



Instructor: Dave Barbeau, EWS 406, dbarbeau@geol.sc.edu

Lecture: Th 12:30-2 PM, EWS 402

Office hours: by appointment

Textbook: PDFs and other materials distributed electronically

Theme: Geologic Manifestations of Important Tectonic Problems

Summary

This course will provide interested graduate students an opportunity to present, consider and evaluate important plate tectonic problems from a geologic perspective. Whereas presentation of all forms of data (geophysical, geochemical, geological, etc.) are welcome, an emphasis upon the 'geology' of the tectonic problem or region of investigation is required.

Course Outcomes

By the conclusion of this course, successful graduate student participants will have:

- improved their presentation, reasoning, discussion, evaluation and critical thinking skills,
- become familiar with important unresolved problems in plate tectonics,
- expanded their understanding of the modern literature, and
- bolstered their capability of discussing geologic processes and products.

Grading

Grades will be determined by performance on weekly participation (60%), and presentations (40%).

Schedule

The course will be composed of student-led presentations on (1) student thesis & dissertation topics, and (2) other important unresolved problems in plate tectonics. Content and presentation leaders will be determined at each week's class meeting for the following three weeks.