Course: ECO 380 Environmental and Natural Resource Economics (3:3)
MWF 1:00pm-1:50 in Bryan 202

Prerequisites: ECO 201; or permission of instructor

Instructor Information: Prof. Stephen P. Holland
Email: sphollan@uncg.edu
Office Hours: Wed. 9:30-10:30am in Bryan 458 or booked with https://holland-uncg-econ.youcanbook.me/

Course Description: This course applies the tools of economics to analyze questions about natural resource usage and the environment. You will learn the concepts through: writing, working problems, manipulating models, playing games, visiting environmental sites, doing mathematics, drawing graphs, describing economic processes, graphing with MS Excel, and researching current policies on the internet.

Course Learning Outcomes:
- Market efficiency: How competitive markets with supply and demand can allocate most resources to the uses with their highest value for society.
- External costs: How pollution (and other external costs) lead to a market failure such that markets do not allocate resources to the highest value use.
- Benefit-cost analysis: How society can use benefit-cost analysis to guide interventions in a market economy.
- Some current energy and environmental issues and policies: How the U.S. currently addresses energy and environmental issues such as energy use, climate change, air pollution, and environmental risk with a focus on economic instruments such as environmental taxes and cap-and-trade.

Required Course Materials:

Energy Economics (Routledge Textbooks in Environmental and Agricultural Economics Book 9) by Peter M. Schwarz

Attendance Policy: Regular attendance in class is necessary for mastering this material. Graded work in class cannot be made up and can only be excused if the absence is excused.

According to university policy, acceptable excuses for absence include a death in the family, a serious illness documented by a physician, a religious holiday, and a University-sponsored event. Excused absences should be requested and approved by email by the instructor before the date of absence. Any absence without a prior approval by email by the instructor will be counted as an unexcused absence. Please notify the instructor of the reasons for any excused or unexcused absence.

Grading: Course grades are based on the following grading opportunities and weights:
- In-class and Homework 15%
- Writing Project 25%
- Midterm Exam 1 15%
Midterm Exam 2  20%
Final Exam  25%

In-class work may include group work, informal writing, and class discussions. Homework assignments will be due at the start of class.

Course grades are assigned based on the following percentage of weighted total points:

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<tr>
<th>Grade</th>
<th>Percentage Range</th>
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<tbody>
<tr>
<td>A</td>
<td>93% to 100%</td>
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<td>A-</td>
<td>90% to 93%</td>
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<td>B+</td>
<td>86% to 90%</td>
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<td>B</td>
<td>83% to 86%</td>
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<td>80% to 83%</td>
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<td>C+</td>
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<td>C</td>
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<td>66% to 70%</td>
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<td>63% to 66%</td>
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<td>D-</td>
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<td>F</td>
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Grades are calculated directly in Canvas and are not rounded up. An average of 89.999% is a B+. An average of 90.000% is an A-. The grades reported in Canvas are the best estimate of your current performance. Be sure that all scores in Canvas are correct.

**Exams:** The course has two midterm exams and a cumulative final exam. The final exam is during the scheduled time for the final exam. The exams use a variety of assessment measures to provide an opportunity to demonstrate your mastery of the material.

**Extra credit:** Students may earn extra credit by completing extra-credit “projects”. Extra credit is a privilege, which must be earned by conscientious work in class. Students should pre-approve by email any extra-credit projects. An example of an extra-credit project is attending a presentation related to the course and summarizing the event. Projects should be submitted promptly, and late submissions may be discounted. All extra credit projects are due by Reading Day.

**Office hours and tutoring:** You can attend office hours singly or in groups. Office hours are most productive when you come prepared with specific questions. To sign up for office hours, go to the webpage: [https://holland-uncg-econ.youcanbook.me/](https://holland-uncg-econ.youcanbook.me/) The webpage will allow you to access my calendar and sign up for a time slot.

Many students benefit from tutoring. You can request a tutor through the “Student Success Center” [http://success.uncg.edu/](http://success.uncg.edu/) or through the Economics Department. Group study session for review will be scheduled before exams.

**Group Work:** You are encouraged to work together in groups. You may work together on assignments for class, but all submitted work must be your own.

**Student Expectations:** Mastering complex material requires you to be actively involved in the learning process. Studies show that students who are active participants in the classroom and who complete assignments learn more and get significantly higher grades than do...
students who are only passively involved. As a result, it is important that you:
1. Read the textbook before class.
2. Take notes and actively participate in class.
3. Review your notes from class and reread the textbook.
4. Complete all assignments.

Students are responsible for all materials presented in class and for all assigned materials.

**Academic Integrity Policy**: Each student is required to sign the Academic Integrity Policy on all major work submitted for the course. Refer to the following URL: https://osrr.uncg.edu/academic-integrity/ or the UNCG Undergraduate Bulletin/Graduate Bulletin or: http://sa.uncg.edu/dean/

In addition, the Bryan School Faculty Assembly and the Bryan School Student Advisory Council have adopted a set of *Faculty and Student Guidelines* that defines expected behavior for both faculty and student. For more information about these *Guidelines* consult: http://bae.uncg.edu/students-resources/

**Accommodations**: UNCG seeks to comply fully with the Americans with Disabilities Act (ADA). Students requesting accommodations based on a disability must be registered with the Office of Accessibility Resources and Services (OARS) in 215 Elliott University Center, 334-5440, oars.uncg.edu.

Students may request accommodations for religious holidays under applicable laws. See https://catalog.uncg.edu/academic-regulations-policies/university-policies/ for more information.

Students should remind the instructor in advance when accommodation affects course activities, e.g., before taking exams, to ensure that the instructor has updated systems accordingly.

**Health and Wellness**: Your health impacts your learning. Throughout your time in college, you may experience a range of health issues that can cause barriers to your learning. These might include physical ailments, illnesses, strained relationships, anxiety, high levels of stress, alcohol/drug problems, feeling down, or loss of motivation. Student Health Services and The Counseling Center can help with these or other issues you may be experiencing. You can learn about the free, confidential mental health services available on campus by calling 336-334-5874, visiting the website at https://shs.uncg.edu/ or visiting the Anna M. Gove Student Health Center at 107 Gray Drive. Help is always available.

**Electronic Devices**: Each student must have access to a computer outside class and may want access to a laptop during class. Laptops may NOT be used for typing class notes during class. You will need a laptop for in-class exams. Laptops can be checked out from the UNCG Library.

Electronic devices may be used only when indicated by the instructor. Inappropriate use of electronic devices such as surfing the web, instant messaging, having your cell phone or pager on, texting others, playing online or computer games, or checking email during class is prohibited. Violations of this policy will result in the student being asked to leave class and the absence being considered unexcused.