

GEOG 621, Spr 2012
T 4:30 to 6:30 p.m., Saunders 442

Prof. Alison Rieser
office hours: Tues 10 – 12 noon
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Ocean Policy Lab: Saunders 440

COASTAL PLANNING AND MANAGEMENT—SYLLABUS rev. 2

The coastal zone is an ecosystem of global significance with economic, cultural and historical importance to human populations everywhere. It is also the place where humankind has had the greatest impact on the natural world. In this course we will consider intensive human uses of the coastal zone and efforts to govern these uses through planning and management. Where possible, case studies will be drawn from Hawaii, its state coastal zone management program, and its co-management of the Hawaiian Islands Humpback Whale National Marine Sanctuary (HIHWNMS) with the federal National Oceanic and Atmospheric Administration (NOAA).

Course learning objectives: The student learning objectives are to gain (1) an understanding of the legal underpinnings of coastal planning & management in the U.S.; (2) an ability to identify social and environmental issues facing coastal zone managers; and (3) the capacity to apply theory and research from a range of disciplines to managing human uses of the coastal zone and nearshore marine waters. Because most coastal management is carried out under state and federal statutes and regulations, students will develop an ability to interpret and apply legal materials such as legislation and court rulings, but no prior legal training is required to take this course. This course is a core course in the Graduate Ocean Policy Certificate Program.

Readings and assessment: Three texts at the UH Bookstore are recommended as background reading and to assist your research. These are T. Beatley, *Planning for Coastal Resilience* (2009); R. Burroughs, *Coastal Governance* (2011); and D. Dallmeyer, ed., *Values at Sea* (2003). Class discussion will focus on readings assigned below posted to the Laulima course web page.

Lab/field trips: We will have three field trips this semester. The first will be to attend part of the Jan. 17-18 meeting of the Sanctuary advisory council for the HI Humpback Whale National Marine Sanctuary. The second is to attend a legislative hearing on a coastal management bill. If our schedules permit, we will go as a group; otherwise, you must go on your own. (A BLNR meeting where a coastal management action is under review can be substituted with permission of the instructor.) The third will be on a Saturday to tour the He'eia fishpond restoration in Kaneohe and the accreting portions of Kailua beach; details to be announced.

Student assignments:

1. Lead the class discussion at least once during the semester (dates to be assigned);
2. Post a 1-page reactions paper to each week's readings **before** the class;
3. Prepare a 3 to 5-page description of a coastal bill enacted by the HI State Legislature in 2011 or carried over to the 2012 session, describing the bill's legislative history and analyzing its prospects for passage (if pending) and likely issues in its implementation, **DUE Feb. 14** by class time (by e-mail to Prof. Rieser);
4. Prepare a Powerpoint presentation on one of the nine working group reports of the HI HWNMS Sanctuary Advisory Council, **DUE** by class time (e-mail) on **March 20**; and

5. Prepare a short research paper on an issue identified in assignments 3 or 4. This could include testimony to be submitted on one of the coastal bills in the 2012 legislative session or for submission to the HWNMS on revision of its mgt. plan, **DUE May 1st.**

Grading:

Class preparation and participation	25%
Analysis of a coastal bill	25%
Presentation/analysis of SAC rpts	25%
Final research paper	25%

Your reactions paper is your *preparation for class*. You must post your reaction papers to the Lualima Dropbox by **no later than 12 noon** on the date when those readings are to be discussed. The student leading the discussion of the readings will use your comments and questions to organize the discussion. Grading on the response papers will be as follows:

- 1 point if turned in on time but you don't mention your reactions in the class discussion
- 3 points if turned in on time and you mention your reactions in class
- 5 points if the above and the discussion leader asks the class a question based on your reactions

Reading Assignments

(NOTE: The topics and reading assignments are subject to change. Please be sure you are aware of the latest assignments by checking "Announcements" on the Lualima course web page.)

- Jan. 10 *Introduction to the course; what is a coastal issue?*
- Jan. 17 Field trip: meeting of the Sanctuary Advisory Council to HI Humpback Whale Sanctuary, to develop final recommendations on mgt plan revisions (based on reports from nine working groups)
Readings: W.E. Mossman, Does the Humpback whale need the sanctuary or does the sanctuary need the Humpback whale? (2010); NOAA, "Status of the Sanctuary," *Kohala Connection* (special ed. on HI HWNMS mgt. plan revision, Summer 2010). Skim the 9 working group reports: http://hawaiihumpbackwhale.noaa.gov/management/working_group_reports.html
- Jan. 24 *Conflicting coastal management traditions and paradigms*
Readings: J.Van Dyke, An overview of the jurisdictional issues affecting Hawai'i's ocean waters (1996); W. Tanaka, *Ho ohana aku, Ho ola aku: First steps to averting the tragedy of the commons in Hawaii's nearshore fisheries* (2008).
- Jan. 31 *Coordinating federal & state responsibilities in the coastal zone*
Readings: R. Tobin, Interorganizational implementation of the Endangered Species Act: A Hawaii case study (1988); K.L. Kaulukukui, The brief and unexpected preemption of Hawaii's Humpback whale laws (skip part IV) (2006).

- Feb. 7 *Defining the boundary between public and private ownership*
 Readings: D.R. Christie, Of beaches, boundaries, and SOBs (2009); S.L. Vance and R.J. Wallsgrove, More than a line in the sand: Defining the shoreline in Hawaii after *Diamond v. State* (2006).
- Feb. 14 *Protecting beaches and surf breaks*
 Readings: M. Reed, Seawalls and the public trust doctrine in Hawaii (2009); W. Oram & C. Valverde, Legal protection of surf breaks (1994); A. Ayers, “Disappearing beaches,” *Green Magazine Hawaii* (2011): http://www.greenmagazinehawaii.com/conservation_v3-5.html
 M. Keany, “Building Better Beaches,” *Honolulu Magazine* (June 2008): <http://www.honolulumagazine.com/Honolulu-Magazine/June-2008/Building-Better-Beaches/>
- Feb. 21 *Ocean recreation and coastal tourism management*
 Readings: C.S. Wiener et al., Hawai‘i’s real life marine park: interpretation and impacts of commercial marine tourism in the Hawaiian Islands (2009); M. Luck, Education on marine mammal tours as agents for conservation (2003); Ocean Recreation User Conflicts Final Rpt (2007).
- Feb. 28 *Fishery conflicts and community-based management*
 Readings: J. Higuchi, Propagating cultural *kipuka*: Obstacles and opportunities of establishing a community-based subsistence fishing area (2008); P. Maurin, West Hawaii’s Fisheries Council Case Report (2008).
- Mar. 6 *Ocean aquaculture leasing; restoration of Native Hawaiian fishponds*
 Readings: DLNR, Report to Legislature on HI Ocean Leasing for Aquaculture HRS 190D (2011); I. H. Hlawati, Loko I‘a: Legal Guide to Restoration of Native Hawaiian Fishponds within the Western Paradigm (2002); Food & Water Watch, Empty Promise of Ocean Aquaculture in HI (2010): <http://www.foodandwaterwatch.org/fish/fish-farming/hawaii/>
- Mar. 13 *coral reef conservation in Hawaii*
 Readings: R. P. Kelly et al, Mitigating local causes of ocean acidification with existing laws (2011); P.J.H. van Beukering and H.S.J. Cesar, Ecological economic modeling of coral reefs: Evaluating tourist overuse at Hanauma Bay and algae blooms at Kehei coast, Maui (2004); D. Antolini, Marine reserves in Hawaii: A new call for community stewardship (2004).
- Mar. 20 *renewable energy dev’t in coastal waters; national marine sanctuaries*
 Readings: Crowder et al., Resolving Mismatches in U.S. Ocean Governance (2006); D. Owen, The Disappointing History of the National Marine Sanctuaries Act (2002); S. Farady, “Compatible Use” within National Marine Sanctuaries (2006); M. Burger, Consistency conflicts and federalism choice: marine spatial planning beyond the states’ territorial seas (2011).

SPRING BREAK

- Apr. 3 *recovery of the endangered Hawaiian monk seal*
Readings: Cute with consequences (2011); J. Conrow, "Cute with consequences," *Honolulu Weekly* (2011):
<http://honoluluweekly.com/cover/2011/09/cute-with-consequences/> ;
NOAA, Monk Seal Public Attitudes Survey Report (2011); NOAA, Monk Seal Messaging Recommendations Report (2011).
- Apr. 10 *CZMA consistency and military activities; whales and ship strikes*
Readings: J. Romero, Expansion of state regulatory authority over federal activities and migratory resources under the CZMA, pp. 42-63 (2008); C. Grandy, The Superferry and the evolution of Hawaii's environmental review process (2009); B. Segee, Whale of an opportunity: Coast Guard study on reducing ship strikes in the Santa Barbara Channel (2010).
- Apr. 17 *de-listing the Hawaiian green turtle after recovery*
K. A. Nichols, Turtles and tourism: Where the Endangered Species Act (ESA) ends and community activism begins (2006-07); I. Kinan and P. Dalzell, Sea Turtles as Flagship Species: Different Perspectives Create Conflicts in the Pacific Islands (2004-05); Tisdell and Wilson, Does Tourism Contribute to Sea Turtle Conservation? (2004-05); L. Hara, Should a Native Hawaiian Right to Take Green Sea Turtles be Recognized under the ESA? (2002):
http://www3.hawaii.edu/ohelo/resources/ELP_SSO/hara.html
- Apr. 24 student presentations of final research projects
May 1 student presentations of final research projects

Useful web site resources:

NOAA, Office of Coastal Resource Management
<http://coastalmanagement.noaa.gov/programs/czm.html>

Hawai'i Coastal Zone Management Program
<http://hawaii.gov/dbet/czm/program/program.php>

Surfrider Foundation, State of the Beach Report
www.surfrider.org/stateofthebeach

Rubinoff 2008, Coastal Zone Management Plans and Sea Level Rise
http://seagrant.gso.uri.edu/z_downloads/coast_haz_slr.pdf

HI Dept. of Land and Natural Resources, Hawaii Coastal Erosion Management Plan
<http://hawaii.gov/dlnr/occl/documents-forms/policies-plans/coemap.pdf>

COASTAL PLANNING AND MANAGEMENT—SYLLABUS rev. 3

April 10 delete readings by Romero (2008) and Segee (2010); retain reading by Grandy (2009) on the Superferry; add readings by Gerber et al (2011), “Managing [HI monk seals] for extinction?” and Barney, Mintzes et al (2005), “Assessing knowledge, attitudes, and behavior toward charismatic megafauna; the case of dolphins.”

SEND Prof. Rieser your top three choices for topics for the final paper and presentations by NOON on April 10.

GUIDELINES FOR FINAL PAPERS: They should be between 10 and 15 pp, double-spaced, in 12-point font, with one-inch margins on all sides, with no cover page, with sources cited, either through footnotes/endnotes or scientific journal style references. They should reflect a further analysis of the topic beyond what is presented in the assigned readings or in news articles. This will require you to do further reading and research and to write something other than a summary of the readings. References to legal principles and relevant theoretical literature (relevant in your discipline or in human geography) are necessary to meet this last guideline.

Your oral presentation to the class may include Powerpoint slides but these are not required.