

Course Information

Semester & Year: Fall 2024

Course ID & Section #: BIOL-1-V8278

Instructor's name: Linnea Anderson

Day/Time of required meetings: Weekly Canvas check-ins

Number of proctored exams: 0 (2 Unproctored)

Course units: 4

Instructor Contact Information

Office hours: by request via Zoom – evenings and weekends

Email address: linnea-anderson@redwoods.edu

Catalog Description

An introductory course in life science dealing with basic biological concepts including molecular and cell biology, metabolism, heredity, evolution, ecology, natural history, and biodiversity. *Note: This course is designed for non-science majors and nursing/health occupation students. Not open to students who have completed or who are currently enrolled in BIOL-3.*

Course Student Learning Outcomes

1. Apply the scientific method to critically evaluate observable phenomena.
2. Describe attributes of life and how cells fulfill these characteristics.
3. Relate the mechanisms of evolutionary change to the production of biological diversity.

Prerequisites/co-requisites/ recommended preparation

Advisory: ENGL102 - Developing Reading and Writing or ENGL150 - Precollegiate Reading and Writing

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 (such as 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 (such as audio books or 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.

DSPS office locations and phone numbers

Eureka campus

- Phone: 707-476-4280
- Location: Student Services Building, first floor

Del Norte campus

- Phone: 707-465-2324
- Location: Main Building, next to the library

Klamath-Trinity campus

- Phone: 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 Learning Support](#)

Tech support, laptop loans, guides to using Canvas, installing Office 365 for free, and more.

[Library Articles & Databases](#)

Find the best library databases for your research.

[Online Tutoring Resources](#)

Participate in tutoring over Zoom.

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 Klamath-Trinity Office for specific information about student support services at 530-625-4821.

Community College Student Health and Wellness

National Suicide Prevention Lifeline

If you are in distress or are with someone at risk right now, call or text the National Suicide Prevention Lifeline.

Call the National Suicide Prevention Lifeline

1-800-273-TALK (8255)

Text the National Suicide Prevention Lifeline

741-741

Timely Care

When you're not feeling well physically or distressed mentally, Timely Care can offer the help you're looking for in just a few quick taps. Students can schedule an appointment anytime via phone, video, and chat. [Log in or set up an account with Timely Care.](#)

Mental Health Counseling

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

Text: 707-496-2856

Email: shawnabmft@gmail.com

Fax and voicemail: 707-237-2318

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 and Advising](#) can assist students in need of academic advising and professional counseling services. Call, email or stop by one of our offices to make an appointment!

Counseling and Advising office locations and contact info

Eureka campus

- Phone: 707-476-4150
- Location: Student Services Building, first floor
- Email: counseling@redwood.edu
- Hours: Monday through Friday, 9am to 4pm. Summer hours may vary

Del Norte campus

- Phone: 707-476-2300
- Location: Main Building, next to the library
- Hours: Summer hours may vary

Klamath-Trinity campus

- Phone: 530-625-4821
- Email: KT-staff@redwoods.edu
- Hours: 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. [Submit a request for services and information](#).

Basic Needs Center contact info

- Phone: 707-476-4153
- Email: the-grove@redwoods.edu

Learning Resource Center

The Learning Resource Center includes the following resources for students:

Library Services

[Library Services](#) promotes information literacy and provides organized information resources.

Multicultural and Equity Center (MCE)

The [Multicultural and Equity Center](#) is a dynamic and inclusive place that supports all students in their academic and personal journeys at the college. We do this by creating community, home away from home, and a safe place for cultural expression, cross-cultural learning, access to college and dignity

resources, and social justice work opportunities. The MEC is committed to retention and student success by offering activities related to leadership development, student connectedness and student equity. We are a student-centered program that fosters respect for all people.

Academic Support Center

The [Academic Support Center](#) offers tutoring and test proctoring for CR students.

Student Tech Help

[Student Tech Help](#) provides students with assistance around a variety of tech problems.

Extended Opportunity Programs and Services (EOPS)

[Extended Opportunity Programs and Services](#) (EOPS) 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 with the [Eureka TRiO office](#) or the [Del Norte TRiO office](#).

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

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!

Evaluation & Grading Policy

1. Exams (35%)

There will be **two midterm exams**. Each midterm will cover half of the course material. If you need accommodations according to the Americans with Disabilities Act, please let me know 2 weeks prior to any exam. There are NO make-up exams of any kind, unless you have a verifiable and unavoidable circumstance.

2. Homework Quizzes (15%)

Weekly “homework” in the form of open note/book quizzes will be given weekly via **Canvas**. These quizzes will cover lecture material and reading assignments from *Concepts of Biology* for the week. **No late quizzes will be accepted.**

3. Lab Reports (25%)

Each week you’ll complete a lab with experimental data, calculations, and questions. **NO late labs will be accepted.**

4. Interactive Assignments (15%)

Each week you’ll be tasked to complete an interactive assignment. This will include interactive websites, handouts, and/or hands-on tasks. These will get you creatively thinking of the lecture topic for the week. **No late Assignments accepted.**

5. Discussions (10%)

As an online course, you’ll be required to check in regularly to discuss the material. You will be required to participate in discussions weekly via Canvas. There will be a discussion to talk about lecture material with opportunities to earn points for just asking questions. **Missed discussions cannot be made up.**

The purpose of grading is to get an idea of how well you are mastering the material in this course. They help you pinpoint troublesome topics that might trip you up in future courses. There are a billion grades in the gradebook, which means you have a billion opportunities to earn points and improve your grade. Everything in the gradebook is driven by your performance on the assessments in the course...and nothing else. In other words, it doesn’t matter how much I love you...the grades you EARN on assignments will translate into the grade you EARN in the class.

I will use the following scale to determine the letter grade you earn in my class:

A = 100.0 – 93.00%	B+ = 89.99 – 87.0%	C+ = 79.99 – 77.0%	D = 69.99 – 60.0%
A- = 92.99 – 90.0%	B = 86.99 – 83.0%	C = 76.99 – 70.0%	F = < 59.99%
	B- = 82.99 – 80.0%		

I do NOT bump grades higher than the exact percentage you earn. This means that there is no rounding up. Since grade-boundaries are by definition, arbitrary, there is no good rationale for letting the boundaries slide; there will always be a cut-off and there will always be someone who is close, but not quite there. Be grateful for the BILLION opportunities you have to earn points as outlined in this syllabus. The grade reported in Canvas is the grade you will earn in the course.

Fall 2024 Dates

Date	To Remember
August 23	Last day to register for classes (day before the first class meeting)
August 24	Classes begin
August 30	Last day to add a class
September 2	Labor Day Holiday (district wide closure)
September 6	Last Day to Drop & Receive a Refund
September 8	Last Day to Drop w/out a "W"
September 9	Census Date (20% of class)
October 31	Last Day to Petition to Graduate & Petition for Certificate
November 1	Last Day for Student/Faculty Withdrawal
November 11	Veteran's Day Holiday (District Wide Closure)
November 25-26	Fall Break (No Classes)
November 27-29	Thanksgiving Holiday (District Wide Closure)
December 14-20	Final Examinations
December 20	Last Day to File P/NP Option
December 20	Semester Ends
December 27	Grades Due
January 3	Grades Available for Transcript Release

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 [2023-2024 College Catalog](#) and [CR Board and Administrative Policies](#).

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, the policy of this class is that AI cannot be used at any point in the completion of class assignments, including discussion posts. Any or all of your 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. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the [2023-2024 College Catalog](#) and [CR Board and Administrative Policies](#).

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.

Canvas Information

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

For help logging in to Canvas and general tech help, visit [Student Technical Support](#)

Once you're logged in to Canvas, you click on the Help icon on the left menu

Canvas online orientation workshop: [Canvas Student Orientation Course](#)

Setting Your Preferred Name and Pronouns in Canvas

Students have the ability to display personal pronouns and an alternate first name in Canvas. Students may change their pronouns on their own in Canvas (Account :: Settings :: Edit Settings). To request a change to your preferred list name, contact [Admissions & Records](#). 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 \(pdf\)](#).

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 visit [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.

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, visit [Redwoods Public Safety](#).

Klamath-Trinity Campus Emergency Procedures

Please review the responsibilities of, and procedures used by, the College of the Redwoods, Klamath Trinity Instructional Site (KTIS) to communicate to faculty, staff, students and the general public during an emergency. It is the responsibility of College of the Redwoods, Klamath-Trinity Instructional Site (KTIS) to protect life and property from the effects of emergency situations within its own jurisdiction. In the event of an emergency, communication shall be the responsibility of the district employees on scene:

1. Dial 911, to notify local agency support such as law enforcement or fire services.
2. If safe to do so, notify key administrators, departments, and personnel.
3. If safe to do so, personnel shall relay threat information, warnings, to ensure the school community is notified.
4. Contact 530-625-4821 to notify of situation.
5. Contact Hoopa Tribal Education Administration office 530-625-4413
6. Notify Public Safety 707-476-4111.

In the event of an emergency, the responsible district employee on the scene will:

1. Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet.
2. Lock all doors and turn off lights if in lockdown due to an active shooter or similar emergency.
3. Close all window curtains.
4. Get all inside to safe location Kitchen area is best internal location.
5. If a police officer or higher official arrives, they will assume command.
6. Wait until notice of all is clear before unlocking doors.
7. If safe to do so, move to the nearest evacuation point outside building (Pooky's Park), directly behind the Hoopa Tribal Education Building.
8. Do not leave site, unless it has been deemed safe by the person in command.

Fall Schedule (Subject to Change)

Week	Date	Lecture Topic	Textbook Chapter <i>OpenStax Concepts of Biology</i>	Lab
1	Aug 26th to Sept 1st	Introduction to Science	Ch 1: Introduction to Biology (1.2)	Lab 1: Doing Science
		Introduction to Biology	Ch 1: Introduction to Biology (1.1)	
2	Sept 2nd to Sept 8th	Chemistry of Life	Ch 2: Chemistry of Life (2.1-2.2)	Lab 2: Chemistry of Life
		Biological Molecules	Ch 2: Chemistry of Life (2.3)	
3	Sept 9th to Sept 15th	Cell Structure and Function	Ch 3: Cell Structure and Function (3.1-3.3)	Lab 3: Scopes and Cells
		Membrane Transport	Ch 3: Cell Structure and Function (3.4-3.6)	
4	Sept 16th to Sept 22nd	Energy/Enzymes	Ch 4: How Cells Obtain Energy (4.1)	Lab 4: Diffusion and Osmosis
		Cellular Respiration	Ch 4: How Cells Obtain Energy (4.2-4.5)	
5	Sept 23rd to Sept 29th	Photosynthesis	Ch 5: Photosynthesis	Lab 5: Enzymes
		Cell Cycle/Mitosis	Ch 6: Reproduction at the Cellular Level	
6	Sept 30th to Oct 6th	DNA Structure/Replication	Ch 9: Molecular Biology (9.1-9.2)	Lab 6: Fermentation
		Transcription/Translation	Ch 9: Molecular Biology (9.3-9.5)	
7	Oct 7th to Oct 13th	Review	Review Chapters 1-6, 9	Lab 7: DNA
8	Oct 14th to Oct 20th	Exam 1	Exam 1	Lab 8: Mitosis
9	Oct 21st to Oct 27th	Meiosis/Sexual Reproduction	Ch 7: The Cellular Basis of Inheritance and Ch 18	Lab 9: Meiosis & Heredity
10	Oct 28th to Nov 3rd	Mendelian Genetics	Ch 8: Patterns of Inheritance (8.1)	Lab 10: Build a Terrarium
		Laws of Inheritance	Ch 8: Patterns of Inheritance (8.2)	
11	Nov 4th to Nov 10th	Mechanisms of Evolution	Ch 11: Evolution and Its Processes (11.1-11.2)	Lab 11: Human Heredity
		Evidence of Evolution	Ch 11: Evolution and Its Processes (11.3-11.5)	
12	Nov 11th to Nov 17th	Diversity of Life	Ch 12: Diversity of Life	Lab 12: Classification & Tree Thinking
		Diversity of Microbes	Ch 13: Diversity of Microbes, Fungi and Protists	
13	Nov 18th to Nov 24th	Diversity of Protists and Fungi	Ch 13: Diversity of Microbes, Fungi and Protists	Lab 13: Natural Selection
		Diversity Plants	Ch 14: Diversity of Plants	
Nov 25th to Dec 1st		Fall Break - No Classes		
14	Dec 2nd to Dec 8th	Diversity of Animals	Ch 15: Diversity of Animals	Lab 14: Biodiversity Field Trip
		Ecology	Ch 19 and 20: Population/Community Ecology	
15	Dec 9th to Dec 15th	Review	Review (Chapters 7-8, 11-15, 17, 19-20)	Lab 15: Analyze your Terrarium
Finals Week	Dec 16th to Dec 18th	Exam 2	Exam 2	No Lab - Finals Week