.	<a href="http://www.tristate.edu/professional/bsem_degree.cfm">http://www.tristate.edu/professional/bsem_degree.cfm</a>
				EM 403	Managing the Consequences of Terror	The history of violence and terrorism, domestic, internationally and trans-nationally will be reviewed in this course. Hazard analysis, risk assessment and mitigation strategies will be covered. The structure and legal context of anti-terrorism programs and responding to terrorist disasters and preparedness are all major parts of the course.	<a href="http://www.tristate.edu/professional/bsem_degree.cfm">http://www.tristate.edu/professional/bsem_degree.cfm</a>

				EM 423	Social Dimensions of Disaster	This course will be an overview of empirical versus theoretical approaches to human behavior in disaster. The myths and reality of the social response to disaster, group disaster behavior, and community social systems will be addressed. Cultural implications, demographics and disaster behavior distinctions will be studied. The class will focus on model-building in sociological disaster research.	<a href="http://www.tristate.edu/professional/bsem_degree.cfm">http://www.tristate.edu/professional/bsem_degree.cfm</a>
				EM 453	Emergency Management Capstone	This course is an overview of the Emergency management core courses and will pull the theories, concepts and practices of emergency management together. Students in this course will work collaboratively to solve simulated disasters in a way that produces the most desirable outcomes to all citizens affected by the simulated disasters. Recovery operations will be stressed.	<a href="http://www.tristate.edu/professional/bsem_degree.cfm">http://www.tristate.edu/professional/bsem_degree.cfm</a>
USA	UC Santa Barbara Department of Geology			GEOG 145	Society and Hazards	Presents geographic approaches to the study of environmental hazards, exploring the evolution of theory and key concepts, causal processes, trends and patterns in the spatial distribution of vulnerability and hazard impacts, and the challenge of management and adaptation.	<a href="http://www.geog.ucsb.edu/courses/undergraduate-courses/">http://www.geog.ucsb.edu/courses/undergraduate-courses/</a>
USA	East Carolina University	Graduate Certificate in Security Studies		PLAN 6015	Emergency/Disaster Planning	Integrate techniques of emergency management planning for technological and natural disasters. Special emphasis will be placed on vulnerability assessment and risk management for terrorism and the disaster threats.	<a href="http://online.northcarolina.edu/course.php?id=21112">http://online.northcarolina.edu/course.php?id=21112</a>

<b>USA</b>	Southern Illinois University Carbondale  School of Liberal Arts	Geography		GEOG 436	Natural Hazards	This course develops the skills and perspectives needed to effectively manage natural and technological disasters. Major themes include risk analysis, hazard mitigation and preparedness, response and recovery of the economic and social infrastructure in areas impacted by earthquakes, floods, drought, toxic material releases and other catastrophic events. Geographic training places a geographer at the forefront of developing hazard management solutions for society.	<a href="http://www.geography.siu.edu/courses/default.html">http://www.geography.siu.edu/courses/default.html</a>
<b>USA</b>	University of Texas at Austin, School of Nursing			N347/N395	Disaster Nursing Elective Course	This course introduces the student to the various roles of nurses in mass casualty disasters. The causes and unique characteristics of disasters and their effects on communities will be presented. The nurses' participation in the multidisciplinary organizational and clinical management of disaster will be emphasized.	<a href="http://www.utexas.edu/nursing/dp/html/courses/disaster.html">http://www.utexas.edu/nursing/dp/html/courses/disaster.html</a>

USA	George Washington University, School of Engineering and Applied Science	Graduate Certificate in Emergency Management and Public Health		EMSE 232 EMSE 239	Crisis and Emergency Management Medical and Public Health Emergency Management	Concepts and problems of crisis and emergency management. Defining crises, emergencies, and disasters. Developing crisis, contingency, and incident management plans. The National Response Plan, National Incident Management System, organizing for response, managing the response organization, managing in a turbulent environment, crisis decision making and communications. Medical and public health management issues encountered in crises, emergencies and disasters are examined and presented at the technical level of a non-medical emergency manager. The spectrum of medical, public health, psychological and behavioral problems are described, as well as incident management organization and processes that addresses these concerns and integrate medical and public health assets into the response.	<a href="http://www.gwu.edu/~icdrm/programs/certificate.html">http://www.gwu.edu/~icdrm/programs/certificate.html</a>
USA	University of West Florida, School of Allied Health and Life Sciences	BS Health Sciences		PHC 4183	Medical Disaster Management, Allied Health Concentration	This course introduces students to various facets of natural and technological disasters, while integrating public health research designs and practices. Class lectures and discussions utilize recent and historical case studies as a basis for developing the critical thinking and leadership skills needed by healthcare professionals in crisis situations. International, domestic, and regional settings are addressed, as well as the social, economic, and political aspects of disaster planning, preparedness, and mitigation. Students gain an understanding of basic public health concepts and methodologies, as they relate to course material.	<a href="http://www.uwf.edu/sahls/courses/phc4183/Syllabus-MedicalDisasterManagement-2007.htm">http://www.uwf.edu/sahls/courses/phc4183/Syllabus-MedicalDisasterManagement-2007.htm</a>

USA	Louisiana State University Health Sciences Center School of Public Health	Master of Public Health (MPH) program in Environmental and Occupational Health Sciences (ENHS)	It is designed to provide graduates interested in careers in risk assessment, water quality management, regulatory toxicology, occupational safety and health, industrial hygiene, or disaster preparedness and management with a solid academic and experiential background.	ENHS 6250	The purpose of this course is to provide public health students with an overview and awareness of potential threats facing our homeland and to familiarize students with the protocols for response for Public Health employees and for the local, state, and federal agencies associated with response and recovery.		<a href="http://publichealth.lsuhsu.edu/ENHS-Degrees.html">http://publichealth.lsuhsu.edu/ENHS-Degrees.html</a>
USA	Louisiana State University  College of Arts and Sciences	BA in Liberal Arts with Concentration in Disaster Science and Management	<p>The Disaster Science and Management is an interdisciplinary program which provides student interested in the public, not for profit, and private sectors with:</p> <ul style="list-style-type: none"> <li>• A broad understanding of the nature and impact of disasters on the natural, built and human environments</li> <li>• A basis for establishing strategies to effectively plan for disasters, mitigate the adverse effects of disasters, respond to disasters, and recover from disasters.</li> </ul>	<p>DSM 2000</p> <p>DSM 2010</p> <p>DSM 3910</p>	<p>Hazards and the Environment</p> <p>Fundamentals of Emergency Management</p> <p>Hazards Seminar</p>	<p>Exploration of the interaction processes between natural/technical hazards and society that cause disasters; introduction to the natural and technological hazards and disasters; hazards and disaster management; environmental considerations and impacts.</p> <p>Introduction and overview of emergency management functions and processes in federal, state, and local governments; roles of nonprofit and private organizations in disaster planning, response, and recovery; critical management issues in effective response and recovery to natural and man made hazards.</p> <p>Guest speakers and presentation of reports and discussion with students and faculty concerning a broad range of issues, problems, and topics related to disasters and emergency management.</p>	<a href="http://www.dsm.lsu.edu/undergraduate-concentration.htm">http://www.dsm.lsu.edu/undergraduate-concentration.htm</a>

USA	Tulane University School of Public Health and Tropical Medicine	MPH in Disaster Management and Graduate Certificate in Disaster Management	The disaster management program objectives are: Apply public health science, policy and practice principles to address the health threats resulting from natural and intentional disasters. Integrate environmental public health strategies in the development, execution, and evaluation of each core component of disaster management: preparedness, detection, response, containment and recovery.	ENHS 643	Disaster and Emergency Communication	The course is a fast-paced, interactive course that focuses on the essential knowledge and tools needed to navigate the harsh realities of communicating to the public, media, and stakeholders during an intense public emergency, including terrorism.	<a href="http://www.sph.tulane.edu/CAEPH/dl/Programs/dismgmt.htm">http://www.sph.tulane.edu/CAEPH/dl/Programs/dismgmt.htm</a>
				ENHS 693	Population Issues during Disasters		
				ENHS 695	Psychosocial Aspects of Environmental Health Disasters	The course covers the theoretical development, history, and empirical studies of the psychosocial dynamics and sequelae of disasters.	
				ENHS 691E	Environmental Aspects of Disaster Response	This course examines the fundamentals of the environmental health and consequence management infrastructure through the lens of a disaster situation.	
				NHS 692	Environmental Sampling, Monitoring and Analysis in a Disaster	This course is designed to provide students with knowledge and tools for sampling and monitoring of the environment following a disaster such as floods, hurricanes, earthquakes, explosions.	
USA	Tulane University School of Social Work and School of Public Health and Tropical Medicine	MSW/MPH degree in Emergency Response and Disaster Management (ERDM)	It is designed for students whose career plans include responding to critical incidents such as community trauma, natural disasters, acts of violence toward populations, or other crises. The joint degree increases the student's career options in both social work or public health by providing the individual with clinical-community social work skills and public health program skills.				<a href="http://www.tulane.edu/~tssw/New_TSSW/Programs/mswemergency.html">http://www.tulane.edu/~tssw/New_TSSW/Programs/mswemergency.html</a>
NETHERLANDS	Wageningen University	MSc International Development Studies		RDS35306	Natural Hazards and Disasters	One of its course objectives is to become familiar with the prevailing theories, basic concepts, typology, and epidemiology of natural hazards and related disasters;	<a href="http://www.mid.wur.nl/UK/Subjects/Optional+courses/">http://www.mid.wur.nl/UK/Subjects/Optional+courses/</a>

<b>INDIA</b>	Sikkim Manipal University of Health, Medical and Technological Sciences	Master of Science (M.Sc.) Degree in Disaster Mitigation	This course was designed to meet the demand of the growing needs of experts in the fields of Disaster Mitigation, Hydrological, Coastal, Marine, Atmospheric, Geological, Technical, Forests, Wind and Water Driven Disasters for mitigating the effects of earthquakes, floods, droughts, cyclonic storms, landslides, avalanches etc.				<a href="http://www.ecology.edu/iiee/disaster.htm">http://www.ecology.edu/iiee/disaster.htm</a>
<b>INDIA</b>	Guru Gobind Singh Indraprastha University, School of Environment Management	M.B.A. (Disaster Management)	The aim of the course is to provide full-time postgraduate education in the principles, procedures and practices of Disaster Management within an international context. This is to enable for reducing disaster risks as well as improve the delivery of post-disaster assistance to promote effective recovery.				<a href="http://ipu.ac.in/usem/enhome.htm">http://ipu.ac.in/usem/enhome.htm</a>
<b>INDIA</b>	Bhavnagar University, Department of Business Administration	P.G. Diploma Programme in Disaster Management (PGDDM)	This programme is designed to provide intensive inputs in the area of Disaster Management to the graduates of different disciplines. The programme has following objectives: To provide the knowledge of principles in related areas of Disaster Management and its different applications, To develop familiarity with the procedures, practices and policies of the disaster administration, To provide specialized knowledge of different functional areas related to Disaster Management.		Semester One : 1. Principles of Management 3 2. Principles of Disaster Management 3 3. Management of Disaster Response Operations 4. Earthquake Management 3 Semester Two : 1. Research Methods and Analysis in Disaster Management 3 2. Hazard Risk Assessment 3 3. Project Work 12		<a href="http://www.bhavanimanagement.org/othercourses.html#pgddm">http://www.bhavanimanagement.org/othercourses.html#pgddm</a>

<b>INDIA</b>	Global Open University	Executive MBA (Disaster Management)			<p>Introduction to Disaster Mitigation</p> <p>Hydrological, Coastal and Marine Disasters</p> <p>Atmospheric Disasters</p> <p>Geological, Mass Movement &amp; Land Disasters</p> <p>Forests Related Disasters</p> <p>Wind and Water Driven Disasters</p> <p>Technological Disasters</p> <p>Case Studies in Disaster Management</p>		<a href="http://www.eduedu.org/executivemba.htm">http://www.eduedu.org/executivemba.htm</a>
<b>INDONESIA</b>	Gadja Mada University	International Summer Course on Disaster Medicine Theme: Global Warming)( July 6 -26,2008)	Basic disaster medicine course with specialized in Global Warming theme, social work for applying the knowledge and skills to the society, clinical clerkship in Sardjito General Hospital, and social program. This program is specialized designed for clinical medical students.				<a href="http://www.gmusummercourse.org/">http://www.gmusummercourse.org/</a>

<b>COUNTRIES</b>	<b>UNIVERSITY AND COLLEGE</b>	<b>COURSE</b>	<b>ABOUT THE COURSE</b>	<b>SUBJECT CODE</b>	<b>DESCRIPTIVE TITLE</b>	<b>SUBJECT DESCRIPTION/CONTENTS</b>	<b>SOURCE</b>
Christchurch, New Zealand	University of Canterbury  College of Science	Postgraduate Diploma in Engineering Geology	The course is concerned with the application of the geological sciences to engineering work , identification and mitigation of geological hazards , and aspects of land-use planning .	ENGE 476	Earthquake and Volcanic Hazards	It develops aspects of both seismotectonic hazard evaluation and volcanic hazard mitigation, and examines selected case histories of major disasters caused by tectonic processes with emphasis on seismological data input into hazard analysis.	<a href="http://www.canterbury.ac.nz/courseinfo/GetCourses.aspx?type=exactsubject&amp;value=Engineering+Geology&amp;year=2008">http://www.canterbury.ac.nz/courseinfo/GetCourses.aspx?type=exactsubject&amp;value=Engineering+Geology&amp;year=2008</a>
Christchurch, New Zealand	University of Canterbury  College of Science	Postgraduate Diploma in Engineering Geology	The course is concerned with the application of the geological sciences to engineering work , identification and mitigation of geological hazards , and aspects of land-use planning .	ENGE 477	Ground Failure Hazards	The course is an advanced treatment of the investigation, analysis, prediction and mitigation of landslide hazards and related ground subsidence problems. The first part deals with landslide terminology, processes, recognition, investigation, instrumentation, analysis and remediation. The second part of the course examines newer methods of landslide investigation and current research, together with selected case studies in landslide hazards investigation and mitigation.	<a href="http://www.canterbury.ac.nz/courseinfo/GetCourses.aspx?type=exactsubject&amp;value=Engineering+Geology&amp;year=2008">http://www.canterbury.ac.nz/courseinfo/GetCourses.aspx?type=exactsubject&amp;value=Engineering+Geology&amp;year=2008</a>

Christchurch, New Zealand	University of Canterbury  College of Science	Geology		GEOL 113	Environmental Geohazards	Lecture topics include geological concepts ancient and modern, meteorites and mass extinctions, volcanoes and volcanic hazards, earthquakes and earthquake hazards, slope instability, flooding and coastal hazards, urban development, impacts of mining, water resources, water quality, waste disposal and "climate change".	<a href="http://www.canterbury.ac.nz/courseinfo/GetCourses.aspx?type=course&amp;value=Geology&amp;year=2008&amp;search=1#Geology">http://www.canterbury.ac.nz/courseinfo/GetCourses.aspx?type=course&amp;value=Geology&amp;year=2008&amp;search=1#Geology</a>
Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 501	Introduction to Hazards and Disasters	Provides a basic overview of the various types of natural, human-induced and industrial hazards and their potential for causing disasters. The purpose is to familiarize students with the basic concepts of hazards, disasters and vulnerability. Contents: Natural hazards, Human-induced hazards, Industrial hazards, Distinction between hazard and disaster, Hazard vulnerability. 2 credits.	<a href="http://www.bracuniversity.net/academics/dm/cd.php">http://www.bracuniversity.net/academics/dm/cd.php</a>
Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 502	Fundamentals of Disaster Management	Provides understanding of the general principles of management and their specific applications in the field of disaster management. The objective is to identify and examine the essential and fundamental elements of disaster preparedness, response and recovery within an inclusive management policy framework. Contents: General principles of management, Conceptual framework of disaster management, Basic concepts of preparedness, rescue, relief, rehabilitation and reconstruction, Inclusive approach to disaster management. 2 credits.	

Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 503	Organizational and Policy Context of Disaster Management	Reviews the roles of different actors such as the government, non-governmental organizations (NGOs) and international funding agencies involved in disaster management. The purpose is to provide understanding of the organizational framework for defining policy and practice in this field. Contents: Role of the government, Role of NGOs, Role of international funding agencies, Cross-sectoral linkages, Policy formulation, Program and project implementation. 2 credits.	
Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 504	Research and Analytical Methods	Introduces the basic elements, processes and techniques of research utilized for description and analysis with special reference to disaster management. The aim is to develop research skills that can be applied in subsequent practice, independent study projects and dissertation writing. Contents: Research typologies, Basic statistical and sampling techniques, Survey techniques, Qualitative and quantitative research, Data analysis, PRA methods. 2 credits.	
Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 601	Disaster Response and Recovery Strategies	Provides knowledge on immediate and long-term aspects of management of the post-impact phase of a disaster. The aim is to generate understanding of specific actions that should be taken during the post-impact stage of a disaster to facilitate its effective management. Contents: Post-impact phase, Immediate rescue and relief needs, Long-term recovery, rehabilitation and reconstruction, Post-disaster trauma management. 3 credits.	

Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 602	Disaster Preparedness and Vulnerability Reduction	Gives an overview of the range of strategies for preparedness in the pre-impact stage in disaster-prone areas and correspondingly reducing vulnerability of communities. The purpose is to instill awareness of the importance of disaster preparedness for damage prevention and vulnerability reduction, and associated risk reduction strategies such as insurance. Contents: Disaster preparedness planning, Specifications of preparedness requirements, Risk management strategies, Preventive and/or mitigating actions, Risk insurance. 3 credits.	
Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 603	Assessment of Risk, Vulnerability and Capacity	Provides knowledge on methods of risk identification and hazard analysis and the development of disaster management capacity of a community or region. The objective is to develop skills to assess the risk associated with a variety of scenarios and resultant vulnerability. Contents: Risk identification, Risk perception, Hazard analysis and mapping, Vulnerability assessment. 3 credits.	
Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 604	Independent Study in Disaster Management I	This course is compulsory in Semester 01 of the diploma program. After mid-term examinations, each student will present a proposal for an independent study project in a subject area of disaster management and approved by relevant faculty. Students will utilize their knowledge gained from the various course deliberations at this program, supplemented by previous experience (if any) and future career and academic interests of the student. The study will be carried out independently outside class and supported by personal tutorials with faculty. Assessment will be based on an end of semester seminar	

						presentation and written paper. 3 credits.	
Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 605	Independent Study in Disaster Management II	<p>This course is compulsory in Semester 02 of the diploma program. After mid-term examinations, each student will present a proposal for an independent study project in a subject area of disaster management and approved by relevant faculty. Students will utilize their knowledge gained from the various course deliberations at this program, supplemented by previous experience (if any) and future career and academic interests of the student. The study will be carried out independently outside class and supported by personal tutorials with faculty. Assessment will be based on an end of semester seminar presentation and written paper. This study should build upon the previous independent study undertaken (DMG 604) at the certificate level and should therefore be more in-depth and reflect increased complexity of knowledge. 3 credits.</p>	

Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 607	Riverine Disaster Management	Provides detailed knowledge on the effects of riverine disasters such as floods and riverbank erosion, and organizational and local efforts to manage them, with emphasis on the Bangladeshi context. The purpose is to develop knowledge and understanding of these widespread and serious hazards in Bangladesh, with a view towards developing expertise in their management. Contents: Causes and effects of riverine disasters, Distinction between floods, flooding and riverbank erosion, Indigenous coping mechanisms, Organizational initiatives, Structural and non-structural vulnerability reduction methods. 3 credits.	
Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 608	Cyclone and Tornado Preparedness and Rehabilitation	Provides detailed knowledge on the effects and management aspects of cyclones and tornadoes including preparedness measures such as forecasting, warning and shelter provision and post-cyclone/tornado organizational relief and rehabilitation. The purpose is to develop knowledge and understanding of this frequent and serious hazard in Bangladesh, with a view towards developing expertise in its management. Causes and effects of cyclones and tornadoes, Preparedness, forecasting and warning mechanisms, Post-cyclone/tornado rehabilitation, Structural and non-structural vulnerability reduction methods. 3 credits.	

Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 609	Earthquake Vulnerability Reduction	Provides knowledge on the causes and effects of earthquakes and understanding of strategies for reducing potential damage and loss of life due to this destructive hazard. The objective is to extend skills and know-how to be able to contribute to the development of organized approaches for earthquake vulnerability reduction. Contents: Vulnerability and risk assessment, Preparedness and awareness building, Rehabilitation issues, Structural and non-structural vulnerability reduction methods. 3 credits.	
Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 610	Community Based Approaches to Disaster Management	Provides an overview of approaches for facilitating communities to develop disaster preparedness and recovery plans. The objective is to develop appreciation of the importance of the role of the community in managing disasters that it faces and the function of organizations in facilitating this management.	
Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 611	GIS and Remote Sensing Techniques in Disaster Management	Imparts knowledge on the basic concepts of Geographical Information Systems (GIS) and Remote Sensing Techniques and their potential for application in disaster management. Objective is to instill understanding of the basic GIS models and operations, and the potential and usefulness of GIS and remote sensing to support decision-making about the spatial dimension of disaster management.	

Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 612	Building Design and Construction in Disaster-Prone Areas	Provides knowledge on methods of building safer buildings in disaster-prone areas, construction of disaster shelters and provision of post-disaster emergency housing. The purpose is to develop awareness of the key aspects of building design and construction that can contribute to creation of hazard-resistant habitats before, during and after disasters. Contents: Building-for-safety, Retrofitting, Disaster shelters, Emergency housing, Building codes. 3 credits.	
Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 613	Urbanization and Disasters	Provides knowledge on rapid urbanization in developing countries and the management of urban disasters. The aim is to create understanding of the link between uncontrolled urban growth and its potential for resulting in disasters and strategies to manage such disasters. Contents: Rapid urbanization, Urban bias in development, Planning regulations, Urban services and infrastructure, Urban disaster management. 3 credits.	
Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 614	Risk Communication, Training and Public Awareness	Provides an overview of the different methods for communicating disaster risk and preparedness measures and building public awareness, of which training programs is an essential part. The objective is to enable students to gain the necessary knowledge and skills to develop their own disaster risk and vulnerability reduction training and public awareness programs and/or to contribute to such programs.	

Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 615	Gender Issues in Disaster Management	Provides knowledge and understanding about the importance of addressing gender issues and incorporating appropriate gender-sensitive measures in disaster management programs. The objective is to sensitize students about the need to approach disaster risk reduction from a gender-disaggregated perspective, and to provide them with tools to address the issue in disaster response and preparedness activities. Contents: Women's status, Gender-based vulnerability and capacity, Gender-oriented special needs in disaster situations, Development of gender-sensitive disaster management programs. 3 credits.	
Bangladesh	Brac University	Postgraduate Programs in Disaster Management		DMG 616	Disaster Risk Reduction and Development Planning	Provides knowledge to appreciate the need for integrating disaster risk reduction aspects in development policy, planning and implementation. The purpose is to equip students with the skills to identify the linkages between disasters and development, and understand the formulation and application of appropriate development planning policies integrating disaster risk reduction. Methods for advocacy of this integrated approach forms an important constituent.	
BANGLADESH	Jahangirnagar University Department of Environmental Sciences Mathematical And Physical Science Faculty	BsC Environmental Science		Env.-420	Environmental Hazards and Disaster Management in Bangladesh: Regional and Global Perspectives		<a href="http://www.juniv.edu/environmentalsci.htm">http://www.juniv.edu/environmentalsci.htm</a>

Costa Rica	University for Peace Masters Programme	MA in Natural Resources and Sustainable Development		ESP 6070	Disaster risk reduction at the local level	The course purpose is to equip student practitioners in environment, peace and security with enhanced knowledge, skills, resources and technical abilities in disaster risk reduction and human health resilience. It will therefore provide the tools either to prevent such disasters, to mitigate their impacts or to resolve conflicts between different social groups that occur as a result of disasters.	
THAILAND	Asian Institute of Technology School of Environment, Resources and Development	Disaster Preparedness, Mitigation and Management (DPMM) Program		IN84.01	Managing for Disasters	One of the ideal objectives of this course and is for disaster managers eventually to work themselves out of their job. The ultimate success of disaster management would be the elimination of the underlying causes of disasters which would contribute to disaster prevention. Obviously, total prevention will not be feasible, but minimizing the people's vulnerability to disaster and responding to emergencies in positive ways will make an enormous impact on the current deadly state of disaster events.	<a href="http://dpmm.ait.ac.th/">http://dpmm.ait.ac.th/</a>
THAILAND	Asian Institute of Technology School of Environment, Resources and Development	Disaster Preparedness, Mitigation and Management (DPMM) Program		IN84.11	Mitigation of Earth Disasters	The course provides the essential knowledge on the natures and evaluations of each earthquakes impact including ground shaking, earthquake-induced landslide, liquefaction and tsunami. Consequently, the course introduces the measures, emergency response and recovery plans, strategies for protection and loss estimation and risk and vulnerability analysis against these disasters.	

THAILAND	Asian Institute of Technology School of Environment, Resources and Development	Disaster Preparedness, Mitigation and Management (DPMM) Program		IN84.12	Floods and Droughts	Introduction to floods and droughts; hydrology of floods and droughts, forecasting and warning system; impacts and assessment; floods and mitigation; droughts and mitigation; and risk management	
THAILAND	Asian Institute of Technology School of Environment, Resources and Development	Disaster Preparedness, Mitigation and Management (DPMM) Program		IN84.13	Geo Risk Engineering	The purpose of this course is to educate students so that they are able to understand the principles and reasons of geological risks. They will be educated to identify and quantify the georisk and, the engineering precautions to avoid or prevent the hazards and mitigate impacts resulting from such risks.	
THAILAND	Asian Institute of Technology School of Environment, Resources and Development	Disaster Preparedness, Mitigation and Management (DPMM) Program		IN84.14	tsunami Science Preparedness	Mechanics of Tsunami Generation – initial wave formation; Propagation of Tsunami Wave from Deep to Near-shore Area; Tsunami Approaching Shoreline and its Interaction with Shoreline including Run-up; Tsunami Warning System and Instrumentation – human response; Preparedness and Mitigation – Planning and Public Awareness.	
THAILAND	Asian Institute of Technology School of Environment, Resources and Development	Disaster Preparedness, Mitigation and Management (DPMM) Program		IN84.15	Energy Technologies for Disaster Warning and Management		

THAILAND	Asian Institute of Technology School of Environment, Resources and Development	Disaster Preparedness, Mitigation and Management (DPMM) Program		IN84.21	Remote Sensing and GIS for Disaster Mitigation	This course build up confidence in students by providing advanced methodologies of Remote Sensing and Geographic Information System, followed by steps from introduction to sensor design and development, geo-spatial data acquisition, digital image processing, feature extraction and change detection, geo-spatial data management and updating, spatial analysis and visualization, and the examples of different disaster monitoring and management.	
AUSTRALIA	Swimburne University of Technology Post Graduate Program	Graduate Diploma in Emergency and Disaster Management	This has been developed to meet the training needs of the strategic planners in emergency services, industry and communities. It will build upon the framework established in the Graduate Certificate in Emergency and Disaster Management and will develop depths of knowledge and planning skills in specific areas such as logistics, evacuation and the review of emergencies and disasters.	SEDM01 SEDM02 SEDM03 SEDM04 SEDM05	Introduction to Emergency and Disaster Management Emergency and Disaster Risk Management Process Consequences of the Impact of Hazards Working with Communities Emergency and Disaster Management Research Project		<a href="http://courses.swinburne.edu.au/Courses/ViewCourseInternational.aspx?id=19546#aboutthecourse">http://courses.swinburne.edu.au/Courses/ViewCourseInternational.aspx?id=19546#aboutthecourse</a>
CANADA	York University School of Administrative Studies	Master of Arts in Disaster & Emergency Management	This course is designed to enhance the qualifications of current emergency management and professionals or to prepare those wishing to pursue a career in this field with the necessary knowledge and skills.	GS/DEMS 5010	Advanced Disaster and Emergency Management	Examines and explores the applications of advanced methods and technologies in disaster and emergency management. Students will study disaster and emergency management decision and planning methods and models, decision support systems, information systems and disaster databases, geographic information systems, remote sensing, various disaster and emergency management software and their applications.	<a href="http://www.yorku.ca/akevents/academic/SAS/EM/master/courses/courses.html">http://www.yorku.ca/akevents/academic/SAS/EM/master/courses/courses.html</a>

CANADA	Canadian Mennonite University	B.A., 4-year, B.A., 3-year, major in Social Science, concentration in Disaster Recovery Studies. (program will begin by September, 2008)	The goal of the program in Disaster Recovery Studies is to help students understand the nature of disasters, their aftermath and the best ways to help people and communities recover physically, psychologically, socially and spiritually.	DRS-2000	Disaster, Vulnerability and Recovery	This course will introduce students to the entire field of disaster studies, covering such topics as: the study of the nature and types of disasters; social vulnerability and disasters; individual and organizational/community responses to catastrophic events; and phases of organized responses to disasters.	<a href="http://www.cmu.ca/programs/socialscience.html#drs">http://www.cmu.ca/programs/socialscience.html#drs</a>
				DRS-2010	Disaster Recovery Practice	This course studies the psychosocial and environmental dimensions of disaster response and recovery, including the dynamics of social vulnerability, physical infrastructure and environmental factors, individual-focused and organizational/community response and recovery strategies, and program/project analysis and management.	
				DRS-3000	Case Studies in Disaster Recovery	It will involve focused study and analysis of case studies in disaster response and recovery, and function as a de-briefing seminar to the practicum.	
CANADA	Brandon University Faculty of Arts	Applied Disaster & Emergency Studies - BSc or BA	This program introduces students to a broad range of technological and environmental risks with an emphasis on how social and physical factors interact in disasters.	40:15140:15240:251	Introduction to Disaster Studies Introduction to Emergency Management Hazards : Causes and Physical Dynamics	This course will introduce students to the basic models, theories, and concepts that underlie modern emergency management's understanding of hazards and disasters. This course will provide students with a broad introduction to the current practices of emergency management and the theories that they are based on. Through a review of the causes of geophysical, biological, hydro-meteorological, and technological hazards and disasters, this course will examine the complex interaction of dynamic processes and of life support systems.	<a href="http://discover.brandonu.ca/NewHandbook/ades.asp">http://discover.brandonu.ca/NewHandbook/ades.asp</a> <a href="http://calendar.brandonu.ca:8080/servlet/calendar?book=ugrad2006&amp;key=84176&amp;full=">http://calendar.brandonu.ca:8080/servlet/calendar?book=ugrad2006&amp;key=84176&amp;full=</a>

				40:252	Emergency Planning and Management	A study of the principles of emergency management and planning relative to a variety of natural hazards and the disasters they cause and of the understanding of associated functions and interactions of levels of government in preparing and implementing plans.	
				40:253	Hazards and Risk Assessment	This course is about identifying the risks of hazards and assessing the human vulnerabilities.	
				40:255	Disaster Mitigation	This course provides the knowledge to identify and describe the physical environment and its elements that include facilities and critical infrastructure.	
				40:273	Sociology of Disaster	This course examines the theoretical perspectives, research, and policy issues in the sociological study of disaster with an interdisciplinary approach.	
				40:362	Disaster Response Management	This course focuses on the theory and practice of how organizations manage their responses to emergencies and disasters.	
				40:399	Directed Studies in Applied Disaster and Emergency Studies	This course provides a program of directed study in an area of applied disaster and emergency studies selected in consultation with the department and conducted under the supervision of a faculty member.	
				40:448	Disaster and Emergency Practicum	The purpose of this course is to provide practical emergency management experience in a supervised professional setting that is geared towards the integration of theory and practice.	
				40:451	Disaster Modelling	This course introduces students to various methods used in modelling natural disasters. These methods focus on theoretical and practical relationships of major natural hazards to the built environment and people.	

				40:452	Disaster and Development	The theories of economic development and growth are examined in the context of risk and disasters. Relationships between poverty, vulnerability and disasters are assessed.	
				40:499	Directed Readings in Applied Disaster and Emergency Studies	This course is designed to enable a student to acquaint him/herself more fully with a sub-field of Applied Disaster and Emergency Studies knowledge by means of a series of readings in the subfield concerned.	