

ENSP 2000-004 SPRING 2021

INTRODUCTION TO ENVIRONMENTAL SCIENCE
AND POLICY/ONLINE SYNCHRONOUS

Course Syllabus

CLASS TIMES AND LOCATIONS:

Tuesdays & Thursdays: 11:00 am – 12:15 pm; online synchronous.

INSTRUCTOR:

Dr. Minory Nammouz

Office: 437 Brackett Hall

E-mail: mnammou@clemson.edu

VIRTUAL OFFICE HOURS:

If the following time does not fit your schedule, please email me to set up an appointment at a different time.

Wednesday: 10:00am – 11:00am

Zoom Link to office hours:

<https://clemson.zoom.us/j/91493546074?pwd=TzB5OGw3Z2JlTzJVdE41T28wdjJHQT09>

COURSE DESCRIPTION

Basic principles of environmental science, including ecology, energy, resources, waste management; and air, water, and soil pollution. Consideration of issues, specific cases, investigative approaches, and remedial actions. Preq or concurrent enrollment: Any course that satisfies the *Natural Science with a Lab* General Education requirement. See the Undergraduate Announcements for current listing of courses.

GENERAL EDUCATION COMPETENCY: This course fulfills the general education competency of Math/Natural Science, in addition to Science and Technology in Society as evidenced in students' final project.

COURSE LEARNING OUTCOMES

- Develop analytical and critical thinking about environmental issues.
- Gain appreciation and understanding of the discipline of environmental science.
- Gain experience in the practical application of science to real-life problems and to do so with topics that generally are of personal interest and societal importance.
- Provide an adequate foundation in environmental science content that will enable students to incorporate knowledge gained in their daily lives.

CT² LEARNING OUTCOMES

This section of ENSP 2000 designated at a Clemson Thinks2 Critical Thinking Seminar. This class is intended to help you in developing critical thinking skills and to be actively participant in environmental decision making. Environmental science in an interdisciplinary field, in this class you will analyze how core science is involved in understanding environmental problems, and how social factors can lead to environmental controversies. In addition, you will synthesize alternative solutions to environmental challenges that are most

often multi-dimensional and include many factors such as economic, social, political, human health and more. Moreover, you will practice communicating your ideas effectively in writing and discussions forms.

List of outcomes:

- Explore contemporary issues and challenges related to the environment by using critical and creative thinking to understand, formulate, or apply ethical responses.
- Demonstrate critical thinking skills in relation to environmental affairs
- Demonstrate an ability to integrate the many disciplines and fields that intersect with environmental concerns.
- Synthesize environmental issue by understand and applying the scientific method, hypothesis formation and testing.
- Communicate ideas clearly in verbal and written modes as appropriate for public or professional science audiences, by referring to professional resources.

CT² outcomes will be evident in students written papers, group and class discussions, and in final project as described in the tentative course schedule.

TEXTBOOKS AND OTHER MATERIALS:

- Modified Mastering w/ etext for Environment and You 3e access code
ISBN **9780134838755**
- For those students that want a physical text
- Loose leaf Environment and You 3e w/ Modified Mastering w/ etext access code
ISBN **9780135159897**
- Laptop

ONLINE ACCESS:

- **Canvas:** Canvas is the course management system that is used for this course. Login into Canvas using your Clemson University user ID and password. Once in Canvas select “ [S2101-ENSP-2000-004-18885](#)” to access the course components.

Please note: this is the student responsibly to check for possible course announcements on Canvas and or CU email at least once a day.

MyLab and Mastering Environmental Science: MES is an online teaching platform that is used for this course assignments, please log into Canvas then click on “MyLab and Mastering” and follow registration directions.

Grading Policy:

Your course grade will be determined based upon the total number of points you earn this semester. Each area of evaluative assessment will contribute as follows.

Homework/Classwork assignments	22%
Final project	12%
Final paper	8%
Peer evaluation	3%
Three Exams	55%
TOTAL	100%

Grades are assigned based upon your final percentage of points earned:

90-100%: A 80-89.9%: B 70-79.9%: C 60-69.9%: D 59.9% and below: F

TIME STUDENTS WAIT FOR PROFESSOR ARRIVAL:

Students may leave after 20 minutes if the professor or a guest lecturer does not open Zoom meeting in that time.

ATTENDANCE POLICY:

Attendance to synchronous meetings is required, most of the assignments will be completed during class time, missing any of the assignments for unexcused absence will result in a zero grade. Excused absences include documented illness, official university functions, court attendance, religious observances, military duty, and funeral attendance. Written documentation is required for the absence to be excused.

Students are responsible for all missed assignments and announcement made during their absence.

Specific COVID-19 related information for student absences:

For a student who reports testing positive and cannot participate in synchronous meetings due to the illness, they can use the Notification of Absence form in Canvas to initiate this notification, which can be found under the “Help” button on the left navigation. Additional communication via email is encouraged; students should follow up with the instructor to develop a continued plan of study.

In the case of inclement weather:

Any exam that was scheduled at the time of a class cancellation due to inclement weather, University power outage, etc. will be given at the next class meeting unless contacted by the instructor. Any assignments due at the time of a class cancellation due to inclement weather will be due at the next class meeting unless the instructor contacts students.

E-MAIL CORRESPONDENCE:

The instructor will respond to all inquiries, questions and other electronic correspondence within 48 hours. All e-mail messages from the instructor will be sent to the students Clemson e-mail address.

ACADEMIC INTEGRITY STATEMENT:

“As members of the Clemson University community, we have inherited Thomas Green Clemson’s vision of this institution as a ‘high seminary of learning.’ Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.”

All work submitted for a grade must be your own, unless group work is assigned. All text included in assignments that was written by someone other than the student must be correctly quoted and cited.

STUDENTS ACCESSIBILITY:

Clemson University values the diversity of our student body as a strength and a critical component of our dynamic community. Students with disabilities or temporary injuries/conditions may require accommodations due to barriers in the structure of facilities, course design, technology used for curricular purposes, or other campus resources. Students who experience a barrier to full access to a class should let the professor know, and make an appointment to meet with a staff member in Student Accessibility Services as soon as possible. You can make an appointment by calling 864-656-6848 or by emailing studentaccess@lists.clemson.edu. Students who receive Academic Access Letters are strongly encouraged to request, obtain and present these to their professors as early in the semester as possible so that accommodations can be made in a timely manner. It is the student’s responsibility to follow this process each semester. You can access further information here:

<http://www.clemson.edu/campus-life/campusservices/sds/>.

TITLE IX POLICY:

Clemson University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender, pregnancy, national origin, age, disability, veteran's status, genetic information or protected activity (e.g., opposition to prohibited discrimination or participation in any complaint process, etc.) in employment, educational programs and activities, admissions and financial aid. This includes a prohibition against sexual harassment and sexual violence as mandated by Title IX of the Education Amendments of 1972. The University is committed to combatting sexual harassment and sexual violence. As a result, you should know that University faculty and staff members who work directly with students are required to report any instances of sexual harassment and sexual violence, to the University's Title IX Coordinator. What this means is that as your professor, I am required to report any incidents of sexual harassment, sexual violence or misconduct, stalking, domestic and/or relationship violence that are directly reported to me, or of which I am somehow made aware. There are two important exceptions to this requirement about which you should be aware: Confidential Resources and facilitators of sexual awareness programs such as "Take Back the Night and Aspire to be Well" when acting in those capacities, are not required to report incidents of sexual discrimination. Another important exception to the reporting requirement exists for academic work. Disclosures about sexual harassment, sexual violence, stalking, domestic and/or relationship violence that are shared as part of an academic project, a research project, classroom discussion, or course assignment, are not required to be disclosed to the University's Title IX Coordinator. This policy is located at <http://www.clemson.edu/campus-life/campus-services/access/title-ix/>. Ms. Alesia Smith is the Executive Director for Equity Compliance and the Title IX Coordinator. Her office is located at 223 Holtzendorff Hall, phone number is 864.656.3181, and email address is alesias@clemson.edu.

COPYRIGHT STATEMENT:

Materials in this course should be considered to be copyrighted. They are intended for use only by students registered and enrolled in the course and only for instructional activities associated with and for the duration of the course. They may not be retained in another medium or disseminated further. They are provided in compliance with the provisions of the Teach Act. Students must seek permission from instructors to record any class activity, including lectures, discussions, and presentations. You refer to the Use of Copyrighted Materials and "Fair Use Guidelines" policy on the Clemson University website for additional information (link <https://clemson.libguides.com/copyright>).

PROPOSED COURSE SCHEDULE

This schedule is tentative and subject to change

Date	Topic
1/07/21	Introduction to the course
1/12/21-1/14/21	Reading: Environment, Sustainability, and Science (<i>Ch. 1</i>)
1/19/21– 1/21/21	Reading: Environmental Ethics, Economics, and Policy (<i>Ch.2</i>)
1/26/21 – 1/28/21	Reading: The Physical Science of the Environment (<i>Ch.3</i>)
2/2/21-2/4/21	The Physical Science of the Environment (Cont.)

2/9/21- 2/11/21	Readings: Organism and Population Ecology and Evolution (<i>Ch.4</i>)
2/16/21	<i>Review Session</i>
2/18/21	<i>Exam 1</i>
2/23/21	Communities and Ecosystems (<i>Ch.6</i>)
2/25/21 – 3/2/21	Reading: Climate Change and Global Warming (<i>Ch.9</i>)
3/4/21– 3/9/21	Reading: Air Quality (<i>Ch.10</i>)
3/11/21	Water (<i>Ch.11</i>)
3/16/21 – 3/18/21	No Classes – Spring Break
3/23/21	<i>Exam 2</i>
3/25/21	Reading: Nonrenewable Energy and Electricity (<i>Ch.14</i>)
3/30/21	Reading: Renewable Energy and Energy Conservation (<i>Ch. 15</i>)
4/1/21	Reading: The Environment and You (<i>Ch.19</i>)
4/6/21	<i>Exam 3</i>
4/8/21 4/13/21 4/15/21 4/20/21 4/22/21	<i>Final project presentations</i>
4/28/2021 by 5:30 pm	Final Paper Due

ASSESSMENT AND EVALUATION:

Homework/Classwork: Most of the assignments will be completed during class time; therefore, you are responsible for attending all class meetings and turning all homework/classwork assignments.

Exams: The course will include three exams during the semester, No Cumulative Final Exam.

Final Project : This project, which is done in teams, allows you to make this course a place where you take a question or problem of interest to you and explore it in more detail. The project will culminate in a power point presentation you present during the last three weeks of the semester. You will be expected to do some of your own literature research to support your project. The project topic must be approved by the professor. In addition, you will write an individual short paper to reflect on your team’s project. detailed instructions will be provided later during the semester.

Final Paper: You will write a final paper to reflect critically on your final project. Students will be allowed to exempt final paper if they accumulated a grade of “A” in the class by the last day of classes for this semester.