

RECEIVED OCT 11 2007

ATTACHMENT A

PROPOSAL FOR COURSE CHANGE

To: Curriculum Committee

From: Department of Biological Sciences

Date submitted: October 8, 2007

Request for: **Course addition**

Submitted by: Dr. Elisabeth Brennan, Assistant Professor of Wildlife Science

Approved by: Department Head: *Charlie Fay*
Dean of School: *St. Polunon*

Reviewed by: Registrar: *Sammy Woods*

Vice President:

I. Catalog description: (AS IT WILL APPEAR IN THE CATALOG).

Number: FW 4103/5103

Title for Catalog: Human Dimensions of Fisheries and Wildlife Management

*Title for Course Inventory (30 characters): Human Dimensions of F&W

Description: Exploration of the complex interactions of social, political, institutional, economic and ecological processes that contribute to natural resource use and management. The primary focus is on interactions and conflict resolution among various stakeholders, resource management agencies, and wildlife and fisheries resources. Topics covered include public attitudes and expectations; agency structure and policy; values of fishes, wildlife; and public relations. Lecture three hours

Prerequisites: BIOL/FW 3114 (Ecology)

Effective date or term: As soon as possible.

II. Justification and feasibility of course:

A. What is the need for this course? Who will take it?

This course is being piloted as Advanced Topics in Fisheries and Wildlife (FW 4883/5883) during the fall semester 2007. We suggest that this course become a permanent 3-credit offering (FW 4103/5103) within the Fisheries and Wildlife Science (F&W) Program. It is designed for upper-level undergraduate and graduate students. One of the primary purposes of this class is to increase course options for

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students pursuing a Master's degree in the F&W program. Also, during program **assessment** and particularly the exit exam, many undergraduates have suggested the program would benefit from increasing the diversity of course offerings. The class fulfills one of the certification requirements required for certification as a professional fisheries scientist or wildlife biologist (as administered by American Fisheries Society or The Wildlife Society).

- B. How does it relate to other work being offered by your department? Is there an overlap with other courses in the department?

The proposed course will not overlap with other classes offered by the department. FW 3053 (Fisheries and Wildlife Administration) fulfills one human dimension certification requirement and this class will fulfill the other human dimension class required for graduation and professional certification.

- C. Is this course part of any general plan of development within your department? Explain.

Fisheries and Wildlife Program faculty members recognized the need to offer additional graduate-level courses for M.S students. This course helps fulfill that need. The proposed course offering fits directly into the developmental plan of the F&W program by increasing course offerings for F&W majors while providing an opportunity for specialized instruction in human dimensions. Moreover, the class fulfills one of the certification requirements required for certification as either a professional wildlife biologist (as administered by The Wildlife Society) or professional fisheries scientist (American Fisheries Society).

- D. How often will the course be offered?

This course will be taught alternating fall semester.

- E. How will the course be staffed?

A faculty member (e.g., Dr. Brennan) from the Fish and Wildlife program will teach this course.

- F. How will this course change affect other departments' students and offerings? With what other departments have you specifically consulted?

This new course is not expected to have any impacts on other departments; however, it was considered to be particularly useful for students in the Fisheries and Wildlife Science Program.

III. Integration with Program Assessment

Faculty members in the F&W Program annually assess student learning by administering an exit exam (Major Field Tests, Educational Testing Service). In addition, the F&W faculty administers a comprehensive final exam to all graduating seniors as a part of program

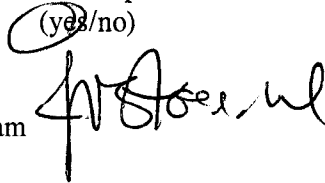
assessment. To integrate the proposed course into assessment procedures, new questions pertaining to human dimensions of fisheries and wildlife will be developed and included in the comprehensive exam. This class also requires student presentations, which F&W faculty will be invited to attend as part of overall measurement of proficiency identified in the assessment plan.

List Department Head/
Program Director Consulted:
(Add to list as needed)

Indicate Support
for Proposal
(yes/no)

Date:

1. Dr. Joe Stoeckel, Director
Fisheries and Wildlife Science Program



10/08/07

Human Dimension of Fisheries and Wildlife Management (FW 4103/5103)

Instructor: Dr. Lisa Brennan (356-2018) ebrennan@atu.edu

Course Description: Exploration of the complex interactions of social, political, institutional, economic and ecological processes that contribute to natural resource use and management. Class will focus on interactions among various stakeholders, resource management agencies, and wildlife and fisheries resources. Covers topics such as public attitudes and expectations; agency structure, administration, and policy; tangible and intangible values of fishes, wildlife, and their habitats; public relations; the philosophy and ethics of resource use and management; and approaches to resolutions of conflicts arising from natural resource use and management practices.

Text: Decker, D.J., T. L. Brown, and W. F. Siemer. 2001. Human dimensions of wildlife management in North America. The Wildlife Society, Bethesda, Maryland.

Course Justification: This course is designed as an upper-level elective for Fisheries and Wildlife Majors. Pre-requisites include successful completion of BIOL/FW 3114 (Ecology).

Bibliography:

Kellert, S. R. 1985. Social and Perceptual Factors in Endangered Species Management. *Journal of Wildlife Management* 49(2): 528-536.

Loker, C. A., D. J. Decker, and S. J. Schwager. 1999. Social Acceptability of Wildlife Management in Suburban Areas: 3 Case Studies from New York. *Wildlife Society Bulletin* 27(1):152-159.

Manfredo, M. J., T. L. Teel, and A.D. Bright. 2003 Why are Public Values Toward Wildlife Changing? *Human Dimensions of Wildlife* 8:287-306.

Williams, C.K., G. Ericsson, and T. A. Heberlein. 2002. A quantitative Summary of Attitudes Toward Wolves and their Introduction. *Wildlife Society Bulletin* 30(2):575-584.

Course Objectives: Upon successful completion of this course, students will develop:

- 1) knowledge of the history and current status of the human dimensions aspect in fisheries and wildlife;
- 2) understanding of important human dimensions applications, needs and case studies in fisheries and wildlife;
- 3) ability to find, interpret, critically evaluate and successfully apply human dimensions research to fisheries and wildlife management needs;

4) competency in designing and implementing strategies for collecting human dimensions data for use in fisheries and wildlife management; and

5) skills and knowledge related to major human dimensions specialties including recreational choice and behaviors; beliefs, attitudes and risk behavior; application of marketing strategies to management; principles of institutional design and administration; trends and processes in policy making; and issue management and conflict resolution.

Assessment Methods: Grades will be computed based on approximately 500 (600 for grad students) points distributed among the following assignments:

	Possible Points		Due date
	Undergrads	Grad students	
Quizzes (x 5)	100	100	To be announced
Participation	150	150	ALL DAY, EVERY DAY
Public Meeting Essays (x 2)	50	50	To be announced
Response Letters (x 2)	50	50	October 2, November 1
Survey Presentation	100	100	November 29, December 4
Discussion (grad students only)		100	November 20, 22
Final Project	50	50	December 6
Total Points	500	600	

Survey presentations: Working in assigned groups, you will design a survey to gauge public opinion on a fisheries or wildlife issue of your choice. Once I approve the survey questionnaire, your group will administer the survey to 2 groups; biology/fisheries/wildlife majors and all other students. Your group should clear the topic with me **at least one month before the presentation is due**. You will give a 20 minute presentation on your topic, the results of your survey, and what actions you would recommend. Grades will be assessed based on your professional performance in the presentation/discussion and by the evaluation of your class members (as well as myself). The **Final Project** will be an 8 page written report discussing your survey and results.

Sample Lecture Schedule:

Month	Day	Topic	Reading
August	23	Introduction	Riley et al. 2002
	28	Evolution of Human Dimensions	Jacobson and McDuff 1998
	30	Social Science Theory	Decker et al. pp. 9-56
September	4	Economic Value of Fisheries/Wildlife	Steinhoff et al. 1987
	6	Changing Value of FW	Kellert 1978; Manfredo et al. 2003
	11	Process of FW Management	Stout et al. 1996
	13	Working with Stakeholders	Chase et al. 2004
	18	Citizen Participation	Decker et al. pp. 133-167
	20	Effective Communication	Decker et al. pp. 171-190
	25	Effective Communication	
	27	Researching Human Dimensions	Decker et al. pp. 355-374
October	2	Methods of Inquiry	Decker et al. pp. 375-400
	4	Management in Urban Environments	Conover 1997
	9	Management in the Burbs'	Loker et al. 1999
	11	Management in Rural Areas	Conover 1998
	16	Working with Private Landowners	
	18	Managing for Fish	Ditton 1996
	23	Managing for Hunting Access	
	25	Hunter Participation	Decker et al. 289-302; Enck et al. 1993
	30	Subsistence Use	Decker et al. pp. 328-347
November	1	Species Restoration and Reintroduction	Williams et al. 2002; Enck and Brown 2002
	6	Endangered Species	Kellert 1985; Phillips et al. 1998
	8	Invasive Species	McNeely 2001
	13	Predator Management	Messmer et al. 1999; Ash and Adams 2003
	15	Animal Damage	Reiter et al. 1999
	20	Student Discussion	To be assigned
	22	Student Discussion	To be assigned
	24	No class – Thanksgiving Break	
	27	"Managing" Human Users	
	29	Survey Presentations	
December	4	Survey Presentations	
	6	Future of Human Dimensions	Manfredo et al. 1998; Conover and Conover 2001