



ATC 20 Post Earthquake Safety Evaluation of Buildings

February 15, 2007
Memphis, TN



Presented by
**Central United States
Earthquake Consortium**

Instructed by
Chris L. Mullen, P. E.

Post Earthquake Safety Evaluation of Buildings will be conducted at the:

University of Memphis
Memphis, TN
February 15, 2007

About This Course

When earthquake disaster strikes a community, there is an immediate need for damage inspections throughout the affected areas. People need to be kept from using unsafe buildings, and safe shelter must be provided for those left homeless. It is essential that qualified building inspectors quickly identify structures that are safe for re-entry and those that must be avoided. Regular building inspection officials may become overloaded instantly and require additional help.

Under such emergency conditions, qualified volunteer inspectors, including architects, engineers, and building inspectors are needed from unaffected regions and certain other qualified design and construction professionals can provide help with the post earthquake safety evaluations. These volunteers will typically be activated through a pre-existing agreement with state and local emergency management officials.

Attendees of this course will receive inspector qualification training, experience to become a team member for inspecting earthquake damaged buildings, and a field manual to guide their future work. A panel of

earthquake and structural experts and building officials has approved all training materials used in this course. During the course, procedures and documents are presented which promote uniformity in the rating of building damages so that different individuals examining the same building will arrive at the same conclusion about its relative safety.

Who Should Attend

Individuals with at least 5 years of experience in general building design, construction, or inspection that are willing to volunteer as state building inspectors after a disaster.

This program is part of the 2007 West Tennessee Earthquake Awareness Week, Feb. 12-16, 2007

Sponsored by:



Organized by:

THE UNIVERSITY OF
MEMPHIS
Center for Earthquake Research
and Information

**Memphis Light,
Gas, & Water**

**West Tennessee Structural
Engineers Association**

Course Outline

This course will be instructed in a classroom style setting, although student interaction is welcomed and encouraged. Some of the topics that will be covered in the course are -

Earthquake 101 Review
Structural Basics
Steel Frame Structures
Concrete Structures
Wood Frame Structures
Masonry Structures
Non-Structural Hazards
FEMA 154: Rapid Visual Screening
ATC20: Post-Earthquake Safety
Evaluation of Structures
Hazardous Materials & Field Safety
Discussion / Questions

Certificates of completion will be offered at the end of the course. Professional Development Hours should be coordinated through your organization.

REGISTRATION FEES

There is no charge for this workshop. Materials are provided and include ATC20-1 Field Manual for Inspectors.

Registration Information

Please pre-register for this course. Participant space is limited, and openings are on a first come, first serve basis. Please complete registration by February 10, 2007.

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CUSEC
ATC-20, Attn. – J. Brumley
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COURSE LOCATION

The University of Memphis
Fed Ex Institute of Technology
365 Innovation Drive
Memphis, TN 38152-3115
Phone: 901-678-5105

COURSE INFORMATION

Course will begin at 8:30 a.m. and end at 4:30 p.m. Onsite lunch will be provided. For directions to the course, please visit-
<http://fedex.memphis.edu/Directions.shtml>

SUGGESTED LOCAL HOTEL

Holiday Inn University of Memphis Area
3700 Central Ave.
Memphis, TN 38111
Phone: 1-800-345-8082
Please call ahead for rates & availability

Registration Form

Type or write your information into the form below

Name	
Title	
Organization	
Address	
City, State Zip	
Phone	
Email	

FOR FURTHER INFORMATION -

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