

# Ocean 10: Introduction to Oceanography

## Lecture/Lab, 4 units

Sections 47850 (M Lab, 12:30PM) and 47851 (Tues. Lab 9:20AM)

M-W Lecture 10:55AM – 12:20PM both sections

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Office Hours:

Mon. 8-9AM and 4-5:30 PM

Tues. 12:30-1:15 PM

**Lecture Text:** Garrison, T, *Essentials of Oceanography*, 4<sup>th</sup> edition (enhanced), Brooks Cole, 2006

**Lab Text:** Lopez, R, *Ocean 10 Handbook*: I will have weekly handouts of labs.

**Ocean 10:** This is a four-unit, lecture/lab course in physical oceanography. We will focus primarily of the physical/chemical aspects of the ocean environment: bathymetric charts, seafloor morphology, plate tectonics, seawater chemistry, atmosphere, ocean currents, waves, tides, and coasts. We will have about 5 lectures of life in the sea and how the physical factors influence the distribution of marine life.

**Lab:** Each week I will introduce and handout the lab for the following week (usually during the Wednesday lecture). Each lab will have a pre-lab questionnaire that will cover the text in the lab. This questionnaire is due at the beginning of each lab session.

**Student Attendance Policy and Missed Work (WVC Catalog, p. 182):** Students are expected to attend all sessions of each class. Instructors may drop students from the class when accumulated *unexcused* hours of absences exceed ten percent of the total number of hours the class meets during the semester (3 lectures, 1 lab).

I do allow make-ups for missed Exams, but not for missed quizzes or labs. In other words, **no make-up work on missed labs or quizzes**. Last day to drop the course is November 17.

**Policy on Academic Dishonesty (WVC Catalog, p. 182):** The College's policy on academic dishonesty covers in-class cheating, out-of-class cheating, plagiarism, and furnishing false information. Anyone caught cheating will fail the assignment and have their name reported to the Academic Dean of Students.

**Examinations:** We will have *four lecture exams* (including the final). Each exam will cover material presented in the preceding weeks. No exam is comprehensive. We will have several quizzes both in class and in lecture. I will announce when the quizzes will be given.

### Tentative Points Breakdown:

600 points, 4 Exams

150 points, 10 Quizzes

300 points, 14 Lab Exercises

100 points, Field Trip Report

1150 Total Points

90 – 100 = A

80 – 89 = B

65 – 75 = C

55 – 64 = D; < 55 = F

**Field Trips:**

**Intertidal/Natural Bridges Trip:** This trip is scheduled for low tide on Saturday, November 4 from 2 PM to 5:30 PM. We will travel by carpool and meet at the back gate of Natural Bridges State Park in Santa Cruz. Get more info at [http://instruct.westvalley.edu/lopez/ocean/Nat\\_bridge\\_wrk\\_sht.htm](http://instruct.westvalley.edu/lopez/ocean/Nat_bridge_wrk_sht.htm)

**Santa Cruz Beaches Trip:** This trip will be held during the lab period on the last week of November. We will acquire data on seawater chemistry and beach stability. For both labs, we will meet in the class room and then travel by carpool to Santa Cruz.

**Materials Needed for Lab:**

Pencils  
Colored Pencils  
Calculator  
Protractor  
Ruler (cm/in), 10 scale