

EVS 360
HUMAN DIMENSIONS OF NATURAL RESOURCE MANAGEMENT
SPRING SEMESTER 2011

CLASS SCHEDULE:	TR: 11:00AM – 12:15 PM
CLASSROOM:	FRIDAY HALL, Room 2052
INSTRUCTOR:	JOHN TAGGART, Ph.D.
OFFICE:	FRIDAY HALL, Room 2061
PHONE:	(910) 962-7909 (O)
OFFICE HOURS:	10:00 - 11:00 AM TR and BY APPOINTMENT
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COURSE DESCRIPTION:

Pre-requisite: EVS 195. The emphasis of this course is upon the relationships between natural resources and people who use and manage them. Upon completion of the course, you should have an in-depth understanding and experience in some of the management techniques utilized by natural resource agencies and the legislation that serves as the basis for these procedures.

RATIONALE:

The natural world does not exist in a vacuum -- humans are inextricably part of global ecosystems. It influences us just as much as we influence it. The resources of the earth are crucial to human survival, thus it would be impossible for us to sustain our world-wide population without the use of natural resources either for existence or enjoyment. For this reason the divergent ecosystemic, economic, political, and socio-cultural demands upon these resources are the sources of many conflicts. As these demands and resultant conflicts continue to grow in both number and scale, management becomes even more crucial. Therefore, as future professionals in environmental fields, it is important for each of you to comprehend the historical and legislative foundations of the human dimensions of natural resource management within both public and private domains.

OBJECTIVES:

Upon successful completion of this course, you will understand:

- history and evolution of human dimensions of natural resource management
- diversity of natural resource users and visitors
- various natural resource management philosophies
- principles of natural resource management
- natural resources of public lands and their management agencies
- current trends and issues in human dimensions of natural resource management

However, the topics that we will cover can be guided by you. If you have a particular interest, please feel free to bring it up. We can attempt to either spend time on it, if it is included among our scheduled topics, or encompass it if it is not. Remember, this course is for you, so by helping to guide our structure, you can obtain the most benefit and help to make it a better course.

TEXTBOOKS:

- Manning, R.E. (2007). Parks and carrying capacity. Washington, DC. Island Press.
- *All required readings are available on Blackboard*

COURSE REQUIREMENTS/GRADING:

- A. **Exams:** There will be four examinations in this course. Your lowest grade of the first two exams will be dropped. The three remaining exams are each worth 30% of your final grade. You must take all of the exams. Each test will be based upon application of material discussed during class plus assigned readings. The final exam will not be cumulative, but will require understanding of prior material.
- B. **Missed Exam:** If you have a legitimate excuse for missing an exam, you can take a make-up essay exam. Legitimate excuses include death in the family or severe (documented) illness. Excuses which are not legitimate include forgetfulness or oversleeping. To validate your excuse, you must provide your instructor with documentation (e.g., doctor's note). If your excuse is not legitimate, you will receive 0 points of the exam you missed. If you miss one of the first two exams, you will receive 0 for both.
- C. **Project:** There is one major project to be completed. It can be done either in groups of two or individually. A brief description is provided below; additional details will be discussed in class.

Natural resource management plan: You will be provided with a case study involving use conflicts in a resource-based area. In either a small group or as an individual, you will analyze this case and, using management planning processes that we have discussed in class (particularly VERP and LAC), develop a written management plan which you and/or your group believes will best resolve the use conflicts. Your grade will be based upon both the rationale and quality of your proposal. (10% of final grade).

- D. **Written Work:** Writing skills are one of the most important components of your professional communication skills. Your ability to present your thoughts clearly and concisely reflects not only on you, but upon your future employer as well. Therefore, to give you a head start, ground rules for written work in this class are:
1. All written work should be presented in a professional manner. One of the easiest ways to ensure this is to proofread your work. Even better is to have someone else read it. Information concerning the UNCW Writing Center is given at the end of this syllabus.

General sloppiness is easy to recognize and correct, but look deeper. Is your presentation complete? Is it well organized? Does it present the necessary information? Does it come to a logical conclusion? Overall, imagine that your employee just handed you the formal report that you have in your hand. As a manager, would you be satisfied with it?

2. All written assignments must be word processed on a computer and printed. **Handwritten and/or typed papers will not be accepted**
 3. Since you are already using a word processor, use the spell checker. Spelling errors will severely affect your grade, as will typos, hand corrections and other evidence of sloppiness.
 4. Grammatical errors in papers will negatively affect your grade too. However, problems in grammar are more involved, yet can frequently be resolved by a combination of perseverance and persistence. I will do my best to highlight areas that may need work when I see them. If your grammatical problems are severe, I may recommend assistance.
 5. All references and citations must follow **APA edition six** format.
- E. Late Assignment:** Assignments will be penalized 10% for each day late. Again, alternative arrangements may be made for legitimate, documented excuses. Please make every effort to contact your instructor beforehand if an emergency will interfere with your coursework.
- F. Classroom Performance:** One of my goals is to help prepare you for the profession you will enter, as opposed to merely providing an academic curriculum. As such, together, we are developing:
- professional knowledge
 - the ability to apply this knowledge in a professional manner
 - professional behavior

To this end:

1. Part of my job is to be a disseminator of information. But more importantly, I am here to help you understand and apply practical ideas and concepts related to the human dimensions of natural resource management. I will provide you with explanations, clarifications, guidance, and suggestions for further study. In other words, I am here to provide you with a basis for your own learning, and to direct you when needed. I will do my best to be clear, organized, and fair. **Lecture material will be presented only in class; no powerpoint programs will be given out or posted online.** You will be held responsible on exams for content from any video, DVD or guest lecture given during class time **and** all assigned readings posted on Blackboard.
2. Your responsibility is to participate actively in the educational processes by attending class sessions, being prepared and attentive, participating in activities, completing assignments on time, learning on your own beyond the class content, and expressing yourself creatively in your work. Participation makes the class more fun and interesting for everyone.

3. This course in many ways resembles what happens in everyday life. You are given an open-ended resource management assignment that does not have specific step-by-step instructions and then are expected to complete it within a specific time period. You have complete latitude in many areas of the assignment. This can be very empowering (and allows you to be creative), but it also can lead to confusion and/or procrastination. For this reason, it is critical that you ask questions.

G. Attendance: Since the class size is relatively small, I will take an informal roll (by sign-in sheet) during each class to help me resolve any issues of academic performance.

H. Classroom Distractions: Please turn off all cell phones before class; texting will not be allowed during class. Laptops can be used for taking lecture notes only.

I. Grading:

<p>There are 100 maximum points:</p> <p>3 exams (of 4) at 30 points each.....90 points</p> <p>Management Plan.....<u>10 points</u></p> <p>TOTAL.....100 points</p>	<p>Final letter grade by total points:</p> <p>A 93-100 pts.</p> <p>A- 90-92</p> <p>B+ 87-89</p> <p>B 83-86</p> <p>B- 80-82</p> <p>C+ 79-77</p> <p>C 73-76</p> <p>C- 70-72</p> <p>D+ 67-69</p> <p>D 63-66</p> <p>D- 60-62</p> <p>F 0-59</p>
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As instructor, I maintain the right to adjust grades as I see fit to maintain fairness and consistency.

POLICIES ON CONDUCT AND ACADEMIC INTEGRITY:

A. **Cell phone use (including texting) will not be tolerated in this class.** Please turn off your cell phone prior to class.

B. **All members of UNCW’s community are expected to follow the academic Honor Code.** Please read the UNCW Honor Code carefully (as covered in the UNCW Student Handbook). Academic dishonesty in **any** form will not be tolerated in this class.

C. **Please be especially familiar with UNCW’s position on plagiarism as outlined in the Student Handbook.** Plagiarism is a form of academic dishonesty in which you take someone else’s ideas and represent them as your own. Here are some examples of plagiarism:

a. You write about someone else’s work in your paper and do not give them credit for it by

referencing them.

- b. You give a presentation and use someone else's ideas and do not state that the ideas are the other persons.
- c. You get facts from your textbook or some other reference material and do not reference that material.

Any student determined to have violated academic integrity in completing her/his assignments, such as plagiarism, copying, or acquisition of materials from unauthorized sources, will be dismissed from the class and receive a grade of **"F"** for the course.

- D. **UNCW practices a zero tolerance policy for any kind of violent or harassing behavior.** If you are experiencing an emergency of this type contact the police at 911 or UNCW CARE at 962-2273. Resources for individuals concerned with a violent or harassing situation can be located at <http://www.uncw.edu/wsrc/crisis.html>.

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES:

Students with diagnosed disabilities should contact the Office of Disability Services (962-7555). Please give me a copy of the letter you receive from Office of Disability Services detailing class accommodations you may need.

WRITING ASSISTANCE:

The Writing Center is available to assist you with all of your writing needs at UNCW. Whether you need help planning a paper, revising a rough draft, or cleaning up a final draft, the Writing Center can help. Call 962-7857 or e-mail uls@uncw.edu to set up an appointment. The Writing Center recommends setting your appointment at least one week before the due date

TENTATIVE COURSE AGENDA AND ASSIGNMENTS:

Please note that this schedule is tentative. We will deviate from it in order to accommodate your interests, current events, the natural flow of the course and other related circumstances.

<i>Topics and Readings by Week</i>	<i>Assignments, exams, etc.</i>
Week 1 – January 13 <u>Introduction to the course: What is HDNRM?</u> Blackboard Articles (<i>in Italics</i>): <ul style="list-style-type: none">• <i>Assessing summer crowds</i>• <i>Conservation social science: What's in the black box?</i>• <i>Getting Alice through the door</i>• <i>Managing natural resources as social values</i>	

<ul style="list-style-type: none"> • <i>Training idiot savants</i> 	
<p>Week 2 – January 18 and 20</p> <p><u>Legal authority, structure and functions in HDNRM</u></p> <ul style="list-style-type: none"> • <i>Natural resources policy: management institutions and issues</i> • <i>Congressional preemption of state laws/regulations – exec. summary</i> • <i>How a bill becomes a law</i> 	<p>* January 19: Last day of drop/add without a grade</p>
<p>Week 3 – January 25 and 27</p> <p><u>Abbreviated history of HDNRM</u></p> <ul style="list-style-type: none"> • <i>Conservation and preservation of federal public resources: a history</i> • <i>Federal funding for conservation and recreation: The Land and Water Conservation Fund</i> 	
<p>Week 4 – February 1 and 3</p> <p><u>Sociological and psychological aspects of HDNRM</u></p> <ul style="list-style-type: none"> • <i>Coastal restoration: the role of social values</i> • <i>Society and natural resources: Chapter 24</i> • <i>Theory of reasoned action</i> <p><u>Economics of HDNRM</u></p> <ul style="list-style-type: none"> • <i>At what cost?</i> • <i>Conservation: An investment that pays</i> • <i>Economic valuation of natural resources, Chapter 2</i> • <i>Society and natural resources: Chapter 26</i> 	
<p>Week 5 – February 8 and 10</p> <p><u>Foundations of natural resource management planning</u></p> <ul style="list-style-type: none"> • <i>Jenson and Guthrie, Chapter 8</i> • <i>Protected area planning principles and strategies (pp. 1-8)</i> • <i>The role of adaptive management as an operational approach for resource management agencies</i> 	<p>* February 10: Exam 1</p>
<p>Week 6 – February 15 and 17</p> <p><u>Definition and classification of natural resources</u></p> <ul style="list-style-type: none"> • <i>Generalized natural resource management model</i> • <i>Guidelines for protected area management categories</i> • <i>ROS Framework</i> <p><u>Planning Frameworks</u></p> <ul style="list-style-type: none"> • <i>Manning: Introduction, Ch. 1 and Conclusion</i> 	

<p>Week 7 – February 22 and 24</p> <p><u>Safe minimum standard</u></p> <ul style="list-style-type: none"> • <i>Nescience and the safe minimum standard of conservation (pp. 1-6)</i> <p><u>Carrying capacity</u></p> <ul style="list-style-type: none"> • Manning: Chapter 2 • <i>Recreation carrying capacity</i> • <i>Biophysical carrying capacity</i> 	
<p>Week 8 – March 1 and 3</p> <p><u>Visitor and resource management</u></p> <ul style="list-style-type: none"> • Manning: Chapters 17 & 18 • <i>Managing wilderness creation use</i> • <i>Society and natural resources, Chapter 27</i> 	
<p>Week 9 – March 8 and 10</p> <p><u>Overview of management processes: VERP, LAC, and ROS</u></p> <ul style="list-style-type: none"> • <i>Crowd control</i> • <i>Limits of acceptable change: a framework for managing national protected areas</i> • <i>Visitor experience and resource protection: a framework for managing the carrying capacity of national parks</i> • <i>VERP cheat sheet</i> • <i>VERP framework in the NPS: rationale, status and direction</i> 	<p>*March 10: Exam 2</p> <p>*No classes March 15 & 17: spring break</p>
<p>Week 10 – March 22 and 24</p> <p><u>Application of VERP</u></p> <ul style="list-style-type: none"> • Manning: Chapters 3,4,5,6 and • <i>Arches VERP (as needed for project)</i> • <i>VERP handbook (as needed for project)</i> 	<p>*March 24: Management Plan Assignment</p>
<p>Week 11 – March 29 and 31</p> <p><u>Introduction of federal public lands</u></p> <ul style="list-style-type: none"> • <i>Federal land management agencies: summary, pp. 1-20, appdx. 1 & 2</i> <p><u>Wilderness</u></p> <ul style="list-style-type: none"> • <i>Federal land management agencies: pp. 58-63</i> 	<p>* March 31: Exam 3</p>

<p>Week 12 – April 5 and 7</p> <p><u>National trails system</u></p> <ul style="list-style-type: none"> • <i>Federal land management agencies: pp. 68-71</i> <p><u>Wild and Scenic Rivers System</u></p> <ul style="list-style-type: none"> • <i>Federal land management agencies: pp. 64-67</i> 	
<p>Week 13 – April 12 and 14</p> <p><u>National Park Service</u></p> <ul style="list-style-type: none"> • <i>Federal land management agencies: pp. 51-57</i> <p><u>Forest Service</u></p> <ul style="list-style-type: none"> • <i>Federal land management agencies: pp. 21-30</i> <p><u>Bureau of Land Management</u></p> <ul style="list-style-type: none"> • <i>Federal land management agencies: pp. 31-42</i> <p><u>Fish and Wildlife Service</u></p> <ul style="list-style-type: none"> • <i>Federal land management agencies: pp. 43-50</i> 	
<p>Week 14 – April 19</p> <p><u>Water Resource: Army Corps of Engineers, Bureau of Reclamation, Tennessee Valley Authority and the National Oceanic and Atmospheric Administration</u></p>	<p>*April 19: Management plan due</p> <p>*April 21: No Class – Good Friday holiday</p>
<p>Week 15 – April 26 and 28</p> <p><u>The roles of non-profits and NGOs; The Future of HDNRM</u></p> <ul style="list-style-type: none"> • <i>A new perspective on parks</i> • <i>Old players with new power: The nongovernmental organizations engaging private, commercial and non-profit sectors: NC case study</i> • <i>NC Horizon 2100</i> 	<p>*May 1: No Class</p>
<p>May 10: 11:30 – 2:30 AM</p>	<p>Exam 4</p>