

***EVS 540***  
***FOUNDATIONS OF ENVIRONMENTAL MANAGEMENT***  
***SPRING SEMESTER 2011***

CLASS SCHEDULE: M&W: 5:00 – 6:15 PM  
CLASSROOM: Friday Hall; Room 2052  
INSTRUCTOR: JOHN TAGGART, Ph.D.  
OFFICE: Friday Hall; Room 2061  
PHONE: (910) 962-7909 (O)  
OFFICE HOURS: 4:00 – 5:00PM M&W and BY APPOINTMENT  
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**COURSE DESCRIPTION:**

Pre-requisite: EVS 501. The emphasis of this course is upon the relationships between natural resources and the institutions and individuals that use and manage them. Upon completion of the course you should have a comprehensive understanding of environmental management issues, pertinent regulatory systems, and techniques/technologies utilized in the United States and other countries.

**OBJECTIVE:**

The course is intended to give students an understanding of current environmental issues as they relate to managerial decisions in the areas of marketing, production, general management, and strategic planning. The course focuses on such issues as coastal development, wastes and recycling, air quality, water quality, biodiversity, and sustainable economic growth.

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.

**SOURCE REFERENCES (purchase not required):**

- Buchholz, R.A. 1998. *Principles of Environmental Management: the Greening of Business*. 2<sup>nd</sup> Edition. Prentice Hall. Upper Saddle River, NJ.
- Friedman, F. 2006. *Practical Guide to Environmental Management*, 10th ed., Environmental Law Institute. Washington, DC.
- O'Leary, R., Durant, R., Fiorino, D. and P. Weiland. 1999. *Managing for the Environment*. Jossey-Bass Publishers. San Francisco, CA.
- Sheldon, C. and M. Yoxon. 2006. *Environmental Management Systems: a step-by-step guide to implementation and maintenance*. EarthScan. London, UK.

**COURSE REQUIREMENTS/GRADING:**

- A. **Exams:** There will be two examinations in this course, a mid-term and final. These will have a combination of written and objective questions. You must take both exams. Each test will be based upon application of material from guest presentations, lectures, and assigned readings. The final exam will not be cumulative, but will require understanding of prior material.

**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 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 for the exam you missed. If you miss one of the two exams, you will receive 0 for both.

**Research Paper:** To be prepared individually; 12-15 pages in length with use of journal/book quality sources is expected. Only four internet references will be permitted. **References and citations will be in APA edition six format. A meeting with me or e-mail communication to discuss the title/subject of the paper must be completed by February 23. Final paper is due on May 9.**

- C. **New York Times Article Reviews.** Each student is required to complete **two** *New York Times* article reviews. Contact <http://www.nytimes.com> and follow the instructions for a free on-line subscription. Review articles dealing with U.S. policies and practices on issues relating to the environment. These articles frequently discuss who the policies impact and the consequences they have on different groups. After selecting each article, send me a preliminary e-mail message, attaching a Microsoft Word or Word Perfect file containing the following information based on the article:

- date and page number of article;
- summary of the policy, program, or issue discussed in the article;
- direct impacts of the policy, program, or issue (focus on *who is specifically targeted for impact*); and
- indirect impacts of the policy, program, or issue (focus on *who is tangentially targeted*).

After you receive approval for each article, send the final article review by e-mail according to the following schedule:

- **The first article review is due to me via e-mail by March 21.**

• **The second article review is due to me via e-mail April 11.**

- D. Assigned Readings and Discussions:** A series of readings and websites related to weekly topics are found on Blackboard. There will be weekly discussions concerning this information.
- F. 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 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 frequently can 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**.
- G. Late Assignment:** Assignments will be penalized 10% (one full grade) 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.
- H. 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 environmental 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.

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 can also lead to confusion and/or procrastination. For this reason, it is critical that you ask questions.

**I. Attendance:** Attendance is expected in this class. You will be allowed two (2) unexcused absences without penalty. Absences beyond two will result in a deduction of 3 points from your final grade per absence. Six (6) or more absences will result in an “F” for the course.

**J. Grading:**

There are 100 maximum points:

2 exams at 25 points each.....	50 points
Term Paper.....	20 points
Article Review Papers (5 each).....	10 points
Class Participation.....	<u>20 points</u>
<b>TOTAL.....</b>	<b>100 points</b>

Final letter grade by total points:

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

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

**POLICIES ON CONDUCT AND ACADEMIC INTEGRITY:**

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

**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.

**Please be especially familiar with UNC-W'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 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.

**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](mailto: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. All materials are available on Blackboard for this class.*

<i>Topics and Readings by Week</i>	<i>Assignments, exams, etc.</i>
<b>Week 1 – January 12</b> <u>Introduction to the course: Environmental Concerns</u>	

<p><b>Week 2 – January 19</b></p> <p><u>Ecological Perspective / Environmental Ethics</u></p> <ul style="list-style-type: none"> <li>• “Toward a New Consciousness: Values to Sustain Human and Natural Communities” by Leiserowitz and Fernandez</li> </ul>	<p><b>* No Class January 17: MLK Holiday</b></p> <p>* January 19: Last day of drop/add without a grade</p>
<p><b>Week 3 – January 24 and 26</b></p> <p><u>Policy Formulation and Implementation</u></p> <ul style="list-style-type: none"> <li>• “The Impact of Scientific Information on Ecosystem Management” by van Wyk et al.</li> <li>• “Defining Precaution” by Weiss</li> </ul>	
<p><b>Week 4 – January 31 and February 2</b></p> <p><u>Land Use / Environmental Planning</u></p> <ul style="list-style-type: none"> <li>• “Users’ Perception as a Tool to Improve Urban Beach Planning and Management” by Cervantes et al.</li> <li>• New Hanover County Land Use Plan (2006): pp. 31-34, 61-82</li> </ul>	
<p><b>Week 5 – February 7 and 9</b></p> <p><u>Air Quality / Climate Change</u></p> <ul style="list-style-type: none"> <li>• “Views on Climate Change” by Dunlop and McCright</li> <li>• “An Integrated Framework for Multi-pollutant Air Quality Management and Its Application in Georgia” by Cohan et al.</li> </ul>	
<p><b>Week 6 – February 14 and 16</b></p> <p><u>Water Quality</u></p> <ul style="list-style-type: none"> <li>• “Headwater Influences on Downstream Water Quality” by Dodds and Oakes</li> <li>• “Reducing Nonpoint Source Pollution Through Collaboration” by Hardy and Koontz</li> <li>• “Groundwater: A Tale of Two Settings” by Clark</li> </ul>	
<p><b>Week 7 – February 21 and 23</b></p> <p><u>Pesticides and Toxic / Hazardous Substances</u></p> <ul style="list-style-type: none"> <li>• “Chemicals in Household Products: Problems with Solutions” by Clegg and Richards</li> <li>• “Managing the Use of Copper-Based Antifouling Paints” by Srinivasan and Swain</li> </ul>	
<p><b>Week 8 – February 28 and March 2</b></p> <p><u>Waste Management</u></p> <ul style="list-style-type: none"> <li>• “The Value-Action Gap in Waste Recycling” by Chung and Leung</li> <li>• “Municipal solid waste characterizations and management strategies” by Chang and Davila</li> <li>• “An Evaluation of Techniques to Control Problem Bird Species on Landfill Sites” by Cook et al.</li> </ul>	

<p><b>Week 9 – March 7 and 9</b></p> <p><u>Deforestation and Biodiversity Loss</u></p> <ul style="list-style-type: none"> <li>• “Threatened and Endangered Species: At What Cost?” by Henderson and Smith</li> <li>• “Analyzing the Impacts of Dams on Riparian Ecosystems” by Braatne et al.</li> </ul>	<p><b>Mid-term Exam: March 9</b></p> <p><b>No classes on March 14 &amp; 16: spring break</b></p>
<p><b>Week 10 – March 21 and 23</b></p> <p><u>Coastal and Wetlands Protection</u></p> <ul style="list-style-type: none"> <li>• “The U.S. Hurricane Coasts” by Cutter et al.</li> <li>• “Sea Level Rise Research and Dialogue in North Carolina” by Poulter et al.”</li> </ul>	<p>First NY Times review due on 3/11</p>
<p><b>Week 11 – March 28 and 30</b></p> <p><u>Roles of Environmental Non-Profits / NGOs</u></p> <ul style="list-style-type: none"> <li>• <a href="http://www.greenbiz.com/files/document/O16F15223.pdf">http://www.greenbiz.com/files/document/O16F15223.pdf</a></li> <li>• <a href="http://jpart.oxfordjournals.org/cgi/content/full/mum022">http://jpart.oxfordjournals.org/cgi/content/full/mum022</a></li> </ul>	
<p><b>Week 12 – April 4 and 6</b></p> <p><u>Working within your Organization</u></p> <ul style="list-style-type: none"> <li>• <a href="http://www.commondreams.org/news2008/0325-03.htm">http://www.commondreams.org/news2008/0325-03.htm</a></li> <li>• <a href="http://findarticles.com/p/articles/mi_m1594/is_n5_v4/ai_13287077">http://findarticles.com/p/articles/mi_m1594/is_n5_v4/ai_13287077</a></li> <li>• <a href="http://pwp.lincs.net/sanjour/Endangered.htm">http://pwp.lincs.net/sanjour/Endangered.htm</a></li> </ul>	<p>Second NY Times review due on 4/4</p> <p>April 6: Last day to withdraw with “W”</p> <p><b>No class on April 6</b></p>
<p><b>Week 13 – April 11 and 13</b></p> <p><u>Working with Stakeholders and the Public</u></p> <ul style="list-style-type: none"> <li>• “Stakeholder Involvement in Environmental Decision Making” by Culbreth et al.</li> <li>• “Stakeholder Perceptions of Scientists” by Weible</li> </ul>	
<p><b>Week 14 – April 18 and 20</b></p> <p><u>Environmental Assessment / Documentation</u></p> <ul style="list-style-type: none"> <li>• “A Framework for Fully Integrating Environmental Assessment” by Cornier and Suter</li> <li>• Chapter 11, <i>Practical Guide to Environmental Management</i> by Friedman</li> </ul>	
<p><b>Week 15 – April 25 and 27</b></p> <p><u>ISO 14001 / Standards of Practice / Sustainability</u></p> <ul style="list-style-type: none"> <li>• <a href="http://www.usistf.org/download/ISMS_Downloads/ISO14001.pdf">http://www.usistf.org/download/ISMS_Downloads/ISO14001.pdf</a></li> <li>• <a href="http://www.iso.org/iso/management_standards.htm">http://www.iso.org/iso/management_standards.htm</a></li> </ul>	<p><b>No Class on May 1</b></p>
<p><b>Second Exam – May 9 (3-6PM)</b></p>	<p><b>May 9 Research Paper due</b></p>