

## **E0174 Hazus for Earthquake and Tsunami**

### **INSTRUCTOR QUALIFICATIONS**

In addition to having “Hazus Practitioner” certificate or are an existing approved Hazus instructor, all instructors must also be able to facilitate adequate levels of student-instructor interaction, including, but not limited to, covering the classroom emergency procedures, answering students’ questions, facilitating individual and group activities, classroom management to enable an environment that is conducive to learning; respectful and receptive to diverse opinions and experiences, and fosters interaction with other instructors teaching the class, and facilitating capstone projects, as applicable.

Instructors for this course must be knowledgeable in the following areas:

- Geographic Information Systems software (ArcGIS is preferred)
- Experience and knowledge on running Hazus
- An understanding of risk analysis
- Detailed knowledge of earthquake/tsunami science

#### **Documented knowledge and experience in subject area:**

- Received training and have in-depth knowledge and experience in ArcGIS and Hazus.
- Documented teaching and/or training experience in the past 3 years is necessary for this position.
- Expert knowledge of and the ability to teach the Hazus Earthquake Model and the Hazus Tsunami Model.
- Demonstrated knowledge of FEMA activities with regard to emergency management.
- Resume indicating level and extent of responsibility and authority, including two references.
- Ability to explain the key components of the methodology employed in the Hazus Earthquake/Tsunami models for defining the earthquake/tsunami hazards as well as options that users have for refining the earthquake/tsunami hazard definition.
- Ability to identify the key parameters that influence the social and economic impact assessments generated by the earthquake/tsunami models.
- Ability to identify and apply best practices for most effectively using the earthquake/tsunami models to support emergency management.
- Holds the “Hazus Practitioner” certificate or is an identified Hazus expert with equivalent skills.