Instructions for final paper & presentation for Ge161

This paper is worth 25% of the course grade. The related presentation is worth 5% of the course grade. The paper is due at the end of the term: Friday Dec. 8th, 5 p.m. For the presentation, you can use one or two slides, and talk about them during our last class (Thursday Nov. 30) for 2 minutes, plus Q&A about your proposed project.

For your final paper on your study area for Ge161, please cover these topics:

1) Brief introduction on the past & present tectonics of the map area
2) Something about the tectonic history or current tectonics that is not understood based on the existing data you looked at during the term
3) A proposal for additional data that could be collected to answer this research question

You can incorporate figures, calculations, and any text you already wrote about the map area while you were doing the homework. You should already have all these things on the following list. However, you do not need to use them all; just use the ones that are relevant to your proposed work:

- Maps of seismicity, gravity anomalies, magnetic anomalies, crustal age, tectonic features, plate boundaries (revised if necessary from PS 6 or earlier problem sets)
- Earthquake focal mechanism information (revised if necessary from PS 5)
- Triple junction linear velocity diagram (revised if necessary from PS 1)
- Magnetic anomaly profile from your study area (revised if necessary from PS 2)
- Linear velocities of plates in your study area (revised if necessary from PS 3)

You can also use any other figures that illustrate what you are talking about – either figures you make, or figures from other sources, as long as you clearly cite the sources.

Since this is a scientific paper, don’t forget these basic guidelines.

- Figures should have captions.
- Figures should be numbered according to the order in which they are cited.
- There should be a reference list for any references you are quoting in the text.
- Pages should be numbered.
- Each map should have a north arrow and a scale bar, or else latitude and longitude values marked on the sides.

There is no specific length requirement. Try to aim for 4-6 pages of text (double spaced), not including figure captions, figures, or references.

Please ask Joann if you have any further questions about this assignment.