

BIOL-3 Syllabus and Course Schedule

Syllabus for BIOL-3 (Fundamental Cell Biology)

Course Information:

- Semester & Year: Spring 2024
 - Course ID & Section #: BIOL-3 E5836
 - Instructor's name: Christopher Callahan
 - Lecture Day/Time: M/W 1:15pm to 2:40pm
 - Location: SC-210
 - Lab Day/Time: Wednesday 2:50pm to 6:00pm
 - Location: SC-104
 - Number of units: 4.0
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Instructor Contact Information

- Office location: SC-216A
 - Office hours: Monday after lecture, Wednesday after lab, or via Zoom by appointment
 - Phone number: 707-476-4257
 - Email address: christopher-callahan@redwoods.edu
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Required Materials

- Textbook Title: Biology including Connect Access Card
 - Edition: 13
 - Author: Raven et al.
 - ISBN: 978-1-264-40878-8
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Catalog Description

A course intended for biology majors covering principles and applications of prokaryotic and eukaryotic cell structure and function, biological molecules, homeostasis, cell reproduction and its controls, classical and molecular genetics, cell metabolism, and cellular communication.

Course Student Learning Outcomes

1. Identify and describe biological molecules and cell structures, and explain their functions.
 2. Compare and contrast cellular processes and interactions between prokaryotes and eukaryotes (including metabolism, reproduction, communication, and genetics).
 3. Explain how DNA replicates and transmits genetic information within organisms.
 4. Apply the processes of scientific inquiry and experimental design to the study of biological concepts.
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Evaluation & Grading Policy

Assignment		Points
Lecture Exams	3 exams (online) @ 100 points each	300
Lab Practical Exam	in-person finals week	50
Syllabus Quiz	must be completed by 1/29	5
Introduction Discussion	must be completed by 1/29	10
SmartBook Reading Quiz	15 quizzes @ 10 points each	150
Homework	various assignments	165
In-person Lab Activities	12 activities @ 10 points each	120
Virtual Lab Activities	10 @ 10 points each	100
	Total Points Attainable:	900

If you receive 95-100% of total points you will receive an A; 90 to 94% earns an A-; 87-89% earns a B+; 84-86% earns a B; 80-83% earns a B-; 75-79 earns a C+; 70-74 earns a C; 60-69% earns a D; and 59% or below earns an F. There is no 'curving' or extra credit opportunities for missed work.

Prerequisites/co-requisites/ Recommended Preparation

CHEM-1A or CHEM-2 with a minimum grade of "C".


Student Feedback Policy


All work will be graded within two weeks of submission for evaluation. Grades will be posted on Canvas and will not be communicated through email. If you would like to discuss grades you'll have to set up a meeting with me.

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](https://www.redwoods.edu/dsps) 






[\(https://www.redwoods.edu/dsps\) for Students \(DSPS\)](https://www.redwoods.edu/dsps)  [\(https://www.redwoods.edu/dsps\)](https://www.redwoods.edu/dsps). If you are unsure whether you qualify, please contact DSPS for a consultation: dsps@redwoods.edu [\(mailto:dsps@redwoods.edu\)](mailto: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](https://www.redwoods.edu/online)  [_\(https://www.redwoods.edu/online\)](https://www.redwoods.edu/online) (Comprehensive information for online students)
- [Library Articles & Databases](https://redwoods.libguides.com/az.php)  [_\(https://redwoods.libguides.com/az.php\)](https://redwoods.libguides.com/az.php)
- [Canvas help and tutorials](https://webapps.redwoods.edu/tutorial/)  [_\(https://webapps.redwoods.edu/tutorial/\)](https://webapps.redwoods.edu/tutorial/)
- [Online Student Handbook](https://www.redwoods.edu/Portals/72/Documents/Students/CR-OnlineStudentHandbook.pdf)  [_\(https://www.redwoods.edu/Portals/72/Documents/Students/CR-OnlineStudentHandbook.pdf\)](https://www.redwoods.edu/Portals/72/Documents/Students/CR-OnlineStudentHandbook.pdf)
- [Online Tutoring Resources](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fredwoods.libguides.com%2FTutoring%2FOnline&data=05%7C01%7CAmber-Atkins%40Redwoods.edu%7Cbcfe068f8aca4941dde408daee9eaea9%7C8c90edff0a7243a795683eb28b3c8f82%7C0%7C0%7C638084662554822741%7CUnknown%7CTWFpbGZsb3d8eyJWlloiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IjEkaWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=IPQnFsRsu_jkzGkSNI2eqR4ofcCFQuSN6PcfuoYRnp5s%3D&reserved=0)  [_\(https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fredwoods.libguides.com%2FTutoring%2FOnline&data=05%7C01%7CAmber-Atkins%40Redwoods.edu%7Cbcfe068f8aca4941dde408daee9eaea9%7C8c90edff0a7243a795683eb28b3c8f82%7C0%7C0%7C638084662554822741%7CUnknown%7CTWFpbGZsb3d8eyJWlloiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IjEkaWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=IPQnFsRsu_jkzGkSNI2eqR4ofcCFQuSN6PcfuoYRnp5s%3D&reserved=0\)](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fredwoods.libguides.com%2FTutoring%2FOnline&data=05%7C01%7CAmber-Atkins%40Redwoods.edu%7Cbcfe068f8aca4941dde408daee9eaea9%7C8c90edff0a7243a795683eb28b3c8f82%7C0%7C0%7C638084662554822741%7CUnknown%7CTWFpbGZsb3d8eyJWlloiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IjEkaWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=IPQnFsRsu_jkzGkSNI2eqR4ofcCFQuSN6PcfuoYRnp5s%3D&reserved=0)


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](https://www.timelycare.com/redwoods)  [_\(https://www.timelycare.com/redwoods\)](https://www.timelycare.com/redwoods)

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

[_mailto:shawnabmft@gmail.com](mailto: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 [↗\(https://www.redwoods.edu/counseling/\)](https://www.redwoods.edu/counseling/) 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 [↗\(https://www.redwoods.edu/student-services/Home/Basic-Needs\)](https://www.redwoods.edu/student-services/Home/Basic-Needs) 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](https://cm.maxient.com/reportingform.php?Redwoods&layout_id=7). [↗\(https://cm.maxient.com/reportingform.php?Redwoods&layout_id=7\)](https://cm.maxient.com/reportingform.php?Redwoods&layout_id=7)

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** [↗\(https://www.redwoods.edu/library\)](https://www.redwoods.edu/library) to promote information literacy and provide organized information resources.
- **Multicultural & Diversity Center** [↗\(https://www.redwoods.edu/student-services/Home/Multicultural-and-Diversity-Center\)](https://www.redwoods.edu/student-services/Home/Multicultural-and-Diversity-Center)
- **Academic Support Center** [↗\(https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.redwoods.edu%2Fasc%2F&data=05%7C01%7CAmber-Atkins%40Redwoods.edu%7Cbcfe068f8aca4941dde408daee9eaea9%7C8c90edff0a7243a795683eb28b3c8f82%7C0%7C0%7C638084662554822741%7CUnknown%7CTWFpbGZsb3d8eyJWljoimc4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikk1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=Riz9ZxeBWEWfM69aT5OdlMsHyFsoonUcvZJLf5yQ1l%3D&reserved=0\)](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.redwoods.edu%2Fasc%2F&data=05%7C01%7CAmber-Atkins%40Redwoods.edu%7Cbcfe068f8aca4941dde408daee9eaea9%7C8c90edff0a7243a795683eb28b3c8f82%7C0%7C0%7C638084662554822741%7CUnknown%7CTWFpbGZsb3d8eyJWljoimc4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikk1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=Riz9ZxeBWEWfM69aT5OdlMsHyFsoonUcvZJLf5yQ1l%3D&reserved=0)) – offers tutoring and test proctoring for CR students.
- **Student Tech Help** [↗\(https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.redwoods.edu%2Fsts&data=05%7C01%7CAmber-Atkins%40Redwoods.edu%7Cbcfe068f8aca4941dde408daee9eaea9%7C8c90edff0a7243a795683eb28b3c8f82%7C0%7C0%7C638084662554822741%7CUnknown%7CTWFpbGZsb3d8eyJWljoimc4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikk1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=%2FJ23kPg%2FGw0UgR98LB1fPf7Gik7JzRZUBESsb1Vzf%2BQ%3D&reserved=0\)](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.redwoods.edu%2Fsts&data=05%7C01%7CAmber-Atkins%40Redwoods.edu%7Cbcfe068f8aca4941dde408daee9eaea9%7C8c90edff0a7243a795683eb28b3c8f82%7C0%7C0%7C638084662554822741%7CUnknown%7CTWFpbGZsb3d8eyJWljoimc4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikk1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=%2FJ23kPg%2FGw0UgR98LB1fPf7Gik7JzRZUBESsb1Vzf%2BQ%3D&reserved=0)) – provides students with assistance around a variety of tech problems.

EOPS

[Extended Opportunity Programs & Services \(EOPS\)](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.redwoods.edu%2Ffeops&data=05%7C01%7CAmber-Atkins%40Redwoods.edu%7C2ce7a088cd704461ad6d08dbf7468e57%7C8c90edff0a7243a795683eb28b3c8f82%7C0%7C0%7C638375654659447953%7CUnknown%7CTWfpbGZsb3d8eyJWljoimc4wLjAwMDAiLCJQljoiv2luMzliLCJBTil6lk1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=4ZgZAvPIPKZksZpUf2og%2BAldVlralzWQwOpvkWmJ8Hw%3D&reserved=0).

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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](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.redwoods.edu%2Ftrio%2Feureka&data=05%7C01%7CAmber-Atkins%40Redwoods.edu%7Cce79e43cea6a49ebd79308dbf80a65bd%7C8c90edff0a7243a795683eb28b3c8f82%7C0%7C0%7C638376495773454304%7CUnknown%7CTWfpbGZsb3d8eyJWljoimc4wLjAwMDAiLCJQljoiv2luMzliLCJBTil6lk1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=W9ZMWZ5n12tljMCwaCBonTi1P89g28a3khXNYLrqEs%3D&reserved=0) 

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[2FdPM0TqWmaanydSee8IXEzY29k3fB2M%3D&reserved=0](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.redwoods.edu%2Ftrinorte%2FTRiO&data=05%7C01%7CAmber-Atkins%40Redwoods.edu%7Cce79e43cea6a49ebd79308dbf80a65bd%7C8c90edff0a7243a795683eb28b3c8f82%7C0%7C0%7C638376495773454304%7CUnknown%7CTWfpbGZsb3d8eyJWljoimc4wLjAwMDAiLCJQljoiv2luMzliLCJBTil6lk1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=7DA4%2BYmUqJ4z%2FdPM0TqWmaanydSee8IXEzY29k3fB2M%3D&reserved=0)).

Veterans Resource Center

The [Veteran's Resource Center](https://www.redwoods.edu/student-services/Home/Vets)  (<https://www.redwoods.edu/student-services/Home/Vets>) 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!

Admissions deadlines & enrollment policies

Spring 2024 Dates

- *Classes begin: 01/13/24*
- *Martin Luther King's Birthday (all campuses closed): 01/15/24*
- *Last day to add a class: 01/19/24*
- *Last day to drop without a W and receive a refund: 01/26/24*
- *Census date: 01/29/24 or 20% into class duration*
- *Lincoln's Birthday (all campuses closed): 02/16/24*
- *President's Day (all campuses closed): 02/19/24*
- *Last day to petition to graduate or apply for certificate: 03/01/24*
- *Spring Break (no classes): 03/11/24 – 03/16/24*
- *Last day for student-initiated W (no refund): 03/30/24*
- *Last day for faculty-initiated W (no refund): 03/30/24*
- *Cesar Chavez Holiday (all campuses closed): 04/01/24*
- *Final examinations: 05/06/24 – 05/12/24*
- *Last day to petition to file P/NP option: 05/10/24*
- *Semester ends: 05/10/24*
- *Commencement: 05/12/24*
- *Grades Due: 05/17/24*
- *Grades available for transcript release: approximately 05/24/24*

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](#))

(<https://redwoods.instructure.com/courses/17788/pages/student-code-of-conduct-and-disciplinary-procedures>) 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](https://www.redwoods.edu/catalog) (<https://www.redwoods.edu/catalog>) and on the [College of the Redwoods website](https://www.boarddocs.com/ca/redwoods/Board.nsf/Public?open&id=policies) (<https://www.boarddocs.com/ca/redwoods/Board.nsf/Public?open&id=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. The Student Code of Conduct ([AP 5500 \(https://redwoods.instructure.com/courses/17788/pages/student-code-of-conduct-and-disciplinary-procedures\)](https://redwoods.instructure.com/courses/17788/pages/student-code-of-conduct-and-disciplinary-procedures)) 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](https://www.redwoods.edu/catalog) (<https://www.redwoods.edu/catalog>) and on the [College of the Redwoods website](https://www.boarddocs.com/ca/redwoods/Board.nsf/Public?open&id=policies) (<https://www.boarddocs.com/ca/redwoods/Board.nsf/Public?open&id=policies>).

Policies for this Class

Class participation

Lecture and lab are intimately interrelated. The topics you learn about in lecture you see in lab, usually that very week. 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) study of microscope slides or observation of preserved specimens and/or models, to demonstrate form and function; and 2) laboratory experiments to reinforce topics discussed in the lecture portion of this course.

Lecture Exams: There are three lecture exams including the lecture final. Exams are not comprehensive and will only cover new material.

Lab Exam: There is one lab exam at the end of the semester. This exam will cover practical material learned in the lab portion of this class.

SmartBook Reading Quizzes: For each chapter assigned, you will complete the SmartBook Reading Quiz. These quizzes are taken on Connect Biology and are designed to test your reading comprehension as you make your way through the chapter.

Weekly Lab Activities: You will work with classmates to complete lab activities. Completed labs will be due the following lab period at the beginning of class.

Virtual Lab Activities: These lab activities will be conducted online in Connect Biology and are designed to prepare you for the hands-on lab activities.

Homeworks: Homeworks are designed to prepare you for the lecture exams and will be assigned prior to each exam. These will be a mix of activities, some using Connect Biology.

Attendance Policy

You are expected and required to attend all class meetings in person. Lectures will be held every Monday and Wednesday from 1:15pm to 2:40pm in SC-210. Lab activities meet in-person on Wednesday 2:50pm in SC-104. You are expected and required to attend all in-person labs. This is not a self-paced course and you will have assignments due each week. You must complete assignments on time. No late assignments will be accepted and no extra credit opportunities will be given. In the event of Covid exposures, course content may be shifted to online until it is safe to return to the classroom.

Excessive absences without a verified and valid excuse will result in a lower grade up to the discretion of the instructor. Missed lab assignments can not be made up and there are no alternative/extra credit assignments/opportunities. Students with legitimate absences will need to work with the instructor for an alternative assignment.

Academic Integrity and Honor Pledge

As a College of the Redwoods student enrolled in an online class you are expected to conduct yourself with integrity. Please review the [Academic Integrity](#)

(https://redwoods.instructure.com/courses/17788/pages/academic-integrity?module_item_id=876594)

page and then complete the [Syllabus Quiz](#)

([\\$CANVAS_OBJECT_REFERENCE\\$/quizzes/gbb9c559bfdbfbcfe0e0d803a96900cc9?](#)

[module_item_id=g6dfafc729266a7c682d59ebef70150ce](#)) by Monday, January 23rd at midnight.

Information for this Class

Required textbook

You will need to purchase the Raven et al. Biology 13th edition textbook with Connect Access Card from McGraw Hill publishing. The bookstore has this book for purchase at 196.50, however you can purchase the book with Connect Access Card directly from McGraw Hill for cheaper (link will be in Canvas). So you can save some money by buying it direct from the publisher. I will have links on how to do this in Canvas on the first day of class. So for now, please wait to purchase the textbook/Connect Access card so that you can save some money. There are no other materials to purchase for the course.



Preferred Name in Canvas

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact [Admissions & Records](#) [↗\(https://www.redwoods.edu/admissions/Forms\)](https://www.redwoods.edu/admissions/Forms) 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](#) [↗\(https://www.redwoods.edu/Portals/28/A.R.Forms.Docs/Miscellaneous/Student%20Information%20Update.pdf\)](https://www.redwoods.edu/Portals/28/A.R.Forms.Docs/Miscellaneous/Student%20Information%20Update.pdf).


Canvas Information


- Log into Canvas at [My CR Portal](#) [↗\(http://www.redwoods.edu/sso\)](http://www.redwoods.edu/sso)
[↗\(http://www.redwoods.edu/sso\)](http://www.redwoods.edu/sso)
- For help logging in to Canvas, visit [My CR Portal](#) [↗\(http://www.redwoods.edu/sso\)](http://www.redwoods.edu/sso).
- 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 (<mailto:its@redwoods.edu>) or call 707-476-4160
- Canvas online orientation workshop: [Canvas Student Orientation Course \(instructure.com\)](#)
[↗\(https://redwoods.instructure.com/courses/6781\)](https://redwoods.instructure.com/courses/6781)

Technology skills, requirements, and support

- Tech equipment and skills are required for student success, and of equal importance as required textbooks and materials.
 - Students can obtain a free [Office 365 license](https://www.redwoods.edu/Services/Office365)  (includes Word, Excel, PowerPoint and more) with a valid CR email.
 - Before contacting Technical Support please visit the [Online Support Page](http://www.redwoods.edu/online/Help)  (<http://www.redwoods.edu/online/Help>).
 - For password issues with Canvas, Web Advisor or your mycr.redwoods.edu email, contact its@redwoods.edu (<mailto:its@redwoods.edu>) or call 707-476-4160 or 800-641-0400 ext. 4160 between 8:00 A.M. and 4:00 P.M., Monday through Friday.
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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/)  (<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 (<mailto:security@redwoods.edu>) if you have any questions. For more information see the [Redwoods Public Safety](https://www.redwoods.edu/publicsafety)  (<https://www.redwoods.edu/publicsafety>).

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.

Course Schedule

Each week new learning topics will be available in the course modules. Topics are arranged by lecture exam (5 topics per exam). Each week will begin on Tuesday and end the following Monday at midnight. This schedule is subject to change with fair notice.

Week	Monday Lecture 1:15pm to 2:40pm SC-210	Wednesday Lecture 1:15pm to 2:40pm SC-210	Wednesday Lab 2:50pm to 6:00pm SC-104
1	January 15, 2024 MLK Holiday - No Class Meeting	January 17, 2024 Topic 1: The Science of Biology Chapter 1	January 17, 2024 Lab 1: Introduction, Safety, Microbes, and Microscopy
2	January 22, 2024 Topic 2: The Nature of Molecules and Properties of Water Chapter 2	January 24, 2024 Topic 2: The Nature of Molecules and Properties of Water Chapter 2	January 24, 2024 Lab 2: Microscopy
3	January 29, 2024 Topic 3: The Chemical Building Blocks of Life Chapter 3	January 31, 2024 Topic 3: The Chemical Building Blocks of Life Chapter 3	January 31, 2024 Lab 3: Organic Chemistry: Macromolecules
4	February 5, 2024 Topic 4: Cell Structure and Function Chapters 4 & 5	February 7, 2024 Topic 4: Cell Structure and Function Chapters 4 & 5	February 7, 2024 Lab 4: Cell Structure and Function
5	February 12, 2024 Topic 5: Energy and Metabolism Chapters 6 & 7	February 14, 2024 Topic 5: Energy and Metabolism Chapters 6 & 7	February 14, 2024 Lab 5: Enzymes
6	February 19, 2024	February 21, 2024	February 21, 2024

	President's Day Holiday - No Class Meeting	Lecture Exam I (In- person)	Lab 6: Cellular Respiration
7	February 26, 2024 Topic 7: Photosynthesis Chapter 8	February 28, 2024 Topic 7: Photosynthesis Chapter 8	February 28, 2024 Lab 7: Photosynthesis
8	March 4, 2024 Topic 8: Cell Communication and Cell Division Chapters 9 & 10	March 6, 2024 Topic 8: Cell Communication and Cell Division Chapters 9 & 10	March 6, 2024 Lab 8: Cell Division and Cancer Cancer Autopsy Video
9	March 11, 2024 Spring Break - No Class	March 13, 2024 Spring Break - No Class	March 13, 2024 Spring Break - No Class
10	March 18, 2024 Topic 9: Sexual Reproduction and Meiosis Chapter 11	March 20, 2024 Topic 9: Sexual Reproduction and Meiosis Chapter 11	March 20, 2024 Lab 9: Meiosis and Sexual Reproduction
11	March 25, 2024 Topic 10: Patterns of Inheritance Chapter 12	March 27, 2024 Topic 10: Patterns of Inheritance Chapter 12	March 27, 2024 Lab 10: Mendelian Genetics
12	April 1, 2024	April 3, 2024	April 3, 2024 Lab 11: Human Genetics

	<p>Cesar Chavez Holiday - No Class Meeting</p> <p>Lecture Exam II (online)</p>	<p>Topic 11: The Chromosomal Basis of Inheritance, and Human Genetics</p> <p>Chapter 13</p>	
13	<p>April 8, 2024</p> <p>Topic 12: DNA: The Genetic Material</p> <p>Chapter 14</p>	<p>April 10, 2024</p> <p>Topic 12: DNA: The Genetic Material</p> <p>Chapter 14</p>	<p>April 10, 2024</p> <p>Lab 12: DNA Lab I - Alu Gene Extraction and PCR</p>
14	<p>April 15, 2024</p> <p>Topic 13: Genes and How they Work; Control of Gene Expression</p> <p>Chapters 15 & 16</p>	<p>April 17, 2024</p> <p>Topic 13: Genes and How they Work; Control of Gene Expression</p> <p>Chapters 15 & 16</p>	<p>April 17, 2024</p> <p>Lab 13: DNA Lab II - Alu Gene Visualization and Electrophoresis</p>
15	<p>April 22, 2024</p> <p>Topic 14: Genes Within Populations</p> <p>Chapter 20</p>	<p>April 24, 2024</p> <p>Topic 14: Genes Within Populations</p> <p>Chapter 20</p>	<p>April 24, 2024</p> <p>Lab 14: DNA Lab III - Witness for the Whales and DNA Sequence Analysis</p>
16	<p>April 29, 2024</p> <p>Topic 15: The Evidence for Evolution</p> <p>Chapter 21</p>	<p>May 1, 2024</p> <p>Topic 15: The Evidence for Evolution</p> <p>Chapter 21</p>	<p>May 1, 2024</p> <p>Lab 15: Evolution</p>
17	<p>May 6, 2024</p> <p>Final Lecture Exam (online)</p>		<p>May 8, 2024</p> <p>Lab Practical Exam in Person</p>

			1:00pm to 3:00pm SC-104
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