

HAZUS TRAINING

L313 Basic-HAZUS Multi-Hazards Course

Offered by Kansas Division of Emergency Management,
Heartland HAZUS User Group (HHUG) and FEMA Region 7



FEMA

August 17-20, 2009

The Eisenhower Training Center – Kansas Adjutant General's Department
2800 SW Topeka Blvd
Topeka, KS 66611

(Start time: Monday at 10 a.m., Tuesday 8:30 a.m.; End time: Thursday at 4:30 p.m. CST)

Course Description:

This course will provide students with an understanding of the multi-hazard applications of Hazards U.S. Multi-Hazard (HAZUS-MH) toward mitigation, response, recovery, and risk management for earthquake, flood and hurricane hazards.

During the first part of the course, students are led through an introduction to HAZUS-MH, the process of software installation, definition of a geographic area of interest, and an overview of the components of the HAZUS-MH user interface. They are then provided with a combination of lectures and hands-on exercises that help them understand how HAZUS-MH can be used to define and analyze a hazard and the types of information that HAZUS-MH can produce. The course focuses on a level 1 analysis which makes it possible to perform a complete hazard analysis with minimal to no additional input of data beyond what is installed with the application. It also prepares students who are interested in integrating their own data into the HAZUS-MH analysis process with the foundation of skills that are necessary to successfully complete the advanced HAZUS-MH courses where those techniques are taught.

The second and third days of the course are each focused on a single hazard. The second day of the course addresses the HAZUS-MH Flood model which allows users to determine flood depths, estimate damages and losses, and define floods of varying magnitudes. It also addresses debris generation and shelter requirements and can estimate direct losses based on physical damage to structures, contents, and building interiors. The flood model addresses both riverine and coastal flooding, but this course will focus entirely on riverine flooding given the anticipated audience.

The third day of the course will address the HAZUS-MH earthquake model. The Earthquake model uses mathematical formulas and information about building stock, local geology and the location and size of potential earthquakes, economic data, and other information to estimate losses from a potential earthquake. The HAZUS-MH earthquake module maps and displays ground shaking, the pattern of building damage, and demographic information about a community.

The fourth day of the course will address hurricane impacts, introduction to the Comprehensive Data Management System tool, and additional uses of the datasets.

Who Should Attend:

FEMA, state and local government employees involved with or interested in planning for emergencies associated with flooding, earthquake or hurricane events. This includes, researchers, insurance and utility companies.

Maximum: 30 students.

To receive course credit from the Emergency Management Training Institute, the General Admissions Application (75-5) form will be completed the first-day of class.

To enroll, please follow the link below:

<https://ks.train.org/DesktopModules/eLearning/CourseDetails/CourseDetailsForm.aspx?tabid=96&courseid=101845>
[7](#)

- If you have never used the ks.train website before you will need to register at <https://ks.train.org>
- If you have any problems with the ks.train.org site, please contact one of the people listed below.

Prerequisites:

A basic familiarity with ArcGIS, and an understanding of basic concepts related to emergency management is helpful.

Recommended:

ESRI online GIS tutorial and Introduction to ArcView 9.X.

For More Information or Course Questions Contact:

Sue Evers, Course Manager at (816) 283–7005, or Rodney Odom at (816) 283–7965, or class trainers: Michael Eddings at (620) 794-6203 and Shanna Michael at (816) 502-9420 ext 4970.