

Syllabus for Intro to Environmental Science

Course Information

Semester & Year: Fall 2023

Course ID & Section #: ENVSC-10-E5586 and E5587

Instructor's name: Maria Morrow ("more-oh")

Day/Time of required meetings:

Lecture: Mondays and Wednesdays, 10:05-11:30am in HU129 (both sections)

Lab: Monday (section 5586) 1:15-4:25pm in SC108

Course units: 4 (3hrs lecture, 3hrs lab)

Instructor Contact Information

Office location: SC 216D (upstairs Science building in the U of offices)

Office hours: Mondays, Tuesdays and Thursdays 11:30am-12:30pm

Phone number: 707-476-4472

Email address: Maria-Morrow@Redwoods.edu

Catalog Description

Introduction to environmental issues from a scientific perspective, focusing on physical, chemical, and biological processes within the Earth system, the interaction between humans and these processes, and the role of science in finding sustainable solutions. Topics include ecological principles, biodiversity, climate change, sustainability, renewable and non-renewable energy, water resources, air and water pollution, and solid waste management. Note: Field trips are required and transportation is not provided.

Course Student Learning Outcomes *(from course outline of record)*

1. Apply the process of science to analyze major environmental issues at a variety of scales, identify potential solutions for these issues, and evaluate the viability of these solutions.
2. Analyze and interpret quantitative data and visual representations of data describing an environmental issue.
3. Describe relationships between human actions and environmental issues and predict potential outcomes of these interactions.
4. LAB: Analyze and interpret human influences on an ecosystem in the field

Evaluation & Grading Policy

Grades in this course are weighted as follows:

30% Teamwork – every week you'll be doing a lab where you'll work with your classmates to participate in real science! Most often, you'll be in the field on campus, but every once in a while you might be in a computer lab or working indoors in our lab in SC108, or on a field trip off campus.

30% Benchmark projects – around weeks 5 and 10 you'll start working on a collaborative project with a group of classmates. This will involve both lecture and lab content and will culminate in a written project and presentation to the class. You'll have a few weeks to work on these.

20% Individual written works – this class is taught in a flipped format. This means you'll be engaging with content outside the course and taking notes. You'll bring these notes to class and get points for taking quality notes.

Periodically, we'll have quizzes or projects to complete during lectures where you can use your notes. These projects will also contribute toward this section.

20% Capstone project – toward the middle of the semester, you'll start thinking about and working on an individual project. This project will be due at the end of the semester where you will present your work to the class.

CR has a set policy for how course percentages convert to grades:

A > 92%; A- 90-92%; B+ 87-89%; B 83-86%; B- 80-82%; C+ 77-79%; C 70-76%; D 60-69%; F <60%

Educational Accessibility & Support

College of the Redwoods is committed to providing reasonable accommodations for qualified students who could benefit from additional educational support and services. You may qualify if you have a physical, mental, sensory, or intellectual condition which causes you to struggle academically, including but not limited to:

- Mental health conditions such as depression, anxiety, PTSD, bipolar disorder, and ADHD
- Common ailments such as arthritis, asthma, diabetes, autoimmune disorders, and diseases
- Temporary impairments such as a broken bone, recovery from significant surgery, or a pregnancy-related disability
- A learning disability (e.g., dyslexia, reading comprehension), intellectual disability, autism, or acquired brain injury
- Vision, hearing, or mobility challenges

Available services include extended test time, quiet testing environments, tutoring, counseling and advising, alternate formats of materials (e.g., audio books, E-texts), assistive technology, on-campus transportation, and more. If you believe you might benefit from disability- or health-related services and accommodations, please contact [Disability Services and Programs for Students \(DSPS\)](#). If you are unsure whether you qualify, please contact DSPS for a consultation: dsps@redwoods.edu.

- Eureka: 707-476-4280, Student Services Building, 1st floor
- Del Norte: 707-465-2324, Main Building, near the library
- Klamath-Trinity: 707-476-4280

Canvas Information

If using Canvas, include navigation instructions, tech support information, what Canvas is used for, and your expectation for how regularly students should check Canvas for your class.

Log into Canvas at [My CR Portal](#)

For help logging in to Canvas, visit [My CR Portal](#).

For help with Canvas once you're logged in, click on the Help icon on the left menu. For tech help, email its@redwoods.edu or call 707-476-4160

Canvas online orientation workshop: [Canvas Student Orientation Course \(instructure.com\)](#)

Setting Your Preferred Name in Canvas

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact [Admissions & Records](#) to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. This does not change your legal name in our records. See the [Student Information Update form](#).

Student Support Services

The following online resources are available to support your success as a student:

- [CR-Online](#) (Comprehensive information for online students)
- [Library Articles & Databases](#)
- [Canvas help and tutorials](#)
- [Online Student Handbook](#)
- [Online Tutoring Resources](#)

[Counseling](#) offers assistance to students in need of professional counseling services such as crisis counseling.

Learning Resource Center includes the following resources for students

- [Library Services](#) to promote information literacy and provide organized information resources.
- [Multicultural & Diversity Center](#)
- [Academic Support Center](#) – offers tutoring and test proctoring for CR students.
- [Student Tech Help](#) – provides students with assistance around a variety of tech problem

Special programs are also available for eligible students include

- [Extended Opportunity Programs & Services \(EOPS\)](#) provides services to eligible income disadvantaged students including: textbook award, career academic and personal counseling, school supplies, transportation assistance, tutoring, laptop, calculator and textbook loans, priority registration, graduation cap and gown, workshops, and more!
- The TRiO Student Success Program provides eligible students with a variety of services including trips to 4-year universities, career assessments, and peer mentoring. Students can apply for the program in [Eureka](#) or in [Del Norte](#)
- The [Veteran's Resource Center](#) supports and facilitates academic success for Active Duty Military, Veterans and Dependents attending CR through relational advising, mentorship, transitional assistance, and coordination of military and Veteran-specific resources.
- [CalWORKS](#) – assists student parents with children under the age of 18, who are receiving cash assistance (TANF), to become self-sufficient.
- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821

Student Code of Conduct

The Student Code of Conduct ([AP 5500](#)) is available on the College of the Redwoods website. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the [College Catalog](#) and on the [College of the Redwoods website](#).

Community College Student Health and Wellness

Resources, tools, and trainings regarding health, mental health, wellness, basic needs and more designed for California community college students, faculty and staff are available on the California Community Colleges [Health & Wellness website](#).

[Wellness Central](#) is a free online health and wellness resource that is available 24/7 in your space at your pace.

Students seeking to request a counseling appointment for academic advising or general counseling can email counseling@redwoods.edu.

Eureka Campus Emergency Procedures

Please review the [campus emergency map](#) for evacuation sites, including the closest site to this classroom (posted by the exit of each room). For more information on Public Safety go to the [CR Police Department- Public Safety](#) It is the responsibility of College of the Redwoods to protect life and property from the effects of emergencies within its own jurisdiction.

In the event of an emergency:

1. Evaluate the impact the emergency has on your activity/operation and take appropriate action.
2. Dial 911, to notify local agency support such as law enforcement or fire services.
3. Notify Public Safety 707-476-4111 and inform them of the situation, with as much relevant information as possible.
4. Public Safety shall relay threat information, warnings, and alerts through the Everbridge emergency alert system, Public address system, and when possible, updates on the college website, to ensure the school community is notified.
5. Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet, (evacuation to a safe zone, shelter in place, lockdown, assist others if possible, cooperate with First Responders, etc.).
6. If safe to do so, notify key administrators, departments, and personnel.
7. Do not leave campus, unless it is necessary to preserve life and/or has been deemed safe by the person in command.

Everbridge

College of the Redwoods has implemented an emergency alert system called Everbridge. In the event of an emergency on campus you will receive an alert through your personal email and/or phones. Registration is not necessary in order to receive emergency alerts. Check to make sure your contact information is up-to-date by logging into WebAdvisor <https://webadvisor.redwoods.edu> and selecting 'Students' then 'Academic Profile' then 'Current Information Update.'

Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions. For more information see the [Redwoods Public Safety Page](#).

In an emergency that requires an evacuation of the building anywhere in the District:

- Be aware of all marked exits from your area and building
- Once outside, move to the nearest evacuation point outside your building
- Keep streets and walkways clear for emergency vehicles and personnel Do not leave

campus, unless it has been deemed safe by the campus authorities.

Fall 2023 Dates

August 18th: Last day to register for classes (day before the first class meeting)

August 19th: Classes begin

August 25th: Last day to add a class

September 1st: Last day to drop without a "W" and receive a refund

September 4th: Labor Day Holiday (All Campuses Closed)

September 5th: Census Date (20% of class)

October 26th: Last day to petition to graduate

October 27th: Last day for student initiated withdrawal (62.5% of class)

October 27th: Last day for faculty initiated withdrawal (62.5% of class)

November 11th: Veterans Day (All Campuses Closed)

November 20th-25th: Thanksgiving break (no classes)

November 22nd-24th: No Classes, all campuses closed

December 9th-15th: Final Examinations

December 15th: Last day to file for P/NP option

December 15th: Semester Ends

December 22nd: Grades due

January 5th: Grades available

Schedule for ENVSC-10 (Monday lab)

See our Canvas page for more details on what we'll be doing each week. This schedule is subject to change!

Week	Lecture Topic	Lab	Of Note
1	Learning	Intro to the CR Campus, safety, and writing	
2	Science & Bias	Thinking about study design, salamander study sites	
3	M: No class – Labor Day W: Ethics	No lab due to holiday	Benchmark Project 1 Groups Assigned
4	Ecology	Farm visits	This is our first off campus field trip! Make sure you check Canvas for meeting time, directions, and other information.
5	Forests	Bat lab! Wednesday 9/20 at 7pm on the CR campus	The time on this may change. Check Canvas! No normal labs this week. Benchmark Project 1 Presentations
6	Agriculture	Terrestrial insect surveys	
7	Wetlands	Aquatic organisms and water quality analysis	Benchmark Project 2 Groups Assigned
8	Terrestrial Biomes & Oceans	Data lab	
9	Climate	Campus mushroom surveys	Part of the Continental Mycoblitz!
10	Biodiversity	Intro to birding	Benchmark Project 2 Presentations
11	Waste	Campus bird surveys	
12	Chemicals	Nest box data collection	
13	Symbiosis	Marine Lab or Zoo	Off campus field trip!
14	Solutions	Fish Printing	Bring items to print with fishes (e.g. shirts, totes)
15	Presentations	Survey salamanders	Capstone Project Presentations
Finals	Reflections	No labs during finals week	