

**BIOLOGY 598L
CONSERVATION BIOLOGY
SPRING 2003**

PROFESSOR: DR. H. E. SHEALY, JR.
OFFICE: ROOM 111D, SCIENCE BUILDING
OFFICE HOURS: BY APPOINTMENT
COURSE CREDIT: THREE CREDIT HOURS
LECTURE: MWF 9 – 9:50 AM, RM 107, SCI BLDG
PHONE/E-MAIL: 803-641-3404 / HSHEALY@USCA.EDU

COURSE GOALS AND OBJECTIVES: IN RECENT TIMES WE HAVE SEEN AN UNPRECEDENTED LOSS OF HABITAT AND BIODIVERSITY ON OUR PLANET. WITHIN THE FRAMEWORK OF THIS COURSE IT IS MY OBJECTIVE TO DISCUSS THE ISSUES, PRO AND CON, RELATED TO THE EVER GROWING DEBATE CONCERNING THE LOSS OF BIODIVERSITY. WE WILL SELECT SEVERAL OF THE MAJOR ISSUES FACING US TODAY AND DISCUSS THEM IN THE CONTEXT OF BIOLOGY, ECONOMICS, POLITICS, AND SOCIAL SCIENCE. WE WILL HEAR FROM EXPERTS WHOSE WORK IMPACTS ON CONSERVATION BIOLOGY. THE GOAL OF THIS COURSE IS TO RAISE EACH STUDENT'S AWARENESS OF THE DEBATE ITSELF AND THE UNDERLYING ISSUES, AND HOPEFULLY, EACH OF YOU WILL BECOME A MORE INFORMED CITIZEN AND VOTER. THE PRIMARY EMPHASIS OF THE COURSE WILL BE FROM THE POINT OF VIEW OF BIOLOGY/ECOLOGY. OUR COMMON POINT OF REFERENCE IS THE TEXTBOOK AND LIKE ALL CONSERVATION BIOLOGY TEXTBOOKS, OF WHICH I AM AWARE, IT IS WRITTEN BY AN ECOLOGIST.

TEXT: ESSENTIALS OF CONSERVATION BIOLOGY, 3RD EDITION BY RICHARD B. PRIMACK. PUBLISHED BY SINAUER ASSOCIATES, 2002.

METHODS OF EVALUATION:

HOURLY EXAMS : THERE WILL BE THREE HOUR EXAMS. THEY WILL BE SUBJECTIVE AND YOU WILL NEED TO BRING AT LEAST ONE LARGE BLUE BOOK FOR EACH EXAM.

CLASS PROJECTS: IN GROUPS OF ONE TO THREE, STUDENTS WILL DO A CASE STUDY OF A PARTICULAR ISSUE IN THE AREA OF CONSERVATION BIOLOGY. THE CASE STUDY MAY BE LOCAL, REGIONAL, NATIONAL, OR GLOBAL. AS A GROUP YOU WILL BE REQUIRED TO SUBMIT A PAPER AND DO AN ORAL PRESENTATION AT THE END OF THE SEMESTER. WE WILL CONTINUE TO DEFINE THIS ASSIGNMENT. THE PAPER SHOULD BE SIX TO TEN PAGES OF TEXT IN LENGTH DOUBLED SPACE AND PROPERLY REFERENCED. THE PRESENTATION SHOULD BE TEN TO FIFTEEN MINUTES IN LENGTH. THE PAPERS ARE DUE ON **9 APRIL**. PRESENTATIONS WILL BEGIN ON **18 APRIL**.

READING ASSIGNMENTS: YOU WILL BE REQUIRED TO SUBMIT THREE PAPERS DEALING WITH AN ISSUE DEALING WITH CONSERVATION BIOLOGY. THESE CAN COME FROM JOURNALS, POPULAR SOURCES SUCH AS MAGAZINES, NEWS ARTICLES, POPULAR BOOKS OR EVEN SEMINARS DEALING WITH CONSERVATION BIOLOGY. THESE ARE DUE ON THE LAST DAY OF EACH MONTH. THEY SHOULD BE DONE IN A FORMAT THAT I WILL GIVE YOU IN CLASS.

SPEAKERS: WE WILL OCCASIONALLY HAVE OUTSIDE SPEAKERS COME TO OUR CLASS. YOU WILL BE ASKED TO WRITE A CRITIQUE OF THE ISSUE THAT THEY DISCUSS IN CLASS. THE FORMAT FOR THE PAPERS WILL BE GIVEN IN CLASS.

YOU WILL BE OBSERVED IN CLASS DISCUSSIONS, QUESTIONS, AND OTHER CLASSROOM INTERACTIONS. THERE WILL BE NUMEROUS OPPORTUNITIES FOR YOU TO SPEAK AND WRITE ABOUT CONSERVATION BIOLOGY...**CLASS DISCUSSIONS AND QUESTIONS ARE ENCOURAGED!**

GRADE COMPONENTS:

LECTURE

THREE HOUR EXAMS.....	55%
CLASS PROJECT.....	25%
READINGS.....	10%
SPEAKERS.....	10%

GRADING SCALE:

100-93 = A; 92-88 = B+; 87-81 = B; 80-76 = C+; 75-70 = C; 69-65 = D+; 64-60 = D; 59-0 = F.

MAKE-UP EXAMS: THERE ARE NO MAKE-UP EXAMS. SHOULD YOU MISS AN EXAM FOR A DOCUMENTED EXCUSABLE REASON, AN ALTERNATE EXAM MAY BE GIVEN DURING THE LAST WEEK OF CLASSES. ONLY ONE EXAM WILL BE TREATED IN THIS MANNER; ANY OTHER MISSED EXAMS WILL BE COUNTED AS A ZERO.

ATTENDANCE: STUDENTS WILL BE ALLOWED A TOTAL OF FOUR(4) UNEXCUSED ABSENCES FROM THIS COURSE. YOU SHOULD NOTE THAT I MAY IMPOSE A PENALTY FOR ABSENCES IN EXCESS OF FOUR OF THE REGULARLY SCHEDULED CLASS MEETINGS BY ASSIGNING THE GRADE OF "F" FOR THE COURSE. ATTENDANCE IS TAKEN FOR EACH CLASS. THEREFORE, I URGE YOU TO ATTEND ALL CLASSES, AND TO **BE PREPARED AND BE ON TIME**. REGARDLESS OF THE REASON YOU ARE ABSENT, **YOU ARE RESPONSIBLE FOR ALL CLASS ASSIGNMENTS.**

DISABILITY STATEMENT: IF YOU HAVE A PHYSICAL, PSYCHOLOGICAL, AND/OR LEARNING DISABILITY WHICH MIGHT AFFECT YOUR PERFORMANCE IN THIS CLASS, PLEASE CONTACT THE OFFICE OF DISABILITY SERVICES, 126A B&E, (803) 641-3609, AS SOON AS POSSIBLE. THE DISABILITY SERVICES OFFICE WILL DETERMINE APPROPRIATE ACCOMMODATIONS BASED ON MEDICAL DOCUMENTATION.

WRITING CENTER: USCA PROVIDES A WRITING CENTER LOCATED ON ROOM 201 OF THE H&SS BUILDING. IF YOU NEED EXTRA ASSISTANCE ON ANY WRITING ASSIGNMENT FOR THIS OR ANY OTHER CLASS THAT YOU ARE TAKING, PLEASE TRY THE WRITING CENTER.

WRITING PORTFOLIO: ALSO REMEMBER THAT WRITTEN WORK THAT YOU COMPLETE FOR THIS CLASS CAN BE INCLUDED IN YOUR WRITING PORTFOLIO REQUIREMENT. FOR FURTHER INFORMATION ON THE WRITING PORTFOLIO REQUIREMENT, PLEASE CONSULT YOUR CURRENT USCA BULLETIN.

TENTATIVE LECTURE SCHEDULE

DATE	WEEK	TOPIC	CHAPTER
10 Jan	1	Introduction	*
13 15 18	2	Conservation Biology Biological Diversity Biological Diversity	1 2 2
20 22 24	3	Martin Luther King Holiday Where is Biological Diversity? Ecological Economics/Direct Economic Values	* 3 4
27 29 31**	4	Speaker Indirect Economic Values Indirect Economic Values	* 5 5
3 Feb 5 7	5	Ethical Values EXAM I Extinction	6 * 7
10 12 14	6	Extinction Vulnerability to Extinction Vulnerability to Extinction	7 8 8
17 19 20 21	7	Habitat Destruction, etc Habitat Destruction, etc LAST DAY TO DROP w/ "W" Overexploitation	9 9 * 10
24 26 28**	8	Problems of Small Populations Speaker Applied Population Biology	11 * 12
3 March 5 6	9	Establishing New Populations Ex Situ Conservation Strategies Establishing Protected Areas	13 14 15
10-14	10	SPRING BREAK...No Classes!!!!	*
17 19 21	11	Designing Networks of Protected Areas EXAM II Managing Protected Areas	16 * 17
24 26 28	12	Outside Protected Areas Restoration Ecology Restoration Ecology	18 19 19
31** 2 April 4	13	Speaker Conservation and Sustainable Development/Local and National Conservation and Sustainable Development/Local and National	* 20 20
7 9 11	14	Conservation and Sustainable Development/International Conservation and Sustainable Development/International/ Projects Due No Classes!!!!	21 21 *
14 16 18	15	Agenda for the Future Speaker CLASS PRESENTATIONS	22 * *
21 23 25	16	CLASS PRESENTATIONS CLASS PRESENTATIONS	* *
28** 29/30	17	CLASS PRESENTATIONS/ LAST CLASS Reading Days	
5 May **	18	EXAM III Monday 8 AM Last class day of the month, papers due!	

