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Fall 9-2-2000

### FOR 180.01: Careers in Natural Resources

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**Careers in Natural Resources**  
**WBIO/FOR/RECM 180**  
**Fall 2000**

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Instructors:

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Office Hours: M, 4-5:00; Tu, 8-10:00; W, 3-5:00; Th, 8-10:00

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Teaching Assistant:

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Office Hours: Tu, 1-2:00; W, 8-9:00; F, 10-11:00

Objectives:

By the end of this course, students will:

1. Be able to describe the multiple scales at which natural resources are managed;
2. Understand the major factors and philosophies influencing resource conditions as well as recent trends in conservation philosophy;
3. Be able to describe the major themes and concepts that integrate resource issues;
4. Be cognizant of the variety of employment opportunities in natural resources and how to prepare for a professional career.

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:

Summary	0.10
Midterm 1	0.25
Midterm 2	0.30
Final Exam	0.35

## Scientific Journal Article Summary Assignment

Choose an article that interests you from one of the peer-reviewed scientific journals listed below. Summaries must be from articles published between 1995 and present. If you wish to use a journal other than one of those listed, you **MUST** get it okayed with one of the instructors. After reading the article thoroughly, summarize the important points. These should include: why the author(s) did the research, a little about their methods, and very importantly, the results and author's discussion of results and findings.

Make sure your summary is written in your own words! Do not use quotations. Plagiarism will result in failure in this class.

Summaries should be 1-2 pages long. Staple a copy of the original article to your summary when passing it in for grading. At the *top* of the page you should state your name, the title, the author's name(s), the journal name plus the year the article was published, the journal volume, and the article page numbers.

The summary is worth 10% of your grade so make a good effort. Grading: 60% of the points for this assignment will be for content, 40% will be for completeness, grammar, and spelling. **This assignment is due on October 24, 2000. Late summaries will be penalized 10% per day.**

### Acceptable Journals:

Journal of Wildlife Management  
Wildlife Society Bulletin  
Journal of Range Management  
Conservation Biology  
Journal of Forestry  
Journal of Leisure Research  
Mycologia  
Environmental Entomology  
Canadian Journal of Forest Research  
Journal of Forestry  
Jowra  
Soil and Water Conservation

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>
5 September	Course Introduction	Pletscher/Six - Ch. 1-5, Fischer
7 September	Strategies for Academic Success	Six - Part I, Leopold
12 September	Strategies for Employment Success	Six
14 September	Issues and Careers in Natural Resources	Six
19 September	American Resources & Conservation History - 20 <sup>th</sup> Century	Pletscher
21 September	American Resources & Conservation History - Pre-20 <sup>th</sup> Century	Pletscher
26 September	Wildlife Issues and Careers	Pletscher
28 September	Wildlife Issues and Careers	Pletscher
3 October	Discussion and Review for Exam	Pletscher/Six
5 October	<b>FIRST MID-TERM EXAM</b>	
10 October	Importance of Biology	Six - Ch. 6 - 10, Fischer
12 October	Forest Disturbances	Six - Part II, Leopold
17 October	Fire	Ron Wakimoto
19 October	Soils	Peter Kolb
24 October	Silviculture	Carl Fiedler
26 October	Use of Wood	Pletscher
31 October	Economics of the Wood Products Industry	Chuck Keegan
2 November	Discussion and Review for Exam	Six/Pletscher
7 November	<b>ELECTION DAY HOLIDAY - GO VOTE!</b>	
9 November	<b>SECOND MID-TERM EXAM</b>	
14 November	Conservation and Environmental Ethics	Pletscher - Part III, Leopold
16 November	Land Ethic	Pletscher - Ch. 11 - 14, Fischer
21 November	Recreation	Mike Patterson
23 November	<b>THANKSGIVING HOLIDAY</b>	
28 November	Social Science	Jim Burchfield
30 November	Information and Education	Ron Aasheim, FWP
5 December	Riparian Issues	Paul Hansen
7 December	Information Technology for Resource Assessment	Lloyd Queen
12 December	Ecosystem Management	Six
14 December	Discussion and Review for Final	Pletscher/Six
18 December	<b>FINAL EXAM, 10:10 - 12:10</b>	