



FEMA



Getting the Most from Hazus-MH

Excellence doesn't happen overnight, but FEMA's training courses will equip you with tools to deliver a knowledgeable plan of action back to your community.

Classroom Style Training for Hazus-MH

3½ day Hazus resident training classes are offered at FEMA's Emergency Management Institute (EMI) in Emmitsburg, MD. Enrollment for Hazus courses at EMI is free for federal, state, and local community officials. Complimentary housing considerations can be made for state and local community officials. Contact your State Training Officer to see if you qualify. Course participants are responsible for the cost of meals at approx. \$20/day.



Hazus-MH Training at EMI in 2012

| Course # | Course Title | Dates |
|----------|---|--|
| E170 | Hazus-MH for Hurricane | January 9-12, 2012 |
| E172 | Hazus-MH for Flood | July 16-19, 2012 |
| E176 | Hazus-MH for Floodplain Managers | April 23-26, 2012 |
| E179 | Application of Hazus-MH for Disaster Operations | February 13-16, 2012 |
| E190 | ArcGIS for Emergency Managers | April 30 - May 3, 2012 |
| E296 | Application of Hazus-MH for Risk Assessment | January 16-19, 2012 September 17-20, 2012 |
| E313 | Basic Hazus-MH | April 2-5, 2012 August 20-23, 2012 |
| E317 | Comprehensive Data Management for Hazus-MH | June 18-21, 2012 |

For a full listing of course descriptions, prerequisites, enrollment information and fees visit www.training.fema.gov/EMI. For more information contact Phillip Moore at phillip.moore@dhs.gov.

Become a Hazus Expert!

EMI has developed a curriculum track of courses leading to a certificate as a Hazus Trained Professional or Hazus Practitioner.

Hazus Trained Professional Track:

Provides a foundation of basic Hazus skills plus focused instruction on at least one hazard.

- E190 ArcGIS for Emergency Managers (prior GIS experience may substitute)
- E313 Basic Hazus-MH
- E317 Comprehensive Data Management for Hazus-MH
- Minimum of ONE of the following: E170 Hazus-MH for Hurricane; E172 Hazus-MH for Flood; or E174 Hazus-MH for Earthquake



Hazus Practitioner Track: Expands upon the Hazus Trained Professional track by incorporating specialized instruction in topic specific areas.

- E190 ArcGIS for Emergency Managers (prior GIS experience may substitute)
- E296 Application of Hazus-MH for Risk Assessment or E179 Application of Hazus for Disaster Operations
- E313 Basic Hazus-MH
- E317 Comprehensive Data Management for Hazus-MH
- Minimum of ONE of the following: E170 Hazus-MH for Hurricane; E172 Hazus-MH for Flood; or E174 Hazus-MH for Earthquake



Trained Professionals and Practitioners will receive a certificate, lapel pin, and a listing on FEMA's website upon completion on their respective curriculum track. Get started today!

RiskMAP

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January 2012

Virtual Training

FEMA, with the support of ESRI, offers eight web-based training courses that allow you master Hazus on your own timeline. To learn more about these courses and to enroll, visit www.esri.com/hazustraining.

| Virtual Campus Training Courses | Cost |
|---|------|
| Hazus-MH Overview and Installation | Free |
| Introduction to the Hazus-MH Comprehensive Data Management System | \$32 |
| Integrating User-Supplied Hazard Data into the Hazus-MH Flood Model | \$32 |
| Hazus-MH Flood Model Output and Applications | \$32 |
| Introduction to Using Hazus-MH to Assess Losses from a Riverine Flood Hazard System | \$32 |
| Introduction to Using Hazus-MH for Hurricane Loss Estimation | \$32 |
| Introduction to Using Hazus-MH for Earthquake Loss Estimation | \$32 |
| Hazus-MH for Decision Makers | Free |

Five Classrooms and Four Time Zones Combined for the Inaugural Virtual Basic Hazus Training Course

Over 100 individuals participated in a Basic Hazus-MH training class conducted for users from a variety of different organizations. Not that unusual unless you consider that the participants were located in five classrooms spread across four time zones. This logistical phenomenon is an entry way for more Hazus training courses to be held in the years to come.

The secret to success for this course was the integration of traditional classroom techniques with virtual distance learning technologies. Technologies used during the



course included Adobe Connect, which handled the broadcasting of live camera images as well as presentation materials, and Skype, which was used for audio communication. The

course material was delivered by lead instructor, Kevin

Mickey, from his site location at the University of Kentucky in Lexington. It was simultaneously broadcast to four satellite course locations in Bothell, WA; Long Beach, MS; Columbia, SC; and Baltimore, MD. Following the lectures, students at each location completed hands-on exercises with the support of one or more adjunct instructors who were able to provide one-on-one support as needed. The adjunct instructors included Nick Delmedico (Bothell, WA), Gene Longenecker (Long Beach, MS), Melissa Berry and Moses Wilkins (Columbia, SC), and Adam Campbell (Baltimore, MD).

In order to account for the multiple time zones, the primary course instruction occurred from 10:00 am to 5:30 pm on the east coast and from 7:00 am to 2:30 pm on the west coast. While some might consider these unusual class times to be impractical, the course

facilitators turned a potential inconvenience into an opportunity.

This was accomplished by offering one to two hour presentations, strategic planning sessions, etc. before or



after the core class material had been covered each day.

These events were customized to the needs of each location. For example, the participants in Kentucky were offered an overview of ArcGIS on the first day and an overview of the Comprehensive Data Management System on the second day. On the final day they conducted a lively strategic discussion about how to apply the information learned during class in the State of Kentucky.

The course design offered the instructor team the opportunity to share their experiences working with Hazus. Each day, approximately thirty minutes were set aside for one of the adjunct instructors to talk about their use of Hazus in project work.

For more information about this story and more, please visit www.fema.gov/plan/prevent/hazus/.

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