

EVS 360 Human Dimensions of Natural Resource Management
Department of Environmental Studies • University of North Carolina Wilmington
Fall Semester 2009: TR 11:00 - 12:15 pm in Friday Hall 2052

“There are two things that are imperative if we are to meet the challenges of sustaining the biosphere: a new generation of leaders broadly trained in the natural, social, and policy sciences relevant to environmental management, and new knowledge about, and new approaches to, large-scale environmental challenges.” Gustave Speth.

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Welcome to EVS 360! This syllabus will answer some questions you may have concerning this course. It explains the material to be covered, what is expected of you and how you will be graded.

What will I learn?

The emphasis of the course is upon the relationships between natural resources and people who use and manage them. Upon completion of this course you should have an in-depth understanding of, as well as experience in some of the management techniques utilized by natural resource agencies and the legislation which is the basis for these processes.

What are the objectives of this course?

Upon successfully completing this course, you will understand:

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

However, the topics which we will cover in this course can be guided by you, as well. If you have a particular interest, bring it up. We can attempt to either spend more time on it, if it is included among our existing topics, or include it if it is not. Remember, this course is for you, so by helping to guide our structure, you can ensure you get the most out of it, as well as help to make this a better course.

Why should I take this course?

The natural world does not exist in a vacuum. Humans are an inextricable part of the natural world. It influences us just as much as we influence it (if not more!). The resources of the natural world are critical to human survival. It would be impossible for us to survive without the use of natural resources, either for existence or enjoyment. For this reason the divergent ecosystemic, economic, political and sociocultural demands upon these resources are the source of many conflicts. As these demands, and resultant conflicts, continue to grow in both quantity and scope, management becomes ever more critical. Therefore, as future professionals in the environmental field(s), it is important for each of you to understand the historical and legislative foundations of the human dimensions of natural resource management, as well as contemporary techniques for management.

What is the prerequisite?

- EVS 195 Introduction to Environmental Studies

What textbooks will I need?

- Manning, R. E. (2007). *Parks and carrying capacity*. Washington, DC: Island Press.
- Additional readings are available on the Blackboard site for this course: <http://ncvista.blackboard.com/>

Course web site

We will use Blackboard for the course syllabus, grades and supplementary readings. You can access the Blackboard site for this course at <http://ncvista.blackboard.com/>

What about attendance?

Attendance is essential to mastering the course material since there is little redundancy between the readings and in-class discussion. Nonetheless, as I'm sure you understand relationship between attendance and academic performance, no formal attendance will be taken. I will, however, take roll in each class. This information can help me resolve issues of academic performance.

How many exams will there be?

There will be four exams in the course. The 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. All exams will be based upon application of material discussed during class, as well as readings. The final exam will not be cumulative but will require understanding of prior material.

What should I do if I must be absent for an 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 legitimize your excuse, you must provide your instructor with documentation (e.g. doctor's note). If your excuse is not legitimate, you get 0 points for the exam you missed. If you miss one of the first two exams, you will receive a 0 for both. Make every effort to contact me beforehand so that I know you will be absent.

Will I do any projects?

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

What if I turn in an assignment late?

Assignments are penalized 10% for every day that they are late. 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.

What do I need to know about being prepared for the classroom?

One of my goals is to help prepare you for the profession into which you will be entering, as opposed to providing a purely academic curriculum. As such, together, we are developing professional knowledge, the ability to apply this knowledge in a professional capacity, and professional behavior. To this end:

1. I am here to help you understand and apply practical 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 direct you when needed. I will do my best to be clear, organized and fair.
2. Your responsibility is to participate actively in the educational process 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 much more fun and interesting for everyone.
3. This course in many ways resembles what happens in the "real world." You are given an open-ended resource management assignment which 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 allow you to be creative), but it can also lead to confusion and/or procrastination. For this reason, it is critical that you ask questions if you are unclear, and most especially, that you stay on task.
4. 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. Be especially familiar with UNCW's position on plagiarism as outlined in the UNCW 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 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.
5. Students with diagnosed disabilities should contact the Office of Disability Services. Please give me a copy of the letter you receive from Office of Disability Services detailing class accommodations you may need. If you require accommodation for test-taking please make sure I have the referral letter no less than one week before the test.
6. 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>.

What will my grade be based upon?

There are 100 possible points:

3 exams (of 4) at 30 points each 90 pts.
Management plan 10 pts.
Total 100 pts.

*As instructor, I maintain the right to adjust grades
as I best see fit in order to maintain fairness and
consistency.*

Final letter grade by total points:

A 93 - 100 pts.
A- 90 - 92
B+ 87 - 89
B 83 - 86
B- 80 - 82
C+ 77 - 79
C 73 - 76
C- 70 - 72
D+ 67 - 69
D 63 - 66
D- 60 - 62
F 0 - 59

Tentative EVS 360 Schedule

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, and notes</i>
<p>Week 1 – August 20</p> <p>Introduction to the course: What is HDNRM?</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Assessing the summer crowds</i> • Electronic reserve: <i>Managing natural resources as social values</i> • Electronic reserve: <i>Getting Alice through the door</i> • Electronic reserve: <i>Training idiot savants</i> • Electronic reserve: <i>Conservation social science: What's in the black box?</i> 	
<p>Week 2 – August 24</p> <p>Legal authority, structure and functions in HDNRM</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Natural resources policy: Management, institutions, and issues</i> • Electronic reserve: <i>Congressional preemption of state laws and regulations - executive summary</i> • Electronic reserve: <i>How a bill becomes law(website)</i> 	<ul style="list-style-type: none"> • August 28: Last day to drop without a grade or add
<p>Week 3 – August 31</p> <p>Abbreviated history of HDNRM</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Conservation and preservation of federal public resources: A history</i> • Electronic reserve: <i>Federal funding for conservation and recreation: The Land and Water Conservation Fund</i> 	
<p>Week 4 – September 7</p> <p>Sociological and psychological aspects of HDNRM</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Coastal restoration: The role of values</i> • Electronic reserve: <i>Society and Natural Resources: Ch. 24, 31</i> <p>Economics of HDNRM</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Economic valuation of natural resources: Ch. 2</i> • Electronic reserve: <i>Society and Natural Resources: Ch. 26</i> • Electronic reserve: <i>At what cost?</i> • Electronic reserve: <i>Conservation: An investment that pays (pp. 16-21)</i> 	
<p>Week 5 – September 14</p> <p>Foundations of natural resource management planning</p> <ul style="list-style-type: none"> • Jensen & Guthrie: Ch. 8 • Electronic reserve: <i>Protected area planning principles and strategies (pp. 1-8)</i> • Electronic reserve: <i>The role of adaptive management as an operational approach for resource management agencies</i> 	<ul style="list-style-type: none"> • September 15: Exam 1 review • September 17: Exam 1
<p>Week 6 – September 21</p> <p>Definition and classification of natural resources</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Guidelines for protected area management categories</i> <p>Planning frameworks</p> <ul style="list-style-type: none"> • Manning: Introduction, Ch. 1, Conclusion 	
<p>Week 7 – September 28</p> <p>Safe Minimum Standard</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Nescience and the safe minimum standard of conservation (pp. 1-6)</i> <p>Carrying Capacity</p> <ul style="list-style-type: none"> • Manning: Ch. 2 • Electronic reserve: <i>Recreation carrying capacity</i> 	
<p>Week 8 – October 5</p> <p>Visitor and resource management</p> <ul style="list-style-type: none"> • Manning: Ch. 17, 18 • Electronic reserve: <i>Society and Natural Resources: Ch. 27</i> 	<ul style="list-style-type: none"> • October 6: No class- Fall vacation • October 8: Last day to withdraw with a W
<p>Week 9 – October 12</p> <p>Overview of management processes: VERP, LAC and ROS</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Crowd control</i> • Electronic reserve: <i>Visitor Experience and Resource Protection: A framework for managing the carrying capacity of national parks</i> • Electronic reserve: <i>Limits of acceptable change: A framework for managing national protected areas</i> • Electronic reserve: <i>VERP Framework in the NPS: Rationale, current status, and future direction</i> 	<ul style="list-style-type: none"> • October 13: Exam 2 review • October 15: Exam 2

<p>Week 10 – October 19</p> <p>Application of VERP</p> <ul style="list-style-type: none"> • Manning: Ch. 3, 4, 5, 6, 19 • Electronic reserve: <i>Arches VERP (as needed for project)</i> • Electronic reserve: <i>VERP handbook (as needed for project)</i> <p>Management case studies</p> <ul style="list-style-type: none"> • Manning: Ch. 10,15,16 	
<p>Week 11 – October 26</p> <p>Introduction to federal public lands</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Federal Land Management Agencies: Summary, pp. 1-20, Appendices 1 & 2</i> <p>Wilderness</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Federal Land Management Agencies: pp. 58-63</i> 	
<p>Week 12 – November 2</p> <p>National Trails System</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Federal Land Management Agencies: pp. 68-71</i> <p>Wild and Scenic Rivers System</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Federal Land Management Agencies: pp. 64-67</i> 	<ul style="list-style-type: none"> • November 3: Exam 3 review • November 5: Exam 3
<p>Week 13 – November 9</p> <p>National Park Service</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Federal Land Management Agencies: pp. 51-57</i> <p>Forest Service</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Federal Land Management Agencies: pp. 21-30</i> <p>Bureau of Land Management</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Federal Land Management Agencies: pp. 31-42</i> <p>Fish and Wildlife Service</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Federal Land Management Agencies: pp. 43-50</i> 	
<p>Week 14 – November 16</p> <p>Water resources: Army Corps of Engineers, Bureau of Reclamation and the National Oceanic and Atmospheric Administration</p> <ul style="list-style-type: none"> • Jensen & Guthrie: pp. 185-190, 192-193 <p>The role of state agencies (North Carolina)</p> <ul style="list-style-type: none"> • Electronic reserve: <i>NC SCORP, Ch. III pp. 1-8 (State Parks, Natural and Scenic River System, Trails System, and Natural Heritage Program), 10-12 (NERR and Educational State Forests), 13-14 (Wildlife Resources Commission)</i> 	<ul style="list-style-type: none"> • November 17: Management plan due
<p>Week 15 – November 23</p> <p>The role of non-profits and NGOs</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Old players with new power: The nongovernmental organizations</i> <p>Engaging the private, commercial and non-profit sectors: North Carolina as a case study</p> <ul style="list-style-type: none"> • Electronic reserve: <i>Horizon 2100</i> 	<ul style="list-style-type: none"> • November 26: No class- Thanksgiving vacation
<p>Week 16 – November 30</p> <p>Issues in HDNRM: Past, present and future</p> <ul style="list-style-type: none"> • Electronic reserve: <i>A new perspective on parks</i> 	<ul style="list-style-type: none"> • December 1: Final exam review
<p>Final Exam: Tuesday, December 8 from 11:30 am - 2:30 am</p>	