

Database of
Web-based Training Opportunities

Title	Type	Dates (reg. deadline)	Duration	Language	Organizers	Co-Organizers	Certificate issued	Topics	Target Audience	Requirements	Tuition fee – financial support	Link	Additional information
Hazus-MH Overview and Installation	Web-based training/ E-Learning course	N/A	1module (3 hours)	English	ESRI	N/A	N/A	This course provides an overview of the capabilities of Hazus-MH, FEMA's loss-estimation tool for earthquake, flood, and hurricane wind hazards..	New Hazus-MH users. Organizations or individuals involved with planning how to reduce the losses of life and property that can be caused by flood, earthquake, and hurricane wind hazards.		free	http://training.esri.com/gateway/index.cfm?fa=catalog.webCourseDetail&CourseID=2057	To complete course exercises, you need the following software: ArcGIS Desktop (Only one product in this category is required.) ArcEditor 9.3.1 ArcInfo 9.3.1 ArcView 9.3.1 ArcGIS Spatial Analyst 9.3.1 Hazus-MH MR5
Introduction to Using Hazus-MH for Hurricane Loss Estimation	Web-based training/ E-Learning course	N/A	1module (3 hours)	English	ESRI	N/A	N/A	This course teaches how Hazus-MH can be used to generate building damage estimates, shelter needs, and economic impacts from hurricane wind events. In the course exercises, you will explore hurricane scenarios and review their social and economic impacts.	Hazus-MH users who want to generate an estimation of social and economic impacts that might be sustained as a result of a hurricane hazard. Community planners, emergency managers, decision makers, academics, and any other person or organization involved with aspects of managing the risks to communities from hurricane events who needs to understand how Hazus-MH can help mitigate those risks.	Completion of Hazus-MH Overview and Installation or equivalent knowledge is required.	USD 32	http://training.esri.com/gateway/index.cfm?fa=catalog.webCourseDetail&courseid=2060	To complete course exercises, you need the following software: ArcGIS Desktop (Only one product in this category is required.) ArcEditor 9.3.1 ArcInfo 9.3.1 ArcView 9.3.1 Hazus-MH MR5
Introduction to Using Hazus-MH for Earthquake Loss Estimation	Web-based training/ E-Learning course	N/A	1module (3 hours)	English	ESRI	N/A	N/A	In course exercises, you will explore earthquake scenarios and review their social and economic impacts..	Hazus-MH users who want to generate an estimation of social and economic impacts that might be sustained as a result of an earthquake. Community planners, emergency managers, decision makers, academics, and any other person or organization involved with managing the risks to communities from earthquakes who needs to understand how Hazus-MH can be used to help mitigate those risks.	Completion of Hazus-MH Overview and Installation or equivalent knowledge is required.	USD 32	http://training.esri.com/gateway/index.cfm?fa=catalog.webCourseDetail&courseid=2061	To complete course exercises, you need the following software: ArcGIS Desktop (Only one product in this category is required.) ArcEditor 9.3.1 ArcInfo 9.3.1 ArcView 9.3.1 Hazus-MH MR5
Introduction to Using Hazus-MH to Assess	Web-based training/ E-Learning	N/A	1module (3 hours)	English	ESRI	N/A	N/A	defining a flood hazard based on a return period, and	Hazus-MH users who want to generate a loss estimation based on a	Completion of Hazus-MH Overview and Installation or equivalent knowledge is	USD 32	http://training.esri.com/gateway	To complete course exercises, you need the following

Losses from a Riverine Flood Hazard	course							defining a flood hazard based on a stream discharge...	flood hazard.	required.		/index.cfm?fa=catalog.webCourseDetail&courseid=2058	software: ArcGIS Desktop (Only one product in this category is required.) ArcEditor 9.3.1 ArcInfo 9.3.1 ArcView 9.3.1 Hazus-MH MR5
Integrating User-Supplied Hazard Data into the Hazus-MH Flood Model (for ArcGIS 9.3.1/Hazus-MH MR5)	Web-based training/ E-Learning course	N/A	1 module (3 hours)	English	ESRI	N/A	N/A	This course teaches how to integrate hazard data created in other modeling applications into Hazus-MH in order to perform a more precise flood loss estimation study than is typically possible in a basic Hazus-MH analysis....	Hazus-MH users who have developed or acquired information about flood hazards in their communities and wish to integrate that data into the Hazus-MH loss-estimation process. Flood engineers or those with equivalent experience will find the course of particular benefit..	Completion of Hazus-MH Overview and Installation and Using Hazus-MH to Assess Losses from a Riverine Flood Hazard or equivalent knowledge is required.	USD 32	http://training.esri.com/gateway/index.cfm?fa=catalog.webCourseDetail&courseid=2058	To complete course exercises, you need the following software: ArcGIS Desktop (Only one product in this category is required.) ArcEditor 9.3.1 ArcInfo 9.3.1 ArcView 9.3.1 ArcGIS Spatial Analyst 9.3.1 Hazus-MH MR5
RECTAS Short Courses	Web-based training/ E-Learning course	See Course List for the period of activation of each course	3 weeks	English	RECTAS (Regional Centre for Training in Aerospace Surveys)	N/A	yes	GIS and Cartography, Spatial databases, Remote sensing data acquisition and images production, remotely sensed images processing, Digital mapping, Photo-grammetry	N/A	Postgraduate diploma or Bachelor's in Geo-information related discipline	USD 150.00	http://www.rectas.org/RECTASshortPublicityBrochure.pdf	N/A
Aim and Scope of Disaster Management	Self-study Web-based training/ E-Learning course	20 hours Enrollment open anytime	N/A	English	University of Wisconsin-Madison, Department of Engineering professional development	N/A	N/A	DM scope and objectives, elements ,Natural/man-made Disasters, Victims, Relief Systems, Phases of Disaster Response/Relief Operations, Government's Role, Refugee Assistance Models, Prevention and Mitigation Tools, Preparedness Tools, Tools of Post-Disaster Management, Mapping, Aerial Photography and Remote Sensing, Information Management, Logistics, Epidemiology	Sudden- and slow onset disaster professionals, government personnel, representatives of private voluntary agencies, and other individuals interested in disaster management.	N/A	USD 200	http://epdweb.engr.wisc.edu/Courses/Self_Study_CourseChoice=M805	Students will earn 20 Professional Development Hours (PDH), 20 AIA Learning Units (LU) and 2 Continuing Education Units (CEU)

Natural Hazards: Causes and Effects	Self-study Web-based training/ E-Learning course	30-hours Enrollment open anytime	N/A	English	University of Wisconsin-Madison, Department of Engineering professional development	N/A	N/A	Classification/phases of Disasters, Effects, Prevention/ Mitigation and Preparedness, Natural disasters, desertification, Deforestation	Designed for people involved in disaster management for natural disasters. It will benefit government personnel, representatives of private voluntary agencies, and other individuals interested in disaster/emergency management.	N/A	USD 230	http://epdweb.engr.wisc.edu/Courses/Self_Study_CourseChoice=M807	Students will learn 30 Prof. Dev. Hours (PDH) and 3 Continuing Education Units (CEU)
Disaster Preparedness	Self-study Web-based training/ E-Learning course	25 hours Enrollment open anytime	N/A	English	University of Wisconsin-Madison, Department of Engineering professional development	N/A	N/A	Policies/prerequisites for Disaster Preparedness Programs, preparedness Plans, Action Plans and Procedures, Issues in Preparedness, Planning, Public Awareness and Warnings	Designed for people involved in disaster management for natural disasters. It will benefit government personnel, representatives of private voluntary agencies, and other individuals interested in disaster/emergency management	N/A	USD 225	http://epdweb.engr.wisc.edu/Courses/Self_Study_CourseChoice=M808	Students will earn 25 Professional Development Hours (PDH) and 2.5 Continuing Education Units (CEU). .
Disaster Response	Self-study Web-based training/ E-Learning course	30 hours Enrollment open anytime	N/A	English	University of Wisconsin-Madison, Department of Engineering professional development	N/A	N/A	Disaster Myths, Response Roles and Responsibilities, Planning, Initial Emergency Operations, Emergency Operations Support, Management, Recovery and Rehabilitation	Designed for people involved in disaster management for natural disasters. It will benefit government personnel, representatives of private voluntary agencies, and other individuals interested in disaster/emergency management	N/A	USD 230	http://epdweb.engr.wisc.edu/Courses/Self_Study_CourseChoice=M810	Students will earn 30 Professional Development Hours (PDH) and 3 Continuing Education Units (CEU).
Disasters and Development	Self-study Web-based training/ E-Learning course	25hours Enrollment open anytime	N/A	English	University of Wisconsin-Madison, Department of Engineering professional development	N/A	N/A	Understanding and exploiting disaster/development linkages, Impact on investment climate, Disasters as opportunities for development initiatives, Sustainable systems through technology, Judging the effectiveness of mitigation packages, Forging the links between disasters and development	Designed for people involved in disaster management for natural disasters. It will benefit government personnel, representatives of private voluntary agencies, and other individuals interested in disaster/emergency management	N/A	USD 225	http://epdweb.engr.wisc.edu/Courses/Self_Study_CourseChoice=M817	By participating in this course, you will earn 25 Professional Development Hours (PDH) and 2.5 Continuing Education Units (CEU)
Disaster Risk Reduction	Self-study Web-based training/ E-Learning course	25 hours Enrollment open anytime	N/A	English	University of Wisconsin-Madison, Department of Engineering professional development	N/A	N/A	Introduction to Disaster Risk Management, Disaster Risk Management and Development, Disaster Risk Identification, Disaster Risk Reduction, Disaster Risk Transfer and	Designed for people involved in disaster management for natural disasters. It will benefit government personnel, representatives of private voluntary agencies, and other individuals interested in disaster/emergency management	N/A	USD 225	http://epdweb.engr.wisc.edu/Courses/Self_Study_CourseChoice=M818	Students will earn 25 Professional Development Hours (PDH) and 2.5 Continuing Education Units (CEU)

								Financing, Capacity Development for Disaster Risk Reduction					
Damage and Needs Assessment	Self-study Web-based training/ E-Learning course	30 hours Enrollment open anytime	N/A	English	University of Wisconsin-Madison, Department of Engineering professional development	N/A	N/A	Objectives of Assessment, Elements of Assessment, Use of Baseline Data, Key to Successful Assessment, Common Problems in Disaster Assessment, Common Approaches to Assessment, Assessment Teams, Survey Methods, Assessment Tools and Techniques, Assessment Planning,	Designed for people involved in disaster management for natural disasters. It will benefit government personnel, representatives of private voluntary agencies, and other individuals interested in disaster/emergency management	N/A	USD 230	http://epdw eb.engr.wisc.edu/Courses/Related_Self_Study_Course.lasso?myRelatedCourse=M809	Students will earn 30 Professional Development Hours (PDH) and 3 Continuing Education Units (CEU)
Environmental Health Management after Natural Disaster	Self-study Web-based training/ E-Learning course	20 hours Enrollment open anytime	N/A	English	University of Wisconsin-Madison, Department of Engineering professional development	N/A	N/A	Damage Caused by Sudden Natural Disasters, Effects on Conditions and Services, Factors in Establishing Priorities and Determining Courses of Action, Timing of Emergency Measures Phase One: Pre-disaster Health Measures Phase Two: Measures Taken During the Disaster and in the Aftermath Phase Three: Rehabilitation Measures	Designed for people involved in disaster management for natural disasters. It will benefit government personnel, representatives of private voluntary agencies, and other individuals interested in disaster/emergency management	N/A	USD 200	http://epdw eb.engr.wisc.edu/Courses/Related_Self_Study_Course.lasso?myRelatedCourse=M811	Students will earn 20 Professional Development Hours (PDH) and 2 Continuing Education Units (CEU)
Health Services Organization in the Event of a Disaster	Self-study Web-based training/ E-Learning course	20 hours Enrollment open anytime	N/A	English	University of Wisconsin-Madison, Department of Engineering professional development	N/A	N/A	Triage and tagging of casualties, Plans for internal and external disasters, Basic services, Security, Drills, Performance audits	Designed for people involved in disaster management for natural disasters. It will benefit government personnel, representatives of private voluntary agencies, and other individuals interested in disaster/emergency management	N/A	USD 200	http://epdw eb.engr.wisc.edu/Courses/Related_Self_Study_Course.lasso?myRelatedCourse=M812	Students will earn 20 Professional Development Hours (PDH) and 2 Continuing Education Units (CEU)
Emergency Health Management	Self-study Web-based training/	25 hours Enrollment	N/A	English	University of Wisconsin-Madison,	N/A	N/A	The Effects of Disaster on Health, Coordination of	Designed for people involved in disaster management for natural	N/A	USD 225	http://epdw eb.engr.wisc.edu/Cou	Students will earn 25 Professional Development Hours

after Natural Disaster	E-Learning course	open anytime			Department of Engineering professional development			National Relief Activities, Management of Mass Casualties, Food and Nutrition, Temporary Settlements and Refugee Camps, Communications and Transport, Management of Health Relief Supplies, Management of International Relief Assistance, Reestablishing Normal Programs	disasters. It will benefit government personnel, representatives of private voluntary agencies, and other individuals interested in disaster/emergency management			rses/Related_Self_Study_Course.lasso?myRelatedCourse=M813	(PDH) and 2.5 Continuing Education Units (CEU)
Epidemiologic Surveillance after Natural Disaster	Self-study Web-based training/ E-Learning course	20 hours Enrollment open anytime	N/A	English	University of Wisconsin-Madison, Department of Engineering professional development	N/A	N/A	Relative Risk of Communicable Disease after Natural versus Manmade Disasters, Exposure of Susceptibles to Endemic Communicable Disease, Special Problems with Communicable Disease in Encamped Populations, Surveillance Sources Following Disaster, Diseases to Include in Surveillance, The Collection, Interpretation and Utilization of Data, Providing Feedback to the Field from the Central Level, Field Investigation of Rumors, Immunization, Chemotherapy, Quarantine and Isolation	Designed for people involved in disaster management for natural disasters. It will benefit government personnel, representatives of private voluntary agencies, and other individuals interested in disaster/emergency management	N/A	USD 200	http://epdweb.engr.wisc.edu/Courses/Related_Self_Study_Course.lasso?myRelatedCourse=M814	Students will earn 20 Professional Development Hours (PDH) and 2 Continuing Education Units (CEU)
UNIGIS International Association Qualifications	Self-study Web-based academic E-Learning programme (Post grad. diploma/ Master's degree programme)	Enrollment open anytime	1/2 years	Various languages	UNIGIS International	N/A	N/A	Geographical and organizational aspects of GIS; theoretical and practical background in the design and implementation of GIS projects.	Individuals aiming at a career in GI or professionals already active in this field	N/A	N/A	http://www.unigis.net/ general information on the curricular	N/A

Hyperspectral Remote Sensing	Web-based training/ E-Learning course	28 Jan 2013 (1 Jan 2013)	6 weeks	English	N/A	N/A	Yes	Spatial-spectral domain remote sensing using rotating template matching, Use of ASTER for mapping	For students, researchers and practitioners in remote sensing with a background or interest in earth and/or life sciences who want to learn the basics and prospective applications of hyperspectral remote sensing. Basic knowledge of remote sensing is desirable.	Applicants for the Distance programme should have a Bachelor degree or equivalent from a recognized university in a discipline related to the course, preferably combined with working experience in a relevant field. TOEFL Paper-based Test (PBT) 550 TOEFL Internet-based Test 79-80 British Council / IELTS 6.0 Cambridge CPE/CAE	EUR 1000 / 500	http://www.itc.nl/Pub/study/Courses/C13-AES-DE-02	The study load is 20 to 24 hours per week. All materials including (most of) the software will be provided online in ITC's digital learning environment Blackboard. For convenient offline study materials will be sent on a CD-Rom. We will use email for individual communication and a discussion board in Blackboard for group communication.
Multi-Hazard Risk Assessment	Distance learning/ E-Learning course	13 May 2013 (13 Apr 2013)	6 weeks	English	Faculty of Geo-Information Science and Earth Observation	N/A	yes	The course will guide participants through the entire process of risk assessment, on the basis of a case study of a city exposed to multiple hazards.	This course is designed for all those who have to carry out risk assessment and require knowledge and skills in using a GIS to handle the necessary the procedures, such as professionals working in governmental and non-governmental organizations, planners, engineers, architects, geographers, environmental specialists and university teachers.	Bachelor degree or equivalent from a recognised university in a discipline related to the course, preferably combined with working experience in a relevant field.	EUR 1000 / 500	http://www.itc.nl/Pub/study/Courses/C13-AES-DE-01	The study load is 20 to 24 hours per week. All materials including (most of) the software will be provided online in ITC's digital learning environment Blackboard. Most materials will be sent on a DVD to enable convenient offline study. We will use email for individual communication and a discussion board in Blackboard for group communication.
Principles of Geographical Information Systems	Distance learning/ E-Learning course	09 Sep 2013 (12 Aug 2013)	7 weeks	English	Faculty of Geo-Information Science and Earth Observation	N/A	yes	basic concepts and operational skills necessary for data entry, data manipulation and analysis, and the production of interpretable output.	The course is designed for those with little or no knowledge of GIS. It is an excellent option for anyone driven by curiosity and wishing to take the first step in becoming a GIS expert, or for anyone driven by the need to explore the capabilities and limitations of current GIS technology in his or her field of application.	Bachelor degree or equivalent from a recognised university in a discipline related to the course, preferably combined with working experience in a relevant field.	EUR 1000 / 500	http://www.itc.nl/Pub/study/Courses/C13-GFM-DE-05	The study load is 20 to 24 hours per week. All materials including (most of) the software will be provided online in ITC's digital learning environment Blackboard. Most materials will be sent on a DVD to enable convenient offline study. We will use email for individual communication and a discussion board in Blackboard for group communication.
Geostatistics	Distance	21 Jan 2013	6 weeks	English	Faculty of	N/A	yes	Geostatistics and	This course is aimed at	Bachelor degree or	EUR 1000 /	http://www	The study load is 20

and Open-Source Statistical Computing	learning/ E-Learning course	(01 Jan 2013)			Geo-Information Science and Earth Observation			Open-Source Statistical Computing	postgraduate students and working professionals who wish to apply spatial statistics and geostatistical computing in research and consulting projects.	equivalent from a recognised university in a discipline related to the course, preferably combined with working experience in a relevant field.	500	.itc.nl/Publication/Courses/C13-GFM-DE-01	to 24 hours per week. All materials including (most of) the software will be provided online in ITC's digital learning environment Blackboard. Most materials will be sent on a DVD to enable convenient offline study. We will use email for individual communication and a discussion board in Blackboard for group communication.
GIS Data Quality	Distance learning/ E-Learning course	11 Mar 2013 (11 Feb 2013)	6 weeks	English	Faculty of Geo-Information Science and Earth Observation	N/A	yes	This course aims to cover the basic principles of spatial data quality.	The course is useful to novices in the realm of remote sensing, as well as to those experienced in some aspects but lacking a complete overview of the state of the art and/or the conceptual foundation.	Bachelor degree or equivalent from a recognised university in a discipline related to the course, preferably combined with working experience in a relevant field.	EUR 1000 / 500	http://www.itc.nl/Publication/Courses/C13-GFM-DE-02	The study load is 20 to 24 hours per week. All materials including (most of) the software will be provided online in ITC's digital learning environment Blackboard. Most materials will be sent on a DVD to enable convenient offline study. We will use email for individual communication and a discussion board in Blackboard for group communication.