



# FEMA



## FEMA E-74, *Reducing the Risks of Nonstructural Earthquake Damage*

### TRAINING 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 clean-up 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 training 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

The target audience for this training includes property owners, facility managers, local officials, engineers, architects, small businesses, and emergency managers.

### RECOMMENDED PREREQUISITE

Prior to the training, it is recommended to view a 30-minute independent study training, IS-325, *Earthquake Basics: Science, Risk, and Mitigation*. The IS-325 training provides basic information on earthquakes and general mitigation techniques. The training may be viewed at the following link:

<http://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=is-325>

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



## **GENERAL INFORMATION**

**Time:** 8:00 am – 3:00 pm

**Date:** May 17, 2019

**Location:** Hometown Health, 10315 Professional Circle, Reno NV 89521

**Instructor:** Mike Griffin, P.E., CCS Group, Inc

**Materials:** FEMA E-74 report, *Reducing the Risks of Nonstructural Earthquake Damage* in pdf (electronic format) on CD. This report can also be downloaded from the following link:  
<https://www.fema.gov/media-library/assets/documents/21405?id=4626>

## **REGISTRATION**

To register for these trainings, please complete the **DEM Course Registration Form** located under the DEM Training heading at the following link [http://dem.nv.gov/training/Training\\_Home/](http://dem.nv.gov/training/Training_Home/). For questions or additional information, please contact Janell Woodward at [jwoodward@dps.state.nv.us](mailto:jwoodward@dps.state.nv.us).