



## FEMA E-74 Reducing Non-Structural Damages from Earthquakes

### COURSE DESCRIPTION:

*Nonstructural components of buildings include all elements that are not part of the structural system; that is, the architectural, mechanical, electrical, and plumbing systems, as well as furniture, fixtures, equipment, and other contents. During the recent earthquakes in Chile, New Zealand, Japan, Virginia and other earlier earthquakes in California, Washington, and other parts of the U.S., nonstructural failures have accounted for the majority of damage and injuries. In many cases, businesses, schools, hospitals, and other organizations had to spend excessive time and dollars for cleanup and repair due to nonstructural failures; therefore impeding continued operations and rapid recovery. Moreover, nonstructural component failures also impeded safe evacuation, delayed rescue, and caused additional hazards such as fire resulting in serious life safety issues.*

This FEMA-sponsored 6 hour class describes the sources and types of nonstructural earthquake damage and the effective methods and guidance that individuals and organizations can use to take action now before the next earthquake and minimize future injuries and property losses from nonstructural risks.

### TARGET AUDIENCE:

Building owners, facility managers, local officials, engineers, architects, small businesses, and emergency managers.

### RECOMMENDED PREREQUISITE:

*IS325: Earthquake Basics: Science, Risk, and Mitigation* is a 30 minute independent study course that provides basic information on earthquake, its impacts, and general mitigation techniques. To complete this independent course, visit:

<http://training.fema.gov/EMIWeb/IS/is325.asp>.

### COURSE INFORMATION:

- Time:** 9:00 pm – 3:00 pm CST  
**Date:** Friday, February 8, 2013  
**Instructor:** Mike Griffin, P.E.  
**Location:** Arkansas Department of Emergency Management  
Building 9501  
Camp Joseph T. Robinson  
North Little Rock, Arkansas 72199-9600  
**Contact:** Donald Minster  
Earthquake Program Coordinator  
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(501) 683-6700  
**Materials:** Materials will be provided by FEMA to attendees

*This training is supported by NEHRP National Earthquake Technical Assistance Program (NETAP). For more information visit: <http://www.fema.gov/national-earthquake-hazards-reduction-program/national-earthquake-technical-assistance-program>*

