GG420/620 - Beaches, Reefs, and Climate Change: Coastal Geology

POST 708 - T, Th 1:30 ~ 2:45 pm
Dr. Chip Fletcher, POST 802a, 294-0386, fletcher@soest.hawaii.edu
Office hrs: MWF 2-3pm set up a meeting by email or just walk in and try any time

Students in GG620 will be held to a high standard in all aspects of the course, especially class participation. You will provide reviews of selected papers I will require and take a different test on exam days.

Week    Weekly Topic
Jan 8    Organizing, topics, field trips, General Introduction to coastal environments
Jan 15   General Introduction to coastal environments
Jan 22   General Introduction to coastal environments
Jan 29   Late Quaternary sea level history, paleoclimate
Feb 5    Late Quaternary sea level history, paleoclimate
Feb 12   Kaena Point Field Trip Groups 1) Kaena Std; 2) Waimanalo Std., 3) Eolianite or Cultural History or Management
Feb 19   Anthropogenic climate change
Feb 26   Anthropogenic climate change
Mar 5    Beaches, Barrier islands (nourishment http://www.hawaiibusiness.com/bring-back-our-beach/)
Mar 12   Goat Island Field Trip Groups 1) Carbonate sand composition/age; 2) How is beach rock made? 3) Invasive species
Mar 19   Reefs
Mar 26   Reefs
Apr 2    Coastal Hazards
Apr 9    Coastal Hazards
Apr 16   Kailua Bay Field Trip - Groups 1) Volcanology; 2) Reef ecology 3) Tourism in Hawaii
Apr 23   Coastal Management
Apr 30   Final Exam

This course requires physically demanding field trips, if you are not comfortable wading and kayaking in the ocean or hiking, this may not be the right course for you.

Field Trips Kaena Pt., Goat Island, Kailua Bay: Each field trip requires you to work in a group to teach the class one aspect of the trip. Group assignments listed above. You will present this knowledge to the class during the trip itself (10%).

Exams 2 exams 25% each (50% of your grade).

Presentations in class Each of you will give 2 short (10 mins) presentations in class (20%)

Paper you will each write a 4-p. paper about your first presentation. (10%)

Participation, Attendance, Attitude This is worth 10% of your grade.


Sexual Harassment The University of Hawai‘i is committed to providing a learning, working and living environment that promotes person: integrity, civility, and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking. If you or someone you know is experiencing any of these, the University has staff and resources on your campus to support and assist you. Staff can also direct you to resources that are in the community. Here are some of your options:

As members of the University faculty, your instructors (including me) are required to immediately report any incident of potential sex discrimination or gender-based violence to the campus Title IX Coordinator. Although the Title IX Coordinator and your instructors cannot guarantee confidentiality, you will still have options about how your case will be handled. Our goal is to make sure you are aware of the range of options available to you and have access to the resources and support you need.

If you wish to remain ANONYMOUS, speak with someone CONFIDENTIALLY, or would like to receive information and support in a CONFIDENTIAL setting, use the confidential resources available here (and see below).
http://www.manoa.hawaii.edu/titleix/resources.html#confidential

If you wish to directly REPORT an incident of sex discrimination or gender-based violence including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence or stalking as well as receive information and support, contact: Dee Uwono Title IX Coordinator (808) 956-2299 9uhm@hawaii.edu; or contact me and I will take you to the Title IX office.

Confidential Reporting University of Hawaii students, faculty and staff have an important resource to confidentially report violations of laws, rules, regulations and UH policies. A whistleblower hotline launched in June 2016 further advances the university's commitment to encourage and enable any member of UH or the general public to make good faith reports of misconduct.

UH Whistleblower Hotline: 1-855-874-2849 For more information go to UH News at http://go.hawaii.edu/coj