# BIOL-1 Syllabus and Course Schedule

# Syllabus for BIOL-1 (General Biology)

## Course Information:

- Semester & Year: Fall 2020
- Course ID & Section #: Biol-1 V1391
- Instructor's name: Christopher Callahan
- Day/Time:  Online
- Location: Online
- Number of units: 4.0

## Instructor Contact Information

- Office location:  Online
- Office hours:  Tues 2pm on Zoom or by appointment
- Phone number: 707-465-2379
- Email address: christopher-callahan@redwoods.edu

## Required Materials

- Textbook Title:  OpenStax College Biology
- Edition: 2e
- Author: OpenStax College
- ISBN: N/A
- Other requirements: Biology Lab Kit

## 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 some nursing/health occupation students. The course is not intended for life science and related majors.

## 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.

## Evaluation & Grading Policy

| Assignment | | Points |
|---|---|:---:|
| Lecture Exams | 3 exams @ 100 points each | 300 |
| Lab Practical Exams | 2 exams @ 50 points each | 100 |
| Syllabus Quiz | must be completed by 8/24 | 5 |
| Lab Safety Quiz | must be completed by 8/24 | 5 |
| Chapter Quiz | 12 quizzes @ 10 points each | 120 |
| Homework | 10 assignments @ 10 pts each | 95 |
| Discussion Board | 10 discussions @ 10 pts each | 100 |
| Lab Activities | 15 activities @ 15 points each | 225 |
| Research Project | | 50 |
| | **Total Points Attainable**: | **1000** |

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

None

## Student Feedback Policy

All work will be graded within one week 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 Zoom appointment with me.

# Institutional Policies

## 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** **(http://www.redwoods.edu/dsps)** (DSPS). Students may make requests for alternative media by contacting DSPS based on their campus location:

- Eureka: 707-476-4280, student services building, 1$^{st}$ 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.

## Admissions deadlines & enrollment policies

Fall 2020 Dates

- *Classes begin: 8/22/20*
- *Last day to add a class: 8/28/20*
- *Last day to drop without a W and receive a refund: 9/4/20*

- *Labor Day (all-college holiday): 9/7/20*
- *Census date: 9/8/20 or 20% into class duration*
- *Last day to petition to file P/NP option: 9/18/20*
- *Last day to petition to graduate or apply for certificate: 10/29/20*
- *Last day for student-initiated W (no refund): 10/30/20*
- *Last day for faculty initiated W (no refund): 10/30/20*
- *Veteran's Day (all-college holiday): 11/11/20*
- *Fall break (no classes): 11/23/20-11/28/20*
- *Thanksgiving (all-college holiday): 11/25/20-11/27/20*
- *Final examinations: 12/12/20-12/18/20*
- *Semester ends: 12/18/20*
- *Grades available for transcript release: approximately 1/8/21*

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/12125/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)** and on the **College of the Redwoods website　(https://www.boarddocs.com/ca/redwoods/Board.nsf/Public?open&id=policies)** .

## 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/12125/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)** and on the **College of the Redwoods website (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 Practical Exams*: There are two lab practical exams. Exams are not comprehensive and will only cover new material since the previous exam.

*Weekly Chapter Quizzes:* Each week you will take a quiz covering that week's lecture material. We will not have a quiz on the week we take a lecture exam, you will still have quizzes on the week of a lab practical.

*Discussion Board:* There are a total of 10 discussion board topics. You will be required to make an initial post by Friday at midnight of that week. You then will respond to at least two of your fellow classmates by the following Monday at midnight. There are no make ups if you miss the discussion board.

*Research Project:* You will work individually to write up a paper, in scientific format, of your plant growth project.

*Homeworks:* Homeworks are designed to prepare you for the lecture exams and will be assigned prior to each exam.

## Attendance Policy

This is an online class and as such you have the freedom to choose when you engage with course content, however, there are strict deadlines on when assignments will be due. 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.

## 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/12125/pages/academic-integrity?module_item_id=355068)** page and then complete the **Syllabus Quiz (https://redwoods.instructure.com/courses/12125/quizzes/46176?module_item_id=355070)** by Monday, August 24th at midnight.

# Information for this Class

## Recommended textbooks & other materials

All textbooks will be provided to you for free. You will receive a lab kit for free, however you will be responsible to purchase various other miscellaneous kitchen supplies to complete lab activities (e.g., milk, vinegar, etc). Please refer to the **Online Orientation Letter (https://redwoods.instructure.com/courses/12125/pages/biol-1-online-orientation-letter)** for more details

## 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)** 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)** .

## Canvas Information

Please see **Online Orientation Letter (https://redwoods.instructure.com/courses/12125/pages/biol-1-online-orientation-letter)** for more information

- Log into Canvas at **https://redwoods.instructure.com (https://redwoods.instructure.com/)**
- Password is your 8 digit birth date
- For tech help, email **its@redwoods.edu (mailto:its@redwoods.edu)** or call 707-476-4160

## Technology skills, requirements, and support

Please see **Online Orientation Letter (https://redwoods.instructure.com/courses/12125/pages/biol-1-online-orientation-letter)** for more information

- 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)** .
- 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.

## Student Support Services

The following online resources are available to support your success as a student:

- **CR-Online    (http://www.redwoods.edu/online)** (Comprehensive information for online students)
- **Library Articles & Databases    (https://redwoods.libguides.com/az.php)**
- **Canvas help and tutorials    (http://www.redwoods.edu/online/Canvas)**
- **Online Student Handbook    (http://www.redwoods.edu/Portals/72/Documents/Students/CR-OnlineStudentHandbook.pdf)**

**Counseling and Advising    (http://www.redwoods.edu/counseling/)** offers academic support and includes academic advising and educational planning

Learning Resource Center includes the following resources for students:

- **Academic Support Center    (http://www.redwoods.edu/asc)** for instructional support, tutoring, and learning resources.
- **Library Services    (https://www.redwoods.edu/library)** to promote information literacy and provide organized information resources.
- Multicultural & Diversity Center
- Math Lab & Drop-in Writing Center

Special programs are also available for eligible students include

- **Extended Opportunity Programs & Services (EOPS)** **(http://www.redwoods.edu/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** **(https://www.redwoods.edu/trio/eureka)** or in **Del Norte (https://www.redwoods.edu/delnorte/TRiO)**
- The **Veteran's Resource Center** **(https://www.redwoods.edu/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.

- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821
- The **Honors Program** **(https://www.redwoods.edu/Honors/)** helps students succeed in transferring to a competitive four-year school.

---

## 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 (https://www.cccstudentmentalhealth.org/health-wellness-for-students/)** .
- **Wellness Central** **(https://ccconlineed.instructure.com/courses/1895?cf_id=2248)** 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 (mailto: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 (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 Page** **(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.

---

# Course Schedule

Each week a new learning topic 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 | Begin Date Tuesday | End Date Monday | Topic |
|---|---|---|---|
| 1 | August 25, 2020 | August 31, 2020 | **Topic 1: Intro to Biology** (https://redwoods.instructure.com/courses/12125/pages/topic-1-introduction-to-biology?module_item_id=355072) |
| 2 | September 1, 2020 | September 7, 2020 | **Topic 2: Viruses and Pandemics** (https://redwoods.instructure.com/courses/12125/pages/topic-2-viruses-and-pandemics?module_item_id=355074) |
| 3 | September 8, 2020 | September 14, 2020 | **Topic 3: Scientific Method** (https://redwoods.instructure.com/courses/12125/pages/topic-3-scientific-method?module_item_id=359320) |
| 4 | September 15, 2020 | September 21, 2020 | **Topic 4: Chemistry of Life** (https://redwoods.instructure.com/courses/12125/pages/topic-4-chemistry-of-life?module_item_id=355076) |
| 5 | September 22, 2020 | September 28, 2020 | **Topic 5: Macromolecules** (https://redwoods.instructure.com/courses/12125/pages/topic-5-macromolecules?module_item_id=355078) Lecture Exam I |
| 6 | September 29, 2020 | October 5, 2020 | Topic 6: Cell Structure & Function |
| 7 | October 6, | October 12, | Topic 7: Cell Energy |

| | 2020 | 2020 | |
|---|---|---|---|
| 8 | October 13, 2020 | October 19, 2020 | Topic 8: Cell Respiration |
| 9 | October 20, 2020 | October 26, 2020 | Topic 9: Photosynthesis<br><br>Lab Practical Exam I |
| 10 | October 27, 2020 | November 2, 2020 | Topic 10: DNA Structure and Function |
| 11 | November 3, 2020 | November 9, 2020 | Topic 11: Mitosis and the Cell Cycle |
| 12 | November 10, 2020 | November 16, 2020 | Topic 12: Meiosis and Development |
| 13 | November 17, 2020 | November 23, 2020 | Topic 13: Mendelian Genetics |
| 14 | November 24, 2020 | November 30, 2020 | **Thanksgiving Break (https://redwoods.instructure.com/courses/12125/pages/thanksgiving-no-class-this-week)** |
| 15 | December 1, 2020 | December 7, 2020 | Topic 14: Human Genetics |
| 16 | December 8, 2020 | December 14, 2020 | Topic 15: Evolution<br><br>Lab Practical Exam II |
| 17 | December 15, 2020 | Friday, December 18 | Final Lecture Exam |