SYLLABUS ENR 2100
Introduction to Environmental Science
- Mondays, Wednesdays, and Fridays, 12:40pm - 1:35pm (1\textsuperscript{st} 2 weeks via Zoom)
- Nationwide & OH 4-H Center, 2201 Fred Taylor Drive, Room110
- GE Natural Science: Biological Science Class: 3 credit hours
- Spring 2021 (SP21), Section 30729

COURSE OVERVIEW
Course content, including lecture presentations and videos, will be delivered using platforms: (1) Live in class and (2) Carmen. Carmen will be used to complete all quizzes, exams, and other assignments.

Instructor
Instructor: Dr. Nadia Casillas Ituarte, Ph.D.
Teaching Associate: Ms. Ella M. Weaver, MENR
Course Email: ENR2100@osu.edu make sure to add my name/section number/4H center

Office hours: Zoom link and time available on Carmen
  - Ella will hold office hours twice per week. One office hour will be an “open” office hour with no waiting room. Students can come and go, ask questions, listen to other student questions, review material, etc. The other office hour during the week will be a “closed” office hour with a waiting room and students will be admitted on a first come basis to meet one on one.

Course description
This course fulfills the General Education (GE) Category Natural Science, Biological Science. Natural Science coursework fosters students’ understanding of the principles, theories, and methods of modern science, the relationship between science and technology, the implications of scientific discoveries and the potential of science and technology to address problems of the contemporary world.

Course learning outcomes
By the end of this course, students should successfully be able to:
- Understand the basic facts, principles, theories and methods of modern science.
- Acknowledge key events in the development of science and recognize that science is an evolving body of knowledge.
- Describe the inter-dependence of scientific and technological developments.
• Recognize social and philosophical implications of scientific discoveries and understand the potential of science and technology to address problems of the contemporary world.

HOW THIS COURSE WORKS

Mode of delivery: This course is an in-person course so attendance and participation in class is expected. You are also expected to log in to the course in Carmen at least every week. During most weeks you will probably log in multiple times for the completion of quizzes, assignments, and exams. If you have a situation that might cause you to miss an entire week of class, please email ENR2100@osu.edu to discuss adjusted timelines.

Credit hours and work expectations: This is a 3-credit-hour course. According to Ohio State policy, students should expect around 3 hours per week of time spent on direct instruction (instructor content and Carmen activities, for example) in addition to 6 hours of homework (reading and assignment preparation, for example) to receive a grade of (C) average.

COURSE MATERIALS AND TECHNOLOGIES

Textbooks

Recommended/optional


If you are interested in purchasing this textbook, we recommend purchasing from an online retailer such as Amazon. Any edition of the textbook is acceptable for the course as the textbook can serve as additional content and background information. There will be no assessments for the course solely based on textbook content.

• Scientific Posters: A Learner’s Guide
  (https://ohiostate.pressbooks.pub/scientificposterguide/)

Course technology

For help with your password, university email, Carmen, or any other technology issues, questions, or requests, contact the Ohio State IT Service Desk. Standard support hours are available at ocio.osu.edu/help/hours, and support for urgent issues is available 24/7.

• Self-Service and Chat support: ocio.osu.edu/help
• Phone: 614-688-4357(HELP)
• Email: servicedesk@osu.edu
• **TDD**: 614-688-8743

Technology skills needed for this course

• Basic computer and web-browsing skills
• Navigating Carmen ([go.osu.edu/canvasstudent](go.osu.edu/canvasstudent))
• CarmenZoom virtual meetings ([go.osu.edu/zoom-meetings](go.osu.edu/zoom-meetings))
• Recording a slide presentation with audio narration and recording, editing and uploading video ([go.osu.edu/video-assignment-guide](go.osu.edu/video-assignment-guide))

Required equipment

• Computer: current Mac (MacOs) or PC (Windows 10) with high-speed internet connection
• Webcam: built-in or external webcam, fully installed and tested
• Microphone: built-in laptop or tablet mic or external microphone
• Other: a mobile device (smartphone or tablet) to use for BuckeyePass authentication

Required software

• Microsoft Office 365: All Ohio State students are now eligible for free Microsoft Office 365. Full instructions for downloading and installation can be found at [go.osu.edu/office365help](go.osu.edu/office365help).

Carmen access

You will need to use BuckeyePass ([buckeyepass.osu.edu](buckeyepass.osu.edu)) multi-factor authentication to access your courses in Carmen. To ensure that you are able to connect to Carmen at all times, it is recommended that you take the following steps:

• Register multiple devices in case something happens to your primary device. Visit the BuckeyePass - Adding a Device help article for step-by-step instructions ([go.osu.edu/add-device](go.osu.edu/add-device)).
• Request passcodes to keep as a backup authentication option. When you see the Duo login screen on your computer, click **Enter a Passcode** and then click the **Text me new codes** button that appears. This will text you ten passcodes good for 365 days that can each be used once.
• Download the Duo Mobile application ([go.osu.edu/install-duo](go.osu.edu/install-duo)) to all of your registered devices for the ability to generate one-time codes in the event that you lose cell, data, or Wi-Fi service.
If none of these options will meet the needs of your situation, you can contact the IT Service Desk at 614-688-4357(HELP) and IT support staff will work out a solution with you.

If you experience connection problems with Carmen then the very first thing that you should try is another web browser such as Firefox, Explorer, Chrome, and Safari. If you are having difficulty opening a document or viewing an image or any other issue associated with this class, then it is most likely a problem with your computer, Internet connection or Internet browser. Everything for this class has already been thoroughly tested by thousands of students from all over the world to ensure that it works. Occasionally we do make mistakes, and when we do, we will always make it right.

**GRADING AND FACULTY RESPONSE**

**How your grade is calculated**

<table>
<thead>
<tr>
<th>ASSIGNMENT CATEGORY</th>
<th>POINTS</th>
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<tbody>
<tr>
<td>1 Midterm Exam</td>
<td>25%</td>
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<tr>
<td>1 Final Exam</td>
<td>25%</td>
</tr>
<tr>
<td>6 Poster Assignments</td>
<td>25%</td>
</tr>
<tr>
<td>5 Quizzes</td>
<td>25%</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>100</strong></td>
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*See course schedule below for due dates.*

**Assignments and Quizzes will be taken on Carmen.** There will be a flexible time frame of approximately 2 weeks to complete them. These can be completed at any time within the 2-week submission window. Submission after the due date for assignments or quizzes will result in a 10% deduction per day from the overall grade. The submission areas will automatically close after 10 days from the due date and will not reopen. Dr. Casillas will not accept assignments or quizzes that are sent by email. All assignments must be uploaded to Carmen. All quizzes must be taken on Carmen.

**Exams will be taken on Carmen** within a flexible time frame of approximately 3 days. Exams can be taken at any time within these 3 days. Students will only be given 1 attempt to take an exam during these 3 days. **Exams are open book. Exams must be taken on your own without assistance from another person. Late submissions will not be accepted and will result in a grade of 0%. Missed exams will result in a grade of 0%.** All exams must be taken on Carmen. Dr. Casillas will not accept exams that are sent by email. You will NOT come to a classroom to take the exam. Rather, you take the exam from a location of your choosing that has Internet connection. Significant number of exam questions will come from material presented in lecture videos. Additional material will be drawn from the textbook, assigned readings and videos. Each student must complete the exam on her or his own. You are NOT permitted to receive
assistance from anyone else during the exam. You are NOT permitted to take exams as part of a group. You ARE permitted to use notes, slides, calculator, textbook, journal articles, books, and Internet during the exam. Extenuating circumstances sometimes occur and if this happens when an assignment, quiz, or exam is open on Carmen please send documentation to ENR2100@osu.edu, so that we can work out a plan. Dr. Casillas will determine if an excuse is acceptable. Since this course has flexible due dates with assignments, quizzes and exams open for a period of days to weeks, acceptable excuses typically entail lengthy illness, extended hospitalization or other serious issues.

Grading scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
<th>Grade</th>
<th>Range</th>
<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>A</td>
<td>93–100</td>
<td>A-</td>
<td>90–92.9</td>
<td>B</td>
<td>87–89.9</td>
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<tr>
<td>B+</td>
<td>87–89.9</td>
<td>B</td>
<td>83–86.9</td>
<td>C</td>
<td>77–79.9</td>
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<tr>
<td></td>
<td>73–76.9</td>
<td>C-</td>
<td>70–72.9</td>
<td>D+</td>
<td>67–69.9</td>
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<tr>
<td></td>
<td>60–66.9</td>
<td>D</td>
<td>Below 60</td>
<td>E</td>
<td></td>
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Instructor feedback and response time

- **Grading and feedback**: For writing assignments, you can expect a grade and feedback within 10 days.

- **Email**: Instructors check and replay to emails daily. Please email ENR2100@osu.edu for questions. Please use your OSU email account to send emails to this account.

OTHER COURSE POLICIES

Academic integrity policy

FOR THIS COURSE

- **Quizzes and exams**: You must complete the midterm and final exams yourself, without any external help or communication. Weekly quizzes are included as self-checks without points attached.

- **Written assignments**: Your written assignments, including discussion posts, should be your own original work. In formal assignments, you should follow the provided course style to cite the ideas and words of your research sources. You are encouraged to ask a trusted person to proofread your assignments before you turn them in—but no one else should revise or rewrite your work.

- **Reusing past work**: In general, you are prohibited in university courses from turning in work from a past class to your current class, even if you modify it. If you want to build on past research or revisit a topic you’ve explored in previous courses, please discuss the situation with me.

OHIO STATE’S ACADEMIC INTEGRITY POLICY

Academic integrity is essential to maintaining an environment that fosters excellence in teaching, research, and other educational and scholarly activities. Thus, The Ohio State University and
the Committee on Academic Misconduct (COAM) expect that all students have read and understand the university’s Code of Student Conduct (studentconduct.osu.edu), and that all students will complete all academic and scholarly assignments with fairness and honesty. Students must recognize that failure to follow the rules and guidelines established in the university’s Code of Student Conduct and this syllabus may constitute “Academic Misconduct.”

The Ohio State University’s Code of Student Conduct (Section 3335-23-04) defines academic misconduct as: “Any activity that tends to compromise the academic integrity of the university or subvert the educational process.” Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the university’s Code of Student Conduct is never considered an excuse for academic misconduct, so I recommend that you review the Code of Student Conduct and, specifically, the sections dealing with academic misconduct.

If I suspect that a student has committed academic misconduct in this course, I am obligated by university rules to report my suspicions to the Committee on Academic Misconduct. If COAM determines that you have violated the university’s Code of Student Conduct (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the university.

If you have any questions about the above policy or what constitutes academic misconduct in this course, please contact me.

Other sources of information on academic misconduct (integrity) to which you can refer include:

- Committee on Academic Misconduct web page (go.osu.edu/coam)
- Ten Suggestions for Preserving Academic Integrity (go.osu.edu/ten-suggestions)
- Eight Cardinal Rules of Academic Integrity (go.osu.edu/cardinal-rules)

Copyright disclaimer

The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

Creating an Environment Free from Harassment, Discrimination, and Sexual Misconduct

The Ohio State University is committed to building and maintaining a community to reflect diversity and to improve opportunities for all. All Buckeyes have the right to be free from harassment, discrimination, and sexual misconduct. Ohio State does not discriminate on the
basis of age, ancestry, color, disability, ethnicity, gender, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, pregnancy (childbirth, false pregnancy, termination of pregnancy, or recovery therefrom), race, religion, sex, sexual orientation, or protected veteran status, or any other bases under the law, in its activities, academic programs, admission, and employment. Members of the university community also have the right to be free from all forms of sexual misconduct: sexual harassment, sexual assault, relationship violence, stalking, and sexual exploitation.

To report harassment, discrimination, sexual misconduct, or retaliation and/or seek confidential and non-confidential resources and supportive measures, contact the Office of Institutional Equity:

1. Online reporting form at equity.osu.edu,
2. Call 614-247-5838 or TTY 614-688-8605,
3. Or email equity@osu.edu

The university is committed to stopping sexual misconduct, preventing its recurrence, eliminating any hostile environment, and remediying its discriminatory effects. All university employees have reporting responsibilities to the Office of Institutional Equity to ensure the university can take appropriate action:

- All university employees, except those exempted by legal privilege of confidentiality or expressly identified as a confidential reporter, have an obligation to report incidents of sexual assault immediately.
- The following employees have an obligation to report all other forms of sexual misconduct as soon as practicable but at most within five workdays of becoming aware of such information: 1. Any human resource professional (HRP); 2. Anyone who supervises faculty, staff, students, or volunteers; 3. Chair/director; and 4. Faculty member.

**Your mental health**

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student’s ability to participate in daily activities. No matter where you are engaged in distance learning, The Ohio State University’s Student Life Counseling and Consultation Service (CCS) is here to support you. if you find yourself feeling isolated, anxious or overwhelmed, on-demand mental health resources (go.osu.edu/ccsondemand) are available. You can reach an on-call counselor when CCS is closed at 614- 292-5766. **24-hour emergency help** is available through the National Suicide Prevention Lifeline Website (suicidepreventionlifeline.org) or by calling 1-800-273-8255(TALK). The Ohio State Wellness app (go.osu.edu/wellnessapp) is also a great resource.
Principles of Community

This course adheres to The Principles of Community adopted by the College of Food, Agricultural, and Environment Sciences. These principles are located on the Carmen site for this course and can also be found at https://go.osu.edu/principlesofcommunity. For additional information on Diversity, Equity, and Inclusion in CFAES, contact the CFAES Office for Diversity, Equity, and Inclusion (https://equityandinclusion.cfaes.ohio-state.edu/). If you have been a victim of or a witness to a bias incident, you can report it online and anonymously (if you choose) at https://studentlife.osu.edu/bias/report-a-bias-incident.aspx.

Requesting accommodations

The university strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability including mental health, chronic or temporary medical conditions, please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services (SLDS). After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. In light of the current pandemic, students seeking to request COVID-related accommodations may do so through the university’s request process, managed by Student Life Disability Services

- Phone: 614-292-3307
- Website: slds.osu.edu
- Email: slds@osu.edu
- In person: Baker Hall 098, 113 W. 12th Avenue

COURSE SCHEDULE

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Assessment</th>
<th>Due Date</th>
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<tbody>
<tr>
<td>1</td>
<td>Introduction to Environmental Science</td>
<td>Optional: Carmen Scavenger Hunt Poster Assignment #1: Introduction to Scientific Posters Quiz</td>
<td>Friday, January 15</td>
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<tr>
<td>2</td>
<td>Scientific Process</td>
<td>Optional: Plagiarism Quiz</td>
<td>Friday, January 22</td>
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<td>3</td>
<td>Persistent Pollutants</td>
<td>Poster Assignment #2: Poster Title, Abstract, and References</td>
<td>Friday, January 29</td>
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<tr>
<td>Week</td>
<td>Topic</td>
<td>Assessment</td>
<td>Due Date</td>
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<tr>
<td>4</td>
<td>Human Populations</td>
<td>Quiz #1</td>
<td>Friday, February 5</td>
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<tr>
<td>5</td>
<td>Population Ecology</td>
<td>Poster Assignment #3: Completing a Poster Section</td>
<td>Friday, February 12</td>
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<tr>
<td>6</td>
<td>Community Ecology</td>
<td>Quiz #2</td>
<td>Friday, February 19</td>
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<tr>
<td>7</td>
<td>Biomes and Biodiversity</td>
<td>Midterm Exam</td>
<td>Friday, February 26</td>
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<tr>
<td>8</td>
<td>Biomes and Biodiversity</td>
<td>Quiz #3</td>
<td>Friday, March 5</td>
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<tr>
<td>9</td>
<td>Freshwater Resources</td>
<td>Poster Assignment #4: Poster First Draft</td>
<td>Friday, March 12</td>
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<tr>
<td>10</td>
<td>Protecting Earth’s Freshwater</td>
<td>Quiz #4</td>
<td>Friday, March 19</td>
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<tr>
<td>11</td>
<td>Protecting Earth’s Atmosphere</td>
<td>Poster Assignment #5: Poster Final Draft</td>
<td>Friday, March 26</td>
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<tr>
<td>12</td>
<td>Environmental Cost of Coal</td>
<td>Quiz #5</td>
<td>Friday, April 2</td>
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<tr>
<td>13</td>
<td>Environmental Cost of Petroleum</td>
<td>Poster Assignment #6: Virtual Poster Symposium</td>
<td>Friday, April 9</td>
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<td>Submission to Virtual Poster Symposium</td>
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<tr>
<td>14</td>
<td>Alternative and Renewable Energy</td>
<td>Poster Assignment #6: Virtual Poster Symposium</td>
<td>Friday, April 16</td>
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<td>Peer Reviews Due</td>
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<tr>
<td>15</td>
<td>Course Wrap Up</td>
<td>Final Exam</td>
<td>Friday, April 30</td>
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