

**SEMINAR IN GLOBAL ENVIRONMENTAL SCIENCE**  
**OCN 100 (Thursday 12:00 – 1:00 pm, MSB 315)**  
**Fall 2008**

**Instructor:** **Jane Schoonmaker**, Specialist in Oceanography and GES Chair  
MSB 532; Phone 956-9935; Email: jane@soest.hawaii.edu

**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.
- 3) Students will be able to conduct basic spreadsheet manipulations and graphing of data in Excel.

**Grades:** No letter grade is given in OCN 100. 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 and cannot make it to the class, please see me. **More than 3 absences will result in a no-credit grade.**

**Field Trips:** In addition to the sessions scheduled for the normal class meeting time, we will have three weekend activities: **Sat. Oct. 04** (Kilo Moana ship tour), **Sat. Oct. 25** (Manoa water sampling field trip), and **Sat. Nov. 08** (HIMB tour). Please see me if you have an unavoidable conflict.

**Homework:** Faculty research presentations are indicated by a \* in the syllabus. For each of these talks, you will write a ~1/2 page summary, focusing on something new you learned from the presentation. Homework must be submitted to me via email the day following the talk.

**Preliminary Schedule:**

<b>Date:</b>	<b>Speaker/Activity</b>	<b>Topic/Research Interest/Additional Information</b>
Aug. 28	Introduction	Requirements, fieldtrips, etc.
Sept.04	Amanda Vinson	Antarctic Cruise and pizza party
Sept. 11	Gregg Geary	Tour of Student Success Center
Sept. 18	Matthew Church*	The Hawaii Ocean time-series (HOT): A window into ecosystem dynamics in the North Pacific Ocean.
Sept. 25	Michael Cooney*	Biodiesel from algae
Oct. 02	Organizational meeting & logistics for ship tour	
<b>Oct. 04 (Sat.)</b>	Saturday – Kilo Moana tour, Time TBD	Need ID, covered shoes. Meet in front of MSB. (3-3.5 hrs)
Oct. 09	Basic computer skills	Practice with spreadsheet manipulations
Oct. 16	GES Feedback Discussion	
Oct. 23	GES Senior Thesis Projects	TDB
<b>Oct. 25 (Sat.)</b>	Saturday – Water sampling field trip, Manoa Stream	Meet in front of MSB at 9am. (~2 hrs)
Oct. 30	Eric De Carlo*	Discussion on water sampling and buoy data
Nov. 06	Michael Rappe*	
<b>Nov. 08 (Sat.)</b>	Saturday, HIMB tour 8:30 am	HIMB Field trip, Coconut Island. Meet in back of MSB at 8:30 am. (Return by 4pm)
Nov. 13	Chris Ostrander*	Developing the Hawaii Ocean Observing System – HiOOS
Nov. 20	Marcie Grabowski	HiOOS Student opportunities
Nov. 27	Thanksgiving – no class	Happy Thanksgiving!
Dec. 04	Scott Turn/Michael Antal*	HNEI alternative fuels research and lab tours
Dec. 11	TBD	