The primary objective of this course is to learn about the origin, structure and evolution of the ocean basins and their margins. Our approach will be interdisciplinary, requiring integration of chemical, physical and biological processes, as well as geologic processes.

The class times will be mostly devoted to lectures and discussion. Please be sure to read the appropriate section in the text before class. Time will be set aside at the beginning of each class to answer questions from previous lectures or readings, and to present any current geologic events.

Grades will be based on class participation (10%) and two mid-term exams (45% each). The second exam will be given during the final exam time, but will cover only the second half of the class. There will be a separate grading system for Graduate students and Undergraduates.

The exams will be approximately one hour long. Make-up exams and incomplete grades will be given only with a written excuse. Full credit for class participation means attending all classes, staying current on the readings, asking good questions, answering questions and participating in class discussions.

Lecture notes and other class information will be posted regularly on Laulima (laulima.hawaii.edu). Please visit Laulima to make sure that you can access it.

This is an Upper Division course with a prerequisite of GG 302 (Igneous and Metamorphic Petrology), or consent of the instructor.
<table>
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<tr>
<th>WEEK #</th>
<th>DATE</th>
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<td>Plate Tectonics</td>
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For Readings, OB = Ocean Basins; suppl = supplementary readings provided on Laulima