

Course Information

Semester & Year: Spring 2024

Course ID & Section #: BIOL-5-E5837

Instructor's name: Maria Morrow

Lecture: Mondays & Wednesdays, 10:05-11:10am, SC204

Lab: Tuesdays & Thursdays, 1:15-4:25pm, SC108

Course units: 4.0

Instructor Contact Information

Office location: SC216-D (in the U of faculty offices, back left corner)

Office hours: by appointment, but usually available Tuesday/Thursday 9:30-11:30am

Phone number: (707) 476-4472

Email address: maria-morrow@redwoods.edu

Catalog Description

A comparative study of plant, fungal, and algal structure and function, with additional studies of developmental biology, phylogeny/systematics, plant ecology, and conservation biology.

NOTE: This course is intended for biology majors.

Course Student Learning Outcomes

1. Recognize structural characteristics of plant, fungal, and algal groups, and use these characteristics to define their phylogenetic relationships. (LEC/LAB)
2. Correlate plant form with function at cellular and whole organism levels. (LEC/LAB)
3. Describe specific examples of how plants, fungi and algae interact at the population, community and ecosystem levels, and how the flow of energy and matter maintain ecosystem function. (LEC)
4. Use the scientific method and inquiry-based laboratory tools to critically evaluate and explain observable phenomena. (LAB)

Required Materials

All required materials are available for free on our Canvas site and via LibreTexts. A printed copy of the lab manual is available through the CR Bookstore. Physical copies of the textbook and photographic atlas must be printed or ordered through Libretxts.org.

• Textbook: [Botany by Ha, Morrow, and Algiers](#) (2021)

• Lab Manual: [Botany Lab Manual by Morrow](#) (2020) – you can also print the individual labs from our Canvas page.

Recommended: [A Photographic Atlas for Botany by Morrow](#) (2021) and colored pencils or pens

Evaluation & Grading Policy

Grades in this course are weighted as follows:

- **40% Lab Practicals** - at the end of each of the three units, we'll have a lab practical. There will be stations set up

all over the lab that you will work through answering questions about, as well as performing skill-related tasks. We'll practice for these with our weekly lab quizzes. The first one will be worth 40 points, the second one is worth 60 points, and the final lab practical is worth 100 points. This way even if you struggle with the first lab practical, you can make it up with the final.

- **30% Lecture Assessments** - at the end of each of the three units, you'll have at least a week to complete an assessment based on the lecture content. These will take place in class on the Lecture Assessment days marked on your schedule.
- **15% Lab Quizzes** - every Tuesday at the start of class, we'll have a quiz on the previous week's labs. These quizzes are low-stakes (a relatively small percent of your final grade) and are intended to give you practice for the unit lab practicals. These keep you up on studying the material and practicing your skills.
- **15% Lecture Notes** - because our lectures are online, I need a way to make sure you are engaging with the lecture content. For each lecture, you'll take detailed notes that you'll bring to lab each day. The lecture material will prepare you for the lab, so it is essential that you watch the lecture and take notes BEFORE the lab they are related to. Notes must be good quality for full points.

Assignments must be submitted on time for credit. Any plagiarism or identified use of AI to complete projects can result in a 0 for the assignment and a report to the Chief Student Services Officer. 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](#).

College of the Redwoods has a standardized grading system for converting percentage points to GPA:
>92% A, 90-92% A-, 87-89% B+, 83-86% B, 80-82% B-, 77-79% C+, 70-76% C, 60-69% D, <60% F

Notes About Our Class

Taking notes on the lecture content is a required part of the course and is a part of your individual assignments grade. You can attend these in person or watch the recorded lectures online. Lecture assessments will take place IN PERSON, so make sure not to miss these days.

If you need information about what you missed in class on a particular day or what we are doing for a future class, you'll need to find it on Canvas or ask a classmate. If you need to contact me (Maria) about something that is relatively simple, you can email me at maria-morrow@redwoods.edu. **If you need to talk to me about something more serious** that might require a longer answer or some discussion, you'll need to make an effort to speak to me in person. You can request a time to meet via email or talk to me before or after class. This will ensure that we can have additional information, options, and support during a more difficult or serious conversation.

Important Dates:

You will have lab practicals on **2/13, 3/26, and 5/2**. You will have lecture assessments on **2/12, 3/20** (submit online), and **5/1**. Your final will be due on **5/8**.

We will have **two off-campus field trips** at the end of the semester: Friends of the Dunes in Manila (4/25) and the Dennis K. Walker Greenhouse at Cal Poly Humboldt (4/30).

You can find our weekly schedule on [Canvas](#).

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. Our class is a learning community – this includes the classroom, field locations, online environment, and anywhere else we might be interacting. We will use inclusive language, respect identities, show respect to our community members, and assume best intentions where we can.

Canvas & Technological Information

To log into Canvas or 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 \(instructure.com\)](https://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 on Canvas. This does not change your legal name in our records. See the [Student Information Update form](#).

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

Student Support Services

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.

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](#)

To learn more about the resources available to you, click on a title bar below, or click the down arrow to expand them all.

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

Community College Student Health and Wellness

If you are in distress or are with someone at risk right now, call the National Suicide Prevention Lifeline at 1-800-273-TALK (8255) or TEXT 741-741

Timely Care

When you're feeling under the weather physically or distressed mentally, you can find the help you're looking for in just a few quick taps. Students can schedule an appointment anytime via phone, video, and chat. [Visit TimelyCARE here](#)

Mental Health Counseling

Students should text, email, or fax Shawna Bell directly for scheduling and/or services.

Contact info

Text: 707-496-2856

Email: shawnabmft@gmail.com

Fax: 707-237-2318 (voicemail can be left via fax)

Wellness Central

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 [Wellness Central](#).

Counseling

[Counseling & Advising](#) can assist students in need of academic advising and professional counseling services. Visit the Welcome Center in the lower level of the student services building Monday –Friday 9am – 4pm (during the semester, summer hours may vary).

Basic Needs Center

[The Basic Needs Center](#) provides for the health and safety of students by providing access to healthy food, financial resources, and referrals to safe and secure housing. Students can submit a request for services and information [here](#).

Contact info

Phone: 707-476-4153

Email: the-grove@redwoods.edu

Learning Resource Center

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 problems.

EOPS

[Extended Opportunity Programs & Services \(EOPS\)](#)[Links to an external site.](#) provides services to eligible income disadvantaged students including: textbook awards, grants, career academic and personal counseling, transportation assistance, tutoring, laptop, calculator and textbook loans, priority registration, graduation cap and gown, workshops, and more!

TRiO Student Success Program

The TRiO Student Support Services Program provides eligible students with a variety of services including academic advising, career assessments, assistance with transfer, and peer mentoring. Students can apply for the program in [Eureka](#) or in [Del Norte](#).

Veterans Resource Center

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

CalWORKs – California Work Opportunity & Responsibility to Kids (CalWORKs). Provides supportive services to student parents with children under the age of 18, who are receiving cash assistance (TANF **benefits**), to become self-sufficient. Services include: transportation assistance, basic student supplies, tutoring, priority registration, laptop and calculator loans, career, academic, and personal counseling, and more!

Spring 2024 Dates

January 12	Last day to register for classes (day before the first class meeting)
January 13	Classes begin
January 15	Martin Luther King, Jr.'s Birthday Holiday (District-wide closure)
January 19	Last day to add a class
January 26	Last day to drop without a "W" and receive a refund
January 29	Census Date (20% of class)
February 16	Lincoln's Birthday Holiday (District-wide closure)
February 19	President's Day Holiday (District-wide closure)
March 7	Last day to petition to graduate

March 29	Last day for student initiated withdrawal (62.5% of class)
March 29	Last day for faculty initiated withdrawal (62.5% of class)
March 11-16	Spring break (no classes)
April 1st	Cesar Chavez Day (no classes)
May 4-10	Final Examinations
May 10	Last day to file for P/NP Option
May 10	Semester Ends
May 17	Grades due
May 24	Grades available

AI Use Class Policy

Recent advancements in generative artificial intelligence (AI) have made large language models such as ChatGPT and Google's Bard widely available. However, overuse of these tools in this class can undermine your learning and curtail the development of your critical and creative thinking skills. In addition, AI outputs are often unreliable and frequently subject to bias. For these reasons, this class's policy is that AI cannot be used at any point in the completion of class assignments unless specifically included as part of the assignment, including discussion posts. Any or all assignment submissions and discussion posts may be screened by AI detection software, but the real penalty for AI misuse is that you will miss out on an opportunity to learn.

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](#).

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](#) 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](#).

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.

To learn more about campus-specific Emergency Procedures, click on a title bar below, or click the down arrow to expand them all.