Course Information

Semester & Year: Summer 2022
Course ID & Section #: BIOL-1-V4267
Instructor's name: Taylor Morrow
Course units: 4.0
Syllabus subject to change

Instructor Contact Information

Office hours & location: Online by appointment, email me to set up a time
Email address: taylor-morrow@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 *(from course outline of record)*

1. Apply the scientific method to critically evaluate observable phenomena.

2. Describe attributes of life and explain how cells fulfill these characteristics.

3. Relate the mechanisms of evolutionary change to the production of biological diversity.

Required Materials

1. The lab kit from Carolina Biological ($77) - Order your lab kit here:
   https://www.carolina.com/catalog/detail.jsp?prodId=581013
2. Microsoft Office Suite (you can get it for free with your CR email here)
3. Concepts of Biology, OpenStax (this is your textbook, it is available for free online)

Accessibility

Students will have access to online course materials that comply with the Americans with Disabilities Act of 1990 (ADA), Section 508 of the Rehabilitation Act of 1973, and College of the Redwoods policies. Students who discover access issues with this class should contact the instructor.

College of the Redwoods is also 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

During COVID19, approved accommodations for distance education classes will be emailed to the instructor by DSPS. In the case of face to face instruction, please present your written accommodation request to your instructor at least one

week before the first test so that necessary arrangements can be made. Last-minute arrangements or post-test adjustments cannot usually be accommodated.

Support for online learners during COVID-19

In response to COVID-19, College of the Redwoods moved the majority of its courses online to protect health and safety. As the faculty and students adjust to this change, clear communication about student needs will help everyone be successful. Please let me know about any specific challenges or technology limitations that might affect your participation in class. I want every student to thrive.

Evaluation & Grading Policy

Late Work: Part of this course is a commitment to timely completion of work so we can discuss and evaluate content together as a learning community. Late work will not be accepted unless you have made previous arrangements with the instructor. These deadlines will be listed in your Canvas Calendar, so be sure to check it regularly.

Assignment Weights:

1. **Labs (30%)** There are two parts to each lab. First, you will work through completing your lab (worth 20 points). Next, you'll take a quiz in Canvas to make sure you got the big concepts covered during the lab (worth 10 points). You will not be able to pass the course if you do not do the labs.
2. **Discussions (20%)** These are my way of both ensuring that you are watching the lectures and engaging in (hopefully) meaningful discussions about the lecture topics with your classmates. You will have to make an initial post answering a prompt about the week's lectures to "open" the discussion forum and see other students' responses. Once the forum is open, you'll have a response requirement that will be detailed in the description of the discussion forum.
3. **Quizzes (20%)** Weekly quizzes are posted on Canvas and will cover lecture material for the week. Every week, quizzes will be posted in that week's module and will be open at least 1 week prior to their due date. No late quizzes will be accepted, so make sure to stay up to date on these!
4. **Exams (30%)** There will be two midterm exams throughout the semester that cover material from both lecture and lab. There will also be a comprehensive final exam.

< 60%	60-69%	70-76%	77-79%	80-82%	83-86%	87-89%	90-92%	93-100%
F	D	C	C+	B-	B	B+	A-	A

Grading Scale:

Important for Nursing Program Students:

- The CR Nursing Program's "Repeatability Rule": Students must earn a cumulative 2.5 GPA in BIOL-2, BIOL-6, and BIOL-7 in order to apply to the CR nursing program. If you pass these classes with C's, you will not earn a 2.5 GPA. Additionally, if you pass a class with a C, you cannot retake it at CR to improve your grade. The only way you can retake a class at CR is if you fail it (with a D or F). Keep this in mind when deciding whether or not to drop one of these 3 biology courses.
- The prerequisites for BIOL-7 (Human Physiology) include: BIOL-6 and CHEM-2 (or 1A). You can't register for BIOL-7 unless you've taken AND PASSED the prerequisites. If you think this might affect you, please plan ahead.
- Before you can register for BIOL-2 (Microbiology), you must be taking, OR HAVE TAKEN, CHEM-2 or CHEM-1A.
- To register for CHEM-2, there are no math prerequisites. To register for CHEM-1A, you need at least MATH-120.
- While CHEM-2 is required for the previous courses, CHEM-1A will also meet the requirement. However, you must have taken either high school chemistry OR CHEM-100 if you want to register for CHEM-1A.

Admissions deadlines & enrollment policies

Summer 2022 Dates

- Admissions deadlines & enrollment policies

- Summer 2022 Dates (at this link: https://www.redwoods.edu/admissions/dates)

- · Classes begin:

- · Last day to add a class:

- · Last day to drop without a W and receive a refund:

- · Census date (or 20% into class duration):

- · Last Day to file P/NP (only courses where this is an option)

- · Last day to petition to graduate or apply for certificate

- · Last day for student-initiated W (no refund):

- · Last day for faculty-initiated W (no refund):

- · Final examinations:

- · Semester ends:

- · Grades available for transcript release: approximately

Students who have experienced extenuating circumstances can complete & submit the ***Excused Withdrawal Petition*** to request an Excused Withdrawal (EW) grade instead of the current Withdrawal (W) or non-passing (D, F & NP) grades. The EW Petition is available from the Admissions and Records Forms Webpage. Supporting documentation is required.

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](#).

Note: Plagiarism is a form of cheating. Therefore, **all written work you turn in must be in YOUR OWN WORDS**. If you choose to use someone else's exact words, you must credit the source and put the words in quotations. If you choose to plagiarize any work for this class, you will receive a zero on the assignment, even if you have permission to work on an assignment with other students from the class. This is particularly important for labs and exams.

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 can have an alternate first name and pronouns 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. It does not change your legal name in our records. See the Student Information Update form.

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 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://www.redwoods.edu/online/Help-Student
Canvas online orientation workshop: https://www.redwoods.edu/online/Home/Student-Resources/Canvas-Resources

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.

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 financial assistance, support and encouragement for eligible income disadvantaged students at all CR locations.
- 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

Schedule

I recommend printing this page and keep it somewhere you will see it regularly!

General Biology, Online, Summer 2022 Schedule:

Week	Lecture Topics	OneNote Lab Assignment	Reading (Concepts of Biology)	Canvas Quiz Due by Sunday 11:59 pm	Discussion Post Due by Friday 11:59 pm
1	Intro to Online Bio Life	No Lab	Liquid syllabus	Q1	D1
1	Science	Lab 2: Documenting Biodiversity	Chapter 12	Q2	D2
2	Plants and Animals	Lab 3: Observing Plants and Animals	Chapter 14 & 15	Q3	None
2	Fungi and Ecology	Lab 4 Observing Fungi	Chapter 13	Q4	None
3	Ecology & the Process of Science	Lab 5: Analyzing Biodiversity	Chapet 19	Q5	D5
3	iNaturalist Data **Exam 1**	Lab 6: Graphing and Data Analysis	Chapter 21	None	None
4	Chemistry	Lab 7: Chemistry of Life	Chapter 2	Q7	chemistry
4	Cells	Lab 8 : Scopes-n-Cells	Chapter 3	Q8	cytoplasmic streaming
5	Energy and Cellular Respiration	Lab 9: Diffusion & Osmosis	Chapter 4	Q9	D9
5	Photosynthesis and **Exam 2**	Lab 10: Cellular Respiration	Chapter 5	Q10	None
6	DNA Structure, Transcription and Translation	No Lab	Chapter 9	Q11	D11
6	Cell DIvision	Lab 11: The Cell Cycle and Cancer	Chapter 6&7	Q12	None
7	Mendelian Genetics and Inheritance	Lab 12: Mendelian Genetics	Chapter 8	Q13	D13
7	Genetic Engineering and Intro to Evolution	Lab 13: Human Inheritance	Chapter 10.1, 10.2 & 11.1	Q14	None
8	Mechanisms of Evolution	Lab 14: Natural Selection	Chapter 11	Q15	D15
8	**Final Exam (Comprehensive!)**				

Hopefully you have already ordered your lab kit so you will have all of the materials you need to get started. If not, you will need to do this as soon as possible! Order your lab kit here:
https://www.carolina.com/catalog/detail.jsp?prodId=581013