

COURSE OVERVIEW

This course is concerned with understanding a particular type of society/community – those in which subsistence depends on exploitation of the marine ecosystem. During the semester, we shall be comparing fishing peoples from around the world, focusing on their technologies and behavioral adaptations. For most of the semester, the course utilizes articles from professional journals and chapters from books to cover a variety of topics pertaining to fishing as a way of life. In particular, we shall examine the theory of common-property resources, the specific knowledge used in applying different fishing technologies (including deciding where to fish, controlling information, etc.), and the interpersonal and affective correlates of fishing for a living. The course concludes with an examination of different objectives, regulatory tactics, and overall feasibility of fisheries management. And, the last week is reserved for students to present ideas for their research papers to the rest of the class and get “free” feedback.

The course’s overarching educational objective is for students to appreciate more fully how difficult it is for complex systems of human behavior to achieve some sort of sustainable yield vis-à-vis even a renewable resource. Indeed, by the end of the semester, you may wonder whether “sustainable management” of wild fisheries is possible.

REQUIREMENTS

As this is a “writing intensive” course, there are no in-class examinations, but rather a series of writing assignments. The assignments are described on a separate handout, but include two short essays, ten article critiques, and a research paper. In addition, students are responsible for teaching their classmates selected case studies. Each written assignment receives two grades, one for “writing” and one for “content.”

Students should anticipate at least two individual appointments with me during the semester to talk about writing. Also, please note that ATTENDANCE IS REQUIRED, and class participation figures into your grade in the course.

MATERIALS

As noted above, most of readings for this course are articles from professional journals or chapters from edited books. You will have to purchase (at cost) a xeroxed packet of these materials from the Department secretary. In addition, there are two excellent books, which are available at Lehigh’s bookstore or online for very reasonable prices.

Required Readings:

McGoodwin, James R. (1991) Crisis in the World’s Fisheries: People, Problems, and Policies. Stanford, CA: Stanford University Press. [ISBN: 9780804723718 – paperback]

McCay, Bonnie J. and James M. Acheson, eds. (1987) The Question of the Commons. Tucson, AZ: University of Arizona Press. [ISBN: 9780816512058 – paperback]

Packet of xeroxed articles/chapters [purchase at cost from Department].

COMMUNITY OF LEARNING. Lehigh University endorses The Principles of Our Equitable Community (<http://www4.lehigh.edu/diversity/principles>). We expect each member of this class to acknowledge and practice these Principles. Respect for each other and for differing viewpoints is a vital component of the learning environment inside and outside the classroom.

CLASS PERIODS BY CALENDAR DAYS

<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>
Aug 29	—	Aug 31	—	Sept 2
Sept 5	—	Sept 7	—	Sept 9
Sept 12	—	Sept 14	—	Sept 16
Sept 19	—	Sept 21	—	Sept 23
Sept 26	—	Sept 28	—	Sept 30
Oct 3	—	Oct 5	—	(* Oct 7 *)
Oct 10	—	Oct 12	—	Oct 14
—	—	Oct 19	—	Oct 21
Oct 24	—	Oct 26	—	Oct 28
Oct 31	—	Nov 2	—	Nov 4
Nov 7	—	Nov 9	—	Nov 11
Nov 14	—	Nov 16	—	Nov 18
Nov 21	—	—	—	—
Nov 28	—	Nov 30	—	Dec 2
Dec 5	—	Dec 7	—	Dec 9

* Note: There will be no class on October 7; Prof. Gatewood will be out-of-town.

SCHEDULE OF TOPICS AND READINGS

--- INTRODUCTION ---

1. Aug 29 / M Introductory Remarks, Course Organization, etc.
2. Aug 31 / W General Characteristics of Fishing Communities

McGoodwin, James R. (1990) Crisis in the World's Fisheries. Stanford, CA: Stanford University Press. pp. 1-46. [B W]

Smith, M. Estellie (1977) Introduction. In M. E. Smith, ed., Those Who Live from the Sea, pp. 1-22. St. Paul: West Publishing. [B W]

3. Sept 2 / F Particular Adaptations to Fishing

Andersen, Raoul and Cato Wadel (1972) Comparative problems in fishing adaptations. In R. Andersen & C. Wadel, eds., North Atlantic Fishermen, pp.141-165. St. John's: Memorial University of Newfoundland. [B W]

Acheson, James M. (1981) Anthropology of fishing. Annual Review of Anthropology 10:275-316. [B W]

--- THE COMMON PROPERTY NATURE OF FISHERIES ---

4. Sept 5 / M Common-Property Theory: Original Theoretical Formulations

Gordon, H. Scott (1954) The economic theory of a common property resource: The fishery. Journal of Political Economy 62:124-142. [B W]

5. Sept 7 / W Common-Property Theory: Original Theoretical Formulations

Hardin, Garrett (1968) The tragedy of the commons. Science 162:1243-1248. [B W]

6. Sept 9 / F Common-Property versus Open-Access
- Brox, Ottar (1990) The common property theory: Epistemological status and analytical utility. Human Organization 49:227-235. [B W]
7. Sept 12 / M Common-Property versus Open-Access
- McCay, Bonnie J. and James M. Acheson (1987) Human ecology of the commons. In B. McCay & J. Acheson, eds., The Question of the Commons, pp. 1-34. Tucson: University of Arizona Press. [B]
- Durrenberger, E. Paul and Gísli Pálsson (1987) Ownership at sea: Fishing territories and access to sea resources. American Ethnologist 14:508-522. [W]
8. Sept 14 / W Ethnographic Examples: Tragedies
- Löfgren, Orvar (1972) Resource management and family firms: Swedish west coast fishermen. In R. Andersen & C. Wadel, eds., North Atlantic Fishermen, pp. 82-103. St. John's: Memorial University of Newfoundland. [W]
- Smith, Courtland L. (1977) Fisheries as subsistence resources: Growth and decline of the Columbia River salmon fishery. In M. E. Smith, ed., Those Who Live from the Sea, pp. 215-234. St. Paul: West Publishing. [B]
9. Sept 16 / F Ethnographic Examples: Tragedies
- Anderson, E. N., Jr. (1987) A Malaysian tragedy of the commons. In B. McCay & J. Acheson, eds., The Question of the Commons, pp. 327-343. Tucson: University of Arizona Press. [B]
- Carrier, James G. (1987) Marine tenure and conservation in Papua New Guinea: Problems of interpretation. In B. McCay & J. Acheson, eds., The Question of the Commons, pp. 142-167. Tucson: University of Arizona Press. [W]
10. Sept 19 / M Ethnographic Examples: Comedies
- Acheson, James M. (1987) The lobster fiefs revisited: Economic and ecological effects of territoriality in the Maine lobster fishery. In B. McCay & J. Acheson, eds., The Question of the Commons, pp. 37-65. Tucson: University of Arizona Press. [B W]
11. Sept 21 / W Ethnographic Examples: Comedies
- Wadel, Cato (1972) Capitalization and ownership: The persistence of fishermen-ownership in the Norwegian herring fishery. In R. Andersen & C. Wadel, eds., North Atlantic Fishermen, pp. 104-119. St. John's: Memorial University of Newfoundland. [B]
- Taylor, Lawrence (1987) "The river would run red with blood": Community and common property in an Irish fishing settlement. In B. McCay & J. Acheson, eds., The Question of the Commons, pp. 290-307. Tucson: University of Arizona Press. [W]
12. Sept 23 / F Overview of Problems in Fisheries and Fisheries Management
- McGoodwin, James R. (1990) Crisis in the World's Fisheries. Stanford, CA: Stanford University Press. pp. 47-142. [B W]

--- ACTIVITIES ASSOCIATED WITH FISHING ---

13. Sept 26 / M **SLIDES:** Alaska and New Jersey Fisheries
▶▶▶ ASSIGNMENT DUE: Short Essay #1 ◀◀◀
14. Sept 28 / W Deciding Where to Fish
- Davenport, William C. (1971[1960]) Jamaican fishing: A game theory analysis. Reprinted in M. Horowitz, ed., Peoples and Cultures of the Caribbean, pp. 307-317. Garden City, NY: The Natural History Press. [B*W*]
15. Sept 30 / F Deciding Where to Fish
- Gatewood, John B. (1983) Deciding where to fish: The skipper's dilemma in Southeast Alaskan salmon seining. Coastal Zone Management Journal 10:347-367. [B*]
- Durrenberger, E. Paul and Gísli Pálsson (1986) Finding fish: The tactics of Icelandic skippers. American Ethnologist 13:213-229. [W*]
16. Oct 3 / M Deciding Where to Fish
- McGoodwin, James R. (1989) Do randomizing devices aid marine hunters? Maritime Anthropological Studies 2:134-153. [B*]
- White, David R. M. (1989) Knocking 'em dead: Alabama shrimp boats and the "fleet effect." In J. S. Thomas, R. L. Maril & E. P. Durrenberger, eds., Marine Resource Utilization: A Conference on Social Science Issues, pp. 25-37. Mobile, AL: University of South Alabama Publication Services. [W*]
17. Oct 5 / W Deciding Where to Fish
- Andersen, Raoul (1972) Hunt and deceive: Information management in Newfoundland deep-sea trawler fishing. In R. Andersen & C. Wadel, eds., North Atlantic Fishermen, pp. 120-140. St. John's: Memorial University of Newfoundland. [B*]
18. Oct 7 / F - - - (NO CLASS) - - -
19. Oct 10 / M Managing Information
- Palmer, Craig T. (1990) Telling the truth (up to a point): Radio communication among Maine lobstermen. Human Organization 49(2):157-163. [W*]
20. Oct 12 / W Managing Information
- Gatewood, John B. (1984) Cooperation, competition, and synergy: Information-sharing groups among Southeast Alaskan salmon seiners. American Ethnologist 11:350-370. [W*]
21. Oct 14 / F Managing Information
- Wilson, James A. (1990) Fishing for knowledge. Land Economics 66:12-29. [B*]
22. Oct 19 / W Managing Information
- Allen, Peter M. and Jacqueline M. McGlade (1986) Dynamics of discovery and exploitation: The case of the Scotian Shelf groundfish fisheries. Canadian Journal of Fisheries and Aquatic Sciences 43:1187-1200. [B*W*]

23. Oct 21 / F Determinants and Ideology of Fishing Success
- Pálsson, Gísli and E. Paul Durrenberger (1983) Icelandic foremen and skippers: The structure and evolution of a folk model. American Ethnologist 10:511-528. [B*]
24. Oct 24 / M Determinants and Ideology of Fishing Success
- Thorlindsson, Thorolfur (1988) The skipper effect in the Icelandic herring fishery. Human Organization 47(3):199-212. [W*]
25. Oct 26 / W Determinants and Ideology of Fishing Success
- Russell, Susan D. and Rani T. Alexander (1998) Measuring seining strategies and fishing success in the Philippines. Human Organization 57:145-158. [B* W*]
26. Oct 28 / F Determinants and Ideology of Fishing Success
- Gatewood, John B. and Pamela M. Mace (1990) Hard work versus patience: Simulation of fishing strategies in Nova Scotian herring purse seining. Journal of Quantitative Anthropology 2:329-352. [B*W*]
27. Oct 31 / M Interpersonal and Affective Aspects of Fishing
- White, David R. M. (1977) Environment, technology, and time-use patterns in the Gulf Coast shrimp fishery. In M. E. Smith, ed., Those Who Live from the Sea, pp. 195-214. St. Paul: West Publishing. [B]
28. Nov 2 / W Interpersonal and Affective Aspects of Fishing
- Thiessen, Victor; Anthony Davis; and Svein Jentoft (1992) The veiled crew: An exploratory study of wives' reported and desired contributions to coastal fisheries enterprises in northern Norway and Nova Scotia. Human Organization 51(4):342-352. [W*]
29. Nov 4 / F Interpersonal and Affective Aspects of Fishing
- Poggie, John J., Jr. and Richard B. Pollnac (1988) Danger and rituals of avoidance among New England fishermen. Maritime Anthropological Studies 1:66-78. [B*]
30. Nov 7 / M Interpersonal and Affective Aspects of Fishing
- Gatewood, John B. (1989) Competition for cultural images: Fisherman versus logger in Southeast Alaska. Maritime Anthropological Studies 2:87-104. [W]
- SOCIAL SCIENCE AND FISHERIES MANAGEMENT ---
31. Nov 9 / W Economic Objectives for Fisheries Management
- Crutchfield, James A. (1979) Economic and social implications of the main policy alternatives for controlling fishing effort. Journal of the Fisheries Research Board of Canada 36:742-752. [B]
32. Nov 11 / F Socioeconomic Objectives for Fisheries Management
- Smith, Courtland L. (1981) Satisfaction bonus from salmon fishing: Implications for management. Land Economics 57:181-196. [W]

33. Nov 14 / M Sociocultural Objectives for Fisheries Management
 ►►► ASSIGNMENT DUE: Initial Paper Topic & Bibliography ◀◀◀
- Gatewood, John B. and Bonnie J. McCay (1989) The role of job satisfaction data in selecting among alternative regulatory policies. In J. S. Thomas, L. Maril & E. P. Durrenberger, eds., Marine Resource Utilization: A Conference on Social Science Issues, pp. 51-62. Mobile, AL: University of South Alabama Publication Service. [B]
34. Nov 16 / W Sociocultural Objectives for Fisheries Management
- Fedler, Anthony J. and Robert B. Ditton (1994) Understanding angler motivations in fisheries management. Fisheries 19(4):6-13. [W]
35. Nov 18 / F Fisheries Management in a Global Economy
- McGoodwin, James R. (1990) Crisis in the World's Fisheries. Stanford, CA: Stanford University Press. pp. 143-204. [B W]
36. Nov 21 / M Fisheries Management in a Global Economy
- Gatewood, John B. (1993) Ecology, efficiency, equity, and competitiveness. In Steven L. Goldman, ed., Competitiveness and American Society, pp. 123-155. Bethlehem, PA: Lehigh University Press. [B W]
37. Nov 28 / M Challenges to the Very Idea of "Fisheries Management"
- Gilbertsen, Neal (1993) Chaos on the commons: Salmon and such. Maritime Anthropological Studies 6(1,2):74-91. [B]
38. Nov 30 / W Challenges to the Very Idea of "Fisheries Management"
- Wilson, James A. and Peter Kleban (1992) Practical implications of chaos in fisheries. Maritime Anthropological Studies 5(1):67-75. [W]
39. Dec 2 / F **CLASS DISCUSSION** ... "What can social scientists do to improve fisheries management?"
 ►►► ASSIGNMENT DUE: Short Essay #2 ◀◀◀
- DISCUSSION OF STUDENT RESEARCH PAPERS ---
40. Dec 5 / M Students describe their papers and get feedback on ideas from classmates
41. Dec 7 / W Students describe their papers and get feedback on ideas from classmates
42. Dec 9 / F Course Summary and Student Evaluations

Reminders:

- First complete draft of research paper is due before 4:00 PM on Monday, December 12.
- Revised, final version of research paper is due before 4:00 P.M on Wednesday, December 21.