Geol 5005 Sec 106
Marine Geology
2do Sem. 2019-2020
Tue. & Thurs. 4:30 PM – 5:20 PM F-303
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Office Hours: T/Th. 1:30 - 4:30 PM, or by appointment

Course Objectives: Examine the structure, stratigraphy and evolution of the ocean basins and adjacent continental margins. Students should leave this course with a thorough understanding of the geology of ocean basins and of the many roles it plays in shaping the surface of our planet. We will discuss the challenges and rewards of oceanographic research. We will explore the origin and history of the ocean basins, the tectonic forces that shape them, and the rocks and minerals that make up the ocean floor. We will study the ocean's control of global and regional climate and how these changes are preserved trough geological processes.

Text: The Sea Floor: An Introduction to Marine Geology
Edition: 4th ed. 2017 Edition
Authors: Eugen Seibold and Wolfgang Berger
ISBN-10: 3319514113
ISBN-13: 978-3319514116
Publishing Company: Springer Textbooks in Earth Sciences, Geography and Environment
Hardcover: 268 pages
Language: English

Other Resources:
1. http://geology.uprm.edu/MorelockSite/morelockonline/index.html
2. Readings from Peer Reviewed Journals will be assigned

Exams: There will be **three (3) partial exams** and **one (1) final examination** in this course. Exams will be mostly based on the lectures. However, discussions in class, laboratories, field trips, and assigned readings from Peer Reviewed Journals are fair game. The final exam will emphasize the themes discussed last in the course *but it may include general (most important) aspects of all the topics covered.*

Class Project: Students will be required to complete an annotated bibliography. The project will account for 5% of the class final grade! The project theme will be on any topic related to Marine Geology. Further instructions below.