MAR 110
NATURAL HAZARDS AND THE OCEAN

SYLLABUS
FALL 2014

Tuesday, Thursday 2:00-3:15 pm
Dion 110

Instructors: Professor: Daniel MacDonald
(dmacdonald@umassd.edu; 508-910-6334; AT&T Suite 325, Fairhaven)

Teaching Assistant: Brandon Green
(bgreen1@umassd.edu)

Office Hours: T/R 11:00-2:00 Dion 108

Course Webpage: http://naturaloceanhazardsmar110.umassd.wikispaces.net/

Course Structure:

- Two Weekly Lectures
  Lecture Outlines on Website

- Regular Reading Assignments

- Grading:

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<th>Grade</th>
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<td>Homework Exercises</td>
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<td>Attendance:</td>
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<td>Quizzes</td>
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<td>Examinations</td>
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<td>Examination I</td>
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<td>Final Examination</td>
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• **References** (with codes that are used to reference the figures in the lecture outlines)

**Required Course Text**

**General Oceanography References**

**General Meteorology Reference**

**General Geology Reference**

**Gulf Stream References**

**Climate Change References**

**Earthquakes Reference**

**Natural Hazards Reference**

**Volcano Reference**

**Ocean Currents Reference**
Expectations:

Goals: The goal for this course is for the student to develop a conceptual understanding of the ocean environment and of natural hazards in the ocean related to geological, meteorological, and physical processes, including tsunamis, hurricanes and other storms, waves, coastal flooding, erosion, and climate change. To reach this goal we will cover many of the general principals of oceanography in class in order to provide a foundation for understanding the conceptual aspects of the natural hazards.

Class: Students will attend class regularly and ask questions freely. Attendance will be taken on a daily basis, and factored into the final grade as detailed above. Excessive and repeated tardiness will also be taken into account.

Homework: The ability to communicate your knowledge effectively is just as important as having the knowledge in the first place. Therefore, make sure that your homework assignments are clearly, neatly, and concisely written in a professional manner. Show your work clearly whenever necessary. Treat your homework assignments as an opportunity to teach us what you have learned.

Homeworks are due in class on the stated due date. Homworks turned in one class period late will still be accepted but will be assessed a penalty. Homeworks turned in a week or more late may be returned without correction and given a grade of zero. Under certain circumstances (including advance request and permission of the Professor or TA) homeworks may be accepted late for full credit.

University Policy on Academic Dishonesty: All students should be aware of the university's policy on academic dishonesty, including plagiarism. This policy appears in both the undergraduate catalogue and the student handbook. Students are encouraged to work together on homework assignments, but the version submitted for grading should be an individual effort. In cases where it is clear that copying has occurred, appropriate penalties will be assessed. Cheating will not be tolerated on exams, quizzes, or the attendance sign in sheets (i.e., signing in for someone who is not present).

Academic Support: Academic support services are available through appropriate offices on main campus. These include services for learning and physically disabled students, which are available through the Disabled Student Services office.