CR COLLEGE OF THE REDWOODS   Syllabus for Lab in Oceanography

Course Information

Semester & Year: Spring 2023
Course ID & Section #: OCEAN-10L-E5492
Instructor's name: Emily Wright
Day/Time of required meetings: Thursday 10:00 am – 1:10 pm
Location: Humanities Building, room 125
Course units: 3

Instructor Contact Information

Office location: HU 125A
Office hours: by appointment at WhenIsGood.net/WrightOfficeHour
Email address: emily-wright@redwoods.edu
Preferred contact method: Pronto or Canvas message

Catalog Description

An exploration of the conceptual material presented in OCEAN 10. Students will acquire practical laboratory and field experience using oceanographic skills, tests, and procedures. Laboratory exercises focus on chart reading, measurements of seafloor movement, seawater chemistry, wave celerity, and microscopic analysis. Field experience includes examination of coastal geology, wave and beach processes, habitats and marine organisms. Note: This course includes field trips to various marine and coastal areas. The College does not provide transportation.

Course Student Learning Outcomes

1. Use the formal methodology of the scientific method as an inquiry-based tool to critically evaluate oceanic phenomena.
2. Demonstrate the skills necessary to utilize basic instruments, tools, and tests used in oceanography.
3. Apply classification systems to organize and identify marine features and organisms.

Prerequisites/co-requisites

Students must be either concurrently enrolled in, or have previously completed OCEAN 10 Introduction to Oceanography.

Educational Accessibility and 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

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.

Textbook/Materials

There is no purchasable textbook for this class. The "lab manual" for this class consists of a series of lab handouts which will be distributed in class and also available online.

Ocean 10L students will also be required to keep a field journal. I recommend that you choose a weatherproof journal like this one, but at the very least, you'll need a dedicated field journal, so that your other notes are not destroyed in the event of inclement weather. Rite in the Rain notebooks are locally available at Sportsman's Warehouse and Ellis Art and Engineering Eureka.

Evaluation & Grading Policy

Final Grade Rubric

Similar to the OCEAN 10 lecture section, your OCEAN 10L grade will be based on a rubric. To earn a grade, you must meet all of the requirements listed for that grade.

Grade	Lab Summary Quizzes	Writing Portfolio	Field Journal	Field Data Collection	XP (Experience Points)
A	85% average	Field Project Report meets expectations	At least one field journal entry meets expectations	At least 8 different tasks completed over semester	At least 400
A-	80% average	Field Project Report meets expectations	At least one field journal entry meets expectations	At least 8 different tasks completed over semester	At least 400
B+	75% average	Field Project Report meets expectations	At least one field journal entry meets expectations	At least 8 different tasks completed over semester	At least 400
B	70% average	Field Project Report meets expectations	At least one field journal entry meets expectations	At least 8 different tasks completed over semester	At least 400
B-	65% average	Field Project Learning Reflection meets expectations	At least one field journal entry meets expectations	At least 8 different tasks completed over semester	At least 400
C+	60% average	Field Project Learning Reflection meets expectations	At least one field journal entry submitted	At least 8 different tasks completed over semester	At least 400
C	50% average	Field Project Learning Reflection meets expectations	At least one field journal entry submitted	At least 6 different field tasks completed over semester	At least 400
D	40% average	No writing portfolio requirement	At least one field journal entry submitted	At least one day of field work participation	At least 400
F	Less than 40%	No writing portfolio requirement	No requirement	No requirement	Less than 400 points

Rubric Category Descriptions

Lab Summary Quizzes

In most cases, lab quizzes will be take-home quizzes. They will review content and skills learned in the lab activities, but unlike lab activities they will be closed to peer discussion. You will have three

attempts at each quiz. Your placement in this category in the rubric will be determined by your average score across all summary quizzes for the semester (the average of your highest scoring attempt on each quiz). This is similar to the way that grades are calculated in a traditional points based grade scheme, but the percentage equivalencies to letter grades are different than the traditional grade scheme.

Field Journal

You are required to keep a field journal for this class. Each week that we are in the field, you should submit, clear, legible photographs of your field journal entry. At least one of these field journal entries should be thorough and detailed enough to meet expecations for the grade rubric. After you've submitted one entry that meets expectations, any entry (whether detailed and thorough or not) will earn XP.

Field Data Collection

During the semester, you will need to demonstrate mastery of at least eight different data collection techniques. We will use these techniques regularly throughout the semester, so you will have many opportunities to learn and demonstrate each technique. When you are ready to demonstrate the technique, let me know and I will check you off in my records. You need to demonstrate each technique once.

Writing Portfolio

Throughout the semester, we will be working on the Hookton Slough project and the project report. The final project report will be due near the end of the semester. This report will also count towards your writing profile in OCEAN 10.

Grades of B- or less do not require a field project report, but do require a field project Learning Reflection, which is a shorter, less formal and less comprehensive writing assignment, similar to the Learning Reflections in OCEAN 10.

Experience Points (XP)

Like OCEAN 10, this class uses XP or "Experience Points." XP for the lab are separate from XP in OCEAN 10. XP earned in OCEAN 10 do not fill the requirement for OCEAN 10L and vise versa. There is also less flexibility in how you earn XP in OCEAN 10L. While there are more than 1200 XP theoretically available in OCEAN 10, there are only about 500 to 600 available in OCEAN 10L. That's enough that, if you miss an assignment or two, you'll be alright, but you should generally view all categories of assignments as required.

There is no decay rule (like the 1% decay rule in OCEAN 10) for XP in OCEAN 10L. Instead, some types of assignments close after the due date (thus you can only earn XP if you complete them on time). Lab assignments (typically completed in class) stay open all semester, but if you were absent from class, it is your responsibility to complete them on your own time.

Other Assignments (Ways to earn XP)

Pre-quizzes

Before each lab, you will take a pre-quiz or "survey". The questions on the pre-quizzes are identical to the lab summary quizzes, but you will not be graded on whether you answer the questions correctly. Instead, you will simply earn XP for completing the quiz. The purpose is to give you a preview of what you will be expected to learn in the lab. These quizzes close on Wednesday night. Therefore, you may

not earn any XP if you do not complete them on time (and you'll also miss out on the preview of the summary quiz).

Pre-Lab Notes

Most weeks, I'll ask you to write down some specific notes from the material in OCEAN 10 (the online "lecture") that will be applicable to the lab. These notes can be digital or handwritten, so long as you have a way to access them in class. To hold you accountable for this key preparation, you'll need to submit a copy of these notes to Canvas by Wednesday night. These assignments also close and you may earn no XP for late submissions.

Lab Assignments

Typically, these assignments will be distributed as worksheets. Work will often involve in-class materials, but there will usually be an alternative assignment if you need to make up the work from home. You will have the option to either complete worksheets by hand, on paper, or typed on your personal laptop or tablet. If completed on paper, you must submit clear, legible photos of your work to Canvas. Some assignments might require a computer. This category also includes occasional Pre-Lab or Post-Lab Homework. Lab assignments may be completed late, but you are responsible for making the time to do so.

Field Trips

We will spend at least part of most lab meeting times in the field. Usually, our field location will be Hookton Slough, but there may be other field trips as well. You are responsible for arranging your own transportation to and from field trips. Field meeting times will account for travel time from the CR Eureka Campus and thus field trips will not interfere with your classes scheduled before or after this class.

There may be an opportunity for you to attend a weekend oceanography cruise on Cal Poly Humboldt's research vessel, the R/V Coral Sea. The dates for the trips are Oct 14 and 15, and there are two cruises on each day, at either 8 am or 1 pm. CR student participation is contingent on availability. If there is more interest than availability, there will be a lottery. To ensure fairness, equity towards those who have less flexible weekend schedules, and purity of motivation for attendance, no XP (nor any other form of "credit" or "extra credit") will be awarded for attendance on the R/V Coral Sea Cruise.

Food and Drink in the Classroom

Given that this class meets for three hours, it is understandable that you might like to bring a small snack and you'll of course want to stay hydrated. I trust that you can discern for yourself what constitutes a "small snack" rather than a full-on meal. However, if food in the classroom becomes an issue that is interfering with learning, we may need to establish a clearer food and drink policy.

COVID-19 and Other Health Precautions

Humboldt County and CR have lifted mask mandates and therefore it is your choice to mask or not in the classroom and in the field. We must understand however, that this policy is subject to change according to guidance from health professionals.

There are a couple of important things we can do to keep each other healthy and to keep class running in-person. The first is to make sure that we are all vaccinated and are receiving booster shots and seasonal flu shots as recommend. The second is to stay home if you feel sick, if you test positive for

COVID-19, or if you have had a significant exposure to someone who is sick or has tested positive. Staying home when you feel sick will help protect our community from not only COVID-19 and flu, but also other illnesses! There will always be an alternate option for you to complete any work that you miss on account of illness.

Class Participation and Attendance Policy

If you must miss a lab meeting, please check the class-time outline to see what you missed. Usually, lab activities have a section detailing how you can complete the activity from home if you were absent. Sometimes lab activities span more than one week, and the work done in one week is prerequisite to the work in the next week. It is therefore critical that you get caught up as soon as possible.

If you are facing circumstances that result in more than one week of absence and/or result in your inability to make up activities from home, please contact me. I will be willing to work with your needs to help you get work made up when you can, so that you can get caught up in class, including granting extensions if necessary.

Students who do not attend the first lab session and have not contacted me prior or participated in Canvas activities for OCEAN 10 or 10L will be dropped as "no show." Additionally, school policy allows me to initiate a withdrawal for a student who has "excessive absences" at any point prior to the *Last day for faculty-initiated W* deadline. For this course "excessive absences" will be defined as missing two or more consecutive lab meetings **with no communication with the instructor**. It is your responsibility to participate in this course on a regular basis and to let me know if you need to miss class. If you intend to withdraw from the class, it is also your responsibility to do so through Web Advisor before the deadline. Do not assume that I will initiate the drop.

Contacting Your Instructor

You are welcome to catch me before and after lab or during self-paced work time to ask a quick question or establish a meeting time for a longer discussion. You may also contact me through Pronto or Canvas messages. See the OCEAN 10 syllabus for more details.
For longer one-on-one meetings, or lab make-ups, I am often available after lab time and can be available before lab if arranged in advance.

Important Dates

Spring 2023 Dates

- Classes begin: 8/19/23
- First in-person lab meeting: 8/24/23 (this class only)
- Participate to avoid no-show drop by 8/24/23 (policy for this class only)
- Last day to drop without a W and receive a refund: 9/01/23
- Last day for student or faculty-initiated W (no refund): 10/27/23
- Fall break and Thanksgiving (no class this week): 11/20/23 – 11/25/23
- Final examinations: 12/09/23 – 12/15/23 (possible optional meeting for OCEAN 10L TBD)
- Semester ends (no assignments accepted after 11:59 pm): 12/15/23

For other important dates, see the *Admissions and Records Calendar*

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.

Setting Your Preferred Name and Pronouns 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.

You can set your pronouns in Canvas in your account settings. If you haven't already, please do, it's very helpful for online classes!

Canvas Information

"Canvas" by Instructure is the online home for this class, where you will access course materials. This lab class is listed separately from the lecture section in Canvas, so be sure that you are checking both classes regularly if you are concurrently enrolled.
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)

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.

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.

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

Tentative Schedule

Week	Date	Lab topics/activities	Online Quizzes
1	Aug 24	Nautical Charts	
2	Aug 31	Intro to Hookton Slough Beach Survey Techniques	Nautical Charts Quiz
3	Sep 7	Beach survey	
4	Sep 14	Construct Beach Profile Intro to Field Equipment	
5	*Sep 21*	*Instructor personal day – no class* *Online Tectonics Lab*	Beach Survey Quiz
6	Sep 28	Hookton Data Plankton Microscope Observation	

Week	Date	Lab topics/activities	Online Quizzes
7	Oct 5	Hookton Analysis (temp and salinity) Hookton Data R/V Coral Sea Cruise Intro/Prep	Tectonics Quiz
8	Oct 12	Hookton Data collection and Analysis Plankton Microscope Observation R/V Coral Sea Cruise Intro/Prep	
Sat/ Sun	*Oct 14/15*	*Optional R/V Coral Sea Cruises contingent on availability - 8am and 1 pm*	
9	Oct 19	Hookton Data R/V Coral Sea Data Analysis	Plankton Quiz
10	Oct 26	Water Masses Lab Part 1 Hookton Data	
11	Nov 2	Water Masses Lab Part 2 Hookton Data	Hookton Project Mid-Way Quiz
12	Nov 9	Hookton Analysis Hookton Data	Water Masses Quiz
13	Nov 16	Ocean Sediments Hookton Data	
Break	*Nov 23*	*Thanksgiving – No Class*	
14	Nov 30	Beach profile 2 (if time) Table Bluff observation Hookton Data	Ocean Sediments Quiz
15	Dec 7	Construct Beach profile – compare Hookton Analysis and Report Hookton Data	Hookton Project final Quiz
Finals		Optional make-up lab time TBD Final Hookton Project Report due	

This schedule is tentative and *highly* subject to change. Please see the most current schedule in the "Modules" tab in Canvas.