

SEMINAR IN GLOBAL ENVIRONMENTAL SCIENCE

OCN 100 (Thursday 12:00 – 1:00 pm, MSB 315)

Fall 2012

Instructor: Jane Schoonmaker, Specialist in Oceanography and GES Chair
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Goals: The primary goals of this seminar are to introduce new GES majors to SOEST faculty expertise, research projects, laboratories and research facilities, and to advertise opportunities for undergraduate participation in research. The class also provides a forum for student interaction and development of rapport between GES faculty and students.

Student Learning Objectives:

- 1) Students will become aware of the breadth of SOEST faculty research interests.
- 2) Students will learn about opportunities for research participation and how they can become involved.

Grades: Grading is based on credit/no-credit. Attendance is **mandatory** and the class starts promptly at 12:00. Please show your respect to the speaker and other students and do not be late. If you have a conflict or are ill and cannot make it to the class, please email me in advance if possible. Arrangements can be made to make up excused absences. **All absences must be made up to receive credit.**

Field Trips: In addition to the sessions scheduled for the normal class meeting time, we will have three field trips: **Sat. Sept. 15 (HIMB Tour)**, **Sat. Sep. 29** (Kilo Moana ship tour), and **Sat. Oct. 13** (Heeia Fishpond Community Work Day). Please see me if you have an unavoidable conflict. There may be additional, optional, field trips later in the semester.

Homework: The class will be split up into 4 groups at the beginning of the semester. Each group will investigate the research projects of a SOEST department or research institute, and select 2 faculty members they would like to invite to talk to the class. Each group will then prepare a 7-8 minute oral presentation (a trailer advertising the faculty presentation) for the class providing background information on the topic we will be hearing about. Oral presentations will be given on Oct. 25. As part of the group preparation for your invited speaker, you should write a series of questions for the speaker. These can be of a general nature, or questions specifically related to the research they present. These questions should be turned in to me along with your oral presentation materials.

The SOEST departments and institutes are listed below:

Department of Oceanography <http://www.soest.hawaii.edu/oceanography/>
Department of Geology and Geophysics <http://www.soest.hawaii.edu/GG/index.html>
Department of Meteorology <http://www.soest.hawaii.edu/MET/index.php>
Department of Ocean and Resource Engineering <http://www.ore.hawaii.edu/>
Hawaii Institute of Marine Biology <http://www.hawaii.edu/HIMB/>
Hawaii Institute of Geophysics and Planetology <http://www.higp.hawaii.edu/>
Hawaii Natural Energy Institute <http://www.hnei.hawaii.edu/>
International Pacific Research Center <http://iprc.soest.hawaii.edu/>

OCN 100, Fall 2012 – preliminary!

Date	Speaker/Activity	Topic/Information
Aug 23	Introduction	Requirements/plan for semester
Aug 30	Work in groups	SOEST Research; choose speakers
Sep 6	Research speaker topics	Meet in Hamilton library, room A156
Sep 13	HIMB research	
Sep 15	HIMB tour	Depart from front of MSB, 8:00 am.
Sep 20	Speaker research	
Sep 27	Karin Bjorkman	HOT Program
Sep 29	Kilo Moana tour	Depart from front of MSB, 8:30 am.
Oct 4	Work in groups	
Oct 11	Danielle Hull	Heeia Fishpond
Oct 13	Heeia Fishpond Work Day	Meet in front of MSB. Depart at 7:45 am.
Oct 18	Feedback and academic planning	
Oct 25	Group presentations	
Nov 1	Gerard Fyer	Tsunami Research
Nov 8	Frank Sansone	Nearshore sediment research
Nov 15	Eric DeCarlo	Coastal Ocean Observing Systems
Nov 22	Holiday	
Nov 29	Ruth Gates	Coral Disease research
Dec 6	Gerard Nihous	OTEC

Sept. 15 – Hawaii Institute of Marine Biology field trip. We will depart MSB at 8:00 am and drive to the HIMB pier on Kaneohe Bay where a shuttle boat will ferry us to the island. We will have a general tour of the research facilities, followed by lunch (provided) and time for a swim/snorkel. Departure time is negotiable, but we usually try to catch either the 1pm or 2pm shuttle back to Oahu, putting us back on campus by 2-3pm.

Sept. 29 – Kilo Moana ship tour. Covered shoes and a photo ID are required. We should be back to campus by noon.

Oct. 13 – Heeia Fishpond work day: depart MSB 7:45 am; return by 1:30 pm. Wear shoes and clothing that can get wet, and be prepared for lots of sun. Lunch will be provided.