

< Department>

<University>

<Course No.>

Earthquake Hazard and Emergency Management
<F/S > Semester, <year>

Final Exam

Name _____

- * Read each question carefully before answering.
- * Ask for clarification if you do not understand a question.
- * This exam is closed-book, closed notes.
- * There are 105 possible points (including 5 additional bonus points).
- * Have a nice break.

Answer the following questions completely, but succinctly. Be specific and use details to support your answers. Your grade will be based on the completeness and accuracy of your answers.

1. Suppose after taking this course as an emergency manager, your supervisor requested that you prepare a brief report to be circulated in your department describing the key concepts that you learned in this course. What would you include in the report? (20 pts.)

2. Suppose you are a hazard manager in an earthquake-prone region of the U.S., such as southern California, and you are charged with addressing all issues in your department related to earthquakes. If you were given unlimited resources (this is obviously hypothetical), decide what types of actions you would take and what programs you would develop, etc. (20 pts.).

3. Suppose you were an emergency manager in a community that was highly susceptible to both hurricanes and earthquakes, such as Charleston, SC. How would you decide on what mitigation actions to take and how resources should be prioritized and used? (10 pts.)

4. Suppose you were in an earthquake-prone region where resources were very limited and you were given resources to address only one primary aspect of your job as it relates to earthquake hazards in your region. What activity/program would you focus upon? Explain why. (10 pts.)

5. During the course, we had only limited discussions on planning, although planning relates to most aspects of emergency management. Describe how planning, in general, would be involved with virtually all aspects of your job as an emergency manager. (15 pts.)

6. Describe specific ways in which your job as hazard manager would differ in, addressing earthquake hazards, from working with other rapid-onset hazards, such as hurricanes. (15 pts.)

7. Describe the likely challenges of performing your job as a hazard manager in a community that is susceptible to earthquakes, such as Memphis, TN, but where the risk is not widely recognized because earthquakes are not felt frequently. (10 pts.)

Bonus question:

Suppose you are offered two jobs as an earthquake emergency manager focusing on earthquake hazards, one would be working in the central/eastern U.S. and one in California. Considering only professional reasons, which job would you select? Why? (5 pts.)