



Syllabus for Environmental Science

Course Information

Semester & Year: Spring 2022

Course ID & Section #: ENVSC-10-D2968 - Intro to Environmental Science

Instructor's name: Laura Morgan (lecture), Rod McLeod (lab)

Day/Time of required meetings: Lecture: Saturday 9:00 am - 12:10 pm, Lab: Saturday 12:40 pm - 3:50 pm

Location: Lecture: TBD, Lab: New Science Lab

Course units: 4

Instructor Contact Information

Office location or *Online: In-person or online

Office hours: By appointment

Email addresses: laura-morgan@redwoods.edu ; rod-mcleod@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

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. Analyze and interpret human influences on an ecosystem in the field.

Prerequisites/corequisites/ recommended preparation

There are no prerequisites for this course. However, you will be asked to do a lot of reading and writing. If these are areas you struggle with, consider taking a college-level English course prior to or concurrently with ENVSC-10.

Accessibility

College of the Redwoods is committed to making reasonable accommodations for qualified students with disabilities. If you have a disability or believe you might benefit from disability-related services and accommodations, please contact your instructor or [Disability Services and Programs for Students](#) (DSPS). Students may make requests for alternative media by contacting DSPS based on their campus location:

- Eureka: 707-476-4280, student services building, 1st floor
- Del Norte: 707-465-2324, main building near library

- Klamath-Trinity: 530-625-4821 Ext 103

If you are taking online classes DSPS will email approved accommodations for distance education classes to your instructor. In the case of face-to-face instruction, please present your written accommodation request to your instructor at least one week before the needed accommodation so that necessary arrangements can be made. Last minute arrangements or post-test adjustments usually cannot be accommodated.

Student Support

Good information and clear communication about your needs will help you be successful. Please let your instructor know about any specific challenges or technology limitations that might affect your participation in class. College of the Redwoods wants every student to be successful.

Required Texts and Other Materials

- Essential Environment 6th Ed. by Withgott and Laposata. ISBN 9780134714882
- There is no lab manual for this course. All lab materials will be provided or available as PDF's on the Canvas course site.
- *Write-in-the-Rain* field notebook (Available from *Del Norte Office Supply*) and a three-ringed binder for lab (extra paper and colored pencils will be useful)
- Calculator with basic functions
- Hip Boots or waders for collecting aquatic invertebrates.

Canvas

We will use Canvas to post lab activities, lecture material, and other materials. Some material will require you to print out and read before class. Thus, you should always check Canvas before each class. However, a great deal of the lecture material will only be available in class.

Log into Canvas at <https://redwoods.instructure.com>

Password is your 8 digit birth date

For tech help, email its@redwoods.edu or call 707-476-4160

Canvas Help for students: <https://webapps.redwoods.edu/tutorial/>

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

Course Organization & Grading Policy

Course Organization

Lecture and lab are closely interrelated. The topics you learn about in lectures you see in the lab. Lab lectures occur, but are usually short so you can spend as much time as possible with the lab activity. Most labs focus on a particular topic and contain two main types of activities: 1) field trips and data collection; and 2) laboratory experiments and data analyses to reinforce topics discussed in the lecture portion of this course. You are assigned specific exercises in your lab handouts to complete and are expected to answer all questions and make all observations and drawings in your field notebook (when in the field) and in your lab notebook.

Lecture Exams: There will be one Midterm and one Final Exam, worth 100 points each. The Final Exam will be comprehensive.

Quizzes: There will be pop quizzes given over the semester, worth 5-10 points each. Quizzes given during lecture will focus on lecture and reading material, and quizzes given during lab will focus on lab material. Regular quizzes are given to ensure you keep up with the course material, understand the main concepts of each topic, and to help prepare you for exams.

Research Project: There will be one research project worth 100 points. More information will be given in class.

Freshwater Aquatic Invertebrate Project: You will work in groups of three to collect, preserve and identify freshwater aquatic invertebrates from local freshwater streams and ponds. More information will be given in class.

Field Notebooks: Students will be required to keep an organized field notebook documenting all field activities pertaining to this course. You will need to purchase a small Write-in-the-Rain field notebook from Del Norte Office Supply for this purpose. More information will be given in class.

Grading Policy

Lecture Exams - 2 midterm exams (100 points each)	200
Research Project (Final)	100
Quizzes	100
Freshwater Aquatic Invertebrate Collection	30
Field Notebook	20
Lab Assignments	50
Total points possible	500

If you receive 90-100% of total points you will receive an A; 80-89% earns a B; 70-79% earns a C; 60-69% earns a D. Failing to attain at least 60% of the total points (less than 300pts) will result in your receiving an F in the course.

Class Make-up Policy

If you miss a lecture, get lecture notes from a classmate. If you miss a lab, make up the work as soon as possible, also ideally with the guidance of a classmate. *It is not my responsibility to give you missed lecture notes or shepherd you through a missed lab.* Exams will be comprehensive so missed material that you fail to make up will result in a lower performance, and ultimately, a lower grade in the course. Make-up exams will be administered only if you have contacted me with a *verifiable and compelling* excuse before the exam begins. Missed labs will be difficult to make-up and there is no guarantee you can make-up the lab.

Admissions deadlines & enrollment policies

Spring 2022 Dates

- *Classes begin: 01/15/22*
- *Last day to add a class: 01/21/22*
- *Martin Luther King, Jr's Birthday (all campuses closed): 01/17/22*
- *Last day to drop without a W and receive a refund: 01/28/22*
- *Census date (or 20% into class duration): 01/31/22*
- *Last Day to file P/NP (only courses where this is an option) 02/11/22*
- *Lincoln's Birthday (all campuses closed): 02/18/22*
- *Presidents Day (all campuses closed): 02/21/22*
- *Last day to petition to graduate or apply for certificate: 03/03/22*
- *Spring Break (no classes): 03/14/22-03/19/22*
- *Last day for student-initiated W (no refund): 04/01/22*
- *Last day for faculty-initiated W (no refund): 04/01/22*
- *Final examinations: 05/07/22-05/13/22*
- *Semester ends: 05/13/22*
- *Grades available for transcript release: approximately 05/30/22*

Academic dishonesty

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. 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](#).

Disruptive behavior

Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; and physically or verbally abusive behavior. In such cases where the instructor determines that a student has disrupted the educational process, a disruptive student may be temporarily removed from class. In addition, the student may be reported to the Chief Student Services Officer or designee. 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](#).

Inclusive Language in the Classroom

College of the Redwoods aspires to create a learning environment in which all people feel comfortable in contributing their perspectives to classroom discussions. It therefore encourages instructors and students to use language that is inclusive and respectful.

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](#).

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.

Emergency procedures / 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.

Del Norte Campus Emergency Procedures

Please review the [Crescent City campus emergency map](#) for campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). For more information, see the [Redwoods Public Safety Page](#).

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](#)

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

Learning Resource Center includes the following resources for students

- [Academic Support Center](#) for instructional support, tutoring, learning resources, and proctored exams. Includes the Math Lab & Drop-in Writing Center
- [Library Services](#) to promote information literacy and provide organized information resources.
- [Multicultural & Diversity Center](#)

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.
- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821