

## Earthquake Analysis Paper

In order to gain an appreciation for the facts you've learned in class, you will be required to apply class material to two different earthquakes that have occurred *within the last three months* (December 2004-present). You may use any articles from newspapers, scientific journals, magazines or online periodicals (for ideas on where to find articles online, go to the link: [http://www.mc.maricopa.edu/~vanderhoeven/Journal\\_Links.htm](http://www.mc.maricopa.edu/~vanderhoeven/Journal_Links.htm)).

### **Requirements:**

- 1) One article will be provided. You must find a second article to which you can compare the first. Both **articles must be included with your summary** (attach it to the back of your summary)
- 2) For each article, you are required to do a brief summary describing the article, *in your own words*. Be sure to include who, what, where, and when. This should include the magnitude, the degree of damage/injuries, etc...
- 3) Apply class material to the article by answering the following questions:
  - a. What was the cause of the earthquake? Is it likely to occur again?
  - b. What **factors** contributed to the amount of damage/death (examples: time of day, building construction, depth of focus, etc...)?
  - c. What preventative methods were taken (or what methods *should have* been taken)? How did this contribute to a high or low number of damage/death?
- 4) After completing the above requirements for each article, you will also need to compare two earthquakes (as a separate section).
  - a. How do the magnitudes compare?
  - b. Were the amounts of damage the same or different? Explain why.

### **General Comments:**

- 1) All summaries should be **typed, spell-checked & proof read**.
- 2) If articles don't answer the questions, make logical predications about what are the most likely factors or methods based on the details provided within the article.
- 3) Be sure to *support your claims with evidence from the article*.
- 4) Use multiple articles from the same earthquake to help you gain more details. (You can not use the same earthquake, including aftershocks, for your two articles).
- 5) Anyone found to be cheating or facilitating cheating will be withdrawn failing from this course at the discretion of the instructor.