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Fall 9-1-2001

WBIO 180.01: Careers in Natural Resources

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Objectives:

The purpose of this course is to introduce beginning students in natural resources to:

1. An overview of natural resources at multiple scales,
2. Major factors and philosophies influencing historic and current conditions and trends in natural resource conservation philosophy,
3. The major themes and concepts that integrate resource issues,
4. The variety of employment opportunities in natural resources and how to prepare for a professional career,
5. The educational and work requirements that make students competitive.

Textbooks:

Leopold, A. 1949. *A Sand County Almanac*. Oxford University Press.

Fischer, H. 1995. *Wolf Wars*. Falcon Press.

Course Grades will be based on the following proportions:

Midterm 1	0.30
Midterm 2	0.30
Final Exam	0.40

Pop quizzes for a total of five extra points will be given during the semester. Quiz points are valuable, and can best be assured by staying current with assigned readings and attending class!

<i>DATE</i>	<i>SCHEDULED TOPIC</i>	<i>SPEAKERS/READINGS</i>
4 September	Course introduction	Six/Pletscher Ch. 1-5, Fischer
6 September	Strategies for academic and employment success	Six Part 1 Leopold
11 September	Issues in natural resources	Six
13 September	Importance of the biological sciences	Six
18 September	Fire	Ron Wakimoto
20 September	Forest disturbances	Six
25 September	Soils	Tom DeLuca
27 September	Silviculture	John Goodbun
2 October	Review for Exam	Six
4 October	FIRST MID-TERM EXAM	
9 October	Water	Six Ch. 6 - 10, Fischer
11 October	Recreation	Bill Borrie Part II, Leopold
16 October	American resources & conservation history – Pre 20 th Century	Pletscher
18 October	American resources & conservation history – 20 th Century	Pletscher
23 October	Wildlife issues and careers	Pletscher
25 October	Wildlife issues and careers	Pletscher
30 October	Federal and state conservation agencies	Pletscher
1 November	Conservation and environmental ethics/Leopold's land ethic	Pletscher
6 November	Global warming /Review for Exam	Six/Pletscher
8 November	SECOND MID-TERM EXAM	
13 November	Ecosystem management	Six Part III, Leopold
15 November	GIS / Information technology	Lloyd Queen Ch. 11 – 14, Fischer
20 November	Social Sciences	Jim Burchfield
22 November	THANKSGIVING HOLIDAY	--
27 November	Private Conservation Organization/Trout Unlimited	Bruce Farling
29 November	Information and education	Ron Asaheim
4 December	Government Agency/MT Dept Fish, Wildlife and Parks	Mike Thompson
6 December	International Forestry	Steve Siebert
11 December	Water	Six
13 December	Review for Final	Pletscher/Bradley
December	FINAL EXAM:	