

Course Information

Semester & Year: Fall 2019
Course ID & Section #: Biol-8 D8549
Instructor's name: C. Callahan
Day/Time: Tues/Thur 1230pm – 325pm
Location: New Science Lab
Number of units: 4.0

Instructor Contact Information

Office location: E4
Office hours: Tues 1130am -1215pm, or by appointment
Phone number: 707-465-2379
Email address: christopher-callahan@redwoods.edu

Required Materials

Textbook Title: Textbook will be issued to student on 1 st day of class at no charge.
Edition:
Author:
ISBN:
Other requirements: Disposable gloves for dissection (nitrile, latex, etc.)

Catalog Description

A survey of human biology focusing on concepts in cell biology, genetics, anatomy, physiology, disease, and evolution as they relate to the human body. Students apply and evaluate these concepts in laboratory activities that include microscopy, experimentation, and dissection.

Note: This course satisfies life science general education requirements at CR and CSU. Students who have completed BIOL-1 should NOT take this course, unless they are planning on entering the LVN program. This course is required in the first semester of the LVN program. If you have completed BIOL-1, BIOL-6 and BIOL-7, please speak with a counselor or advisor before enrolling in this class.

Course Student Learning Outcomes

1. Use the scientific method to design experiments that include data collection and analysis.
2. Describe the structural, metabolic and reproductive characteristics of diverse cell types related to human health, and explain how changes in cell function can be correlated with disease.
3. Relate the structure and function of human organ systems to the maintenance of bodily homeostasis.
4. Describe specific examples of the genetic basis of human anatomy, physiology, behavior and disease, and explain how genetic variation impacts human evolution.

Evaluation & Grading Policy

Grading and Point Breakdown

Lecture Exams	3 exams (100 points each)	300
Online Quizzes	4 quizzes (15 points each)	60
Homework	5 homeworks	140
Poster Project	student presentation	50
Lab Practical Exams	2 practical exams (50 points each)	100
Total points attainable		650

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

Graded work will be returned within 2 weeks of submission for evaluation. Grades will be posted on CANVAS. Grades will not be communicated through email, however you may visit my office hours to discuss grades and graded work.

Institutional Policies

Special accommodations statement

College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability-related services and accommodations, please see me or contact [Disability Services and Programs for Students](#). 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

Admissions deadlines & enrollment policies

Fall 2019 Dates

- *Last day to add a class: 8/23/19*
- *Last day to drop without a W and receive a refund: 9/6/19*
- *Census date: 9/9/19*
- *Last day to petition to graduate or apply for certificate: 10/31/19*
- *Last day for student-initiated W (no refund): 11/1/19*
- *Last day for faculty initiated W (no refund): 11/1/19*
- *Veteran's Day (all campuses closed): 11/11/19*
- *Fall break (no classes): 11/25/19 – 11/30/19*
- *Thanksgiving (all campuses closed): 11/28/19 – 11/29/19*
- *Final examinations: 12/14/19 – 12/20/19*

- *Semester ends: 12/20/19*
- *Grades available for transcript release: approximately 1/6/20*

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](#).

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](#).

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. Most labs focus on a particular topic and contain three main types of activities: 1) study of microscope slides or 2) observation of gross anatomical models and dissection of preserved specimens, and 3) observation of human cadavers to learn anatomy and to demonstrate form and function. You are assigned specific exercises in your lab handouts to complete and are expected to answer all questions and make all observations and drawings on the extra paper in your lab notebook.

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.

Online Quizzes: There are four online quizzes that cover lab material. Generally, these quizzes will be assigned prior to a lab practical and are intended for your review.

Student Presentation: You will work individually or in a group of two to research a topic on a genetic disorder or disease and present your findings to the class in a poster format. Presentations will be given in the last week of regular class.

Homeworks: There will be a total of 5 homeworks assigned in the class. Homeworks are designed to prepare you for the lecture exams and will be assigned prior to each exam.

Human Cadaver Policy

We are fortunate to have the opportunity to use real human cadavers for the study of human anatomy. Our cadaver donors are on loan from UC Davis. Our agreement with them requires that **no pictures or videos are ever taken of our cadavers**. No cell phones or cameras are allowed in the cadaver lab. If this rule is broken, you will be dropped from the class and given a failing grade. You will sign a waiver explaining the rules for appropriate cadaver use prior to our first cadaver lab. You will only be observing the cadaver and no dissections will be performed by students. Prosection will be done by qualified staff from College of the Redwoods.

It is mandatory that students show respect for the donors at all times. When you agree to participate in this course, you are agreeing to respect the cadavers and abide by our privacy rules.

No food or drinks are allowed in the lab.

No cameras, cell phones, video recorders, or other image capturing devices are allowed in the cadaver lab.

No photography or video capture of the cadavers is allowed.

Personal Protective Equipment (PPE): You will provide your own gloves (nitrile, latex, or dish gloves). Safety goggles/glasses are available in the lab. Please wear appropriate clothing to lab. No open-toed shoes are allowed. Lab coats are available for use in the lab, but you may prefer to bring your own, or perhaps a set of scrubs. You do not want to wear your best clothes for dissections and/or cadaver use.

Attendance Policy

Students are expected and required to attend all class meetings. If you are absent on any day of the first week of class you will be dropped from the course and your seat will be given to a student on the waitlist. Missed labs can not be made up. If you do miss class please get notes from a fellow classmate. You will only be allowed to complete a make-up exam if you notify me ahead of time and have a verifiable excused absence. Habitual or excessive absence may result in a faculty drop. Generally if you miss more than six classes you may be dropped.

Information for this Class

Recommended textbooks & other materials

All textbooks will be provided to you for free. There are no associated costs with this course other than providing your own disposable gloves for dissection.

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 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 6 digit birth date

For tech help, email its@redwoods.edu or call 707-476-4160

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](#) (includes Word, Excel, PowerPoint and more) with a valid CR email.

Before contacting Technical Support please visit the [Online Support Page](#). For password issues with Canvas, Web Advisor or your mycr.redwoods.edu email, contact 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](#) (Comprehensive information for online students)
- [Library Articles & Databases](#)
- [Canvas help and tutorials](#)
- [Online Student Handbook](#)

[Counseling and Advising](#) offers academic support and includes academic advising and educational planning

Learning Resource Center includes the following resources for students

- [Academic Support Center](#) for instructional support, tutoring, learning resources, and proctored exams.
- [Library Services](#) to promote information literacy and provide organized information resources.
- Multicultural & Diversity Center [waiting for hyperlink and Mission]
- Math Lab & Drop-in Writing 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
- The [Honors Program](#) helps students succeed in transferring to a competitive four-year school.

Emergency procedures / RAVE

College of the Redwoods has implemented an emergency alert system. In the event of an emergency on campus you can receive an alert through your personal email and/or phones at your home, office, and cell. Registration is necessary in order to receive emergency alerts. Please go to <https://www.GetRave.com/login/Redwoods> and use the "Register" button on the top right portion of the registration page to create an account. During the registration process you can

elect to add additional information, such as office phone, home phone, cell phone, and personal email. Please use your CR email address as your primary Registration Email. Your CR email address ends with “redwoods.edu.” Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions.

[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 see the [Redwoods Public Safety Page](#). In an emergency that requires an evacuation of the building:

- 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.