

BIOLOGY 365 Animal Physiology Course Outline

Fall 2021 A01

Department of Biology, University of Victoria

Course Description:

The course will cover fundamentals of animal physiology including: principles of cellular signaling, endocrinology, neuronal function and nervous system organization, cellular movement and muscle contraction, circulation, respiration, digestion, salt/water balance and renal function.

Laboratory exercises will provide the opportunity to gain experiential learning for the study of physiological processes.

Course instructors and coordinators:

Dr. Raad Nashmi raad@uvic.ca "BIOL 365" in the subject line

Phone: 250-721-6169

Dr. Nicole Templeman nmtempleman@uvic.ca "BIOL 365" in the subject line

Time and Place: Sept 8 – Dec 3, 2021; Tues, Wed, Fri 10:30am – 11:20am; HSD building room A240 (HSD A240); and online

In accordance with the new province-wide restrictions, as of August 25 everyone must wear a mask at all times in public indoor settings and indoor common areas. This includes classrooms and labs.

Unfortunately, there was not a large enough classroom to accommodate all students. The HSD A240 classroom can only accommodate 154 students, so these are the registered students who can attend the lecture in person. We want to facilitate as many students as possible, so we have also opened an online section of the course to accommodate previously waitlisted students. The students in this online section will not be able to attend the lecture hall but do have access to live stream and recorded online lectures. These online lectures both live stream and recorded can be accessed through Brightspaces at bright.uvic.ca with your Netlink ID and passphrase.

Office hours for Drs. Nashmi and Templeman: by appointment

Text book (required):

Moyes, Christopher D and Schulte, Patricia M (2015) Principles of Animal Physiology. 3rd edition. Pearson / Benjamin Cummings, San Francisco. Note that the 2nd edition is also acceptable

Lecture recordings and live-streaming:

Please be aware that our lectures will be recorded (using 'Echo360'), to allow students who are not able to attend in person to view the lecture material. Any student who has privacy concerns regarding these recordings should please speak with one of the instructors privately.

To view the live-streamed lectures and access the recordings, you must click the '**Echo360 videos, Biol365**' link in the Lecture Videos module on Brightspace to gain access to the content. It is necessary for you to enter Echo360 **using this link** at least once, in order to establish the initial relationship between your account, the Brightspace course, and the Echo360 course. Clicking this link takes you to

your Echo360 library/course within Brightspace, and there you can open the live stream (which is signified by a green dot) or access the other recordings. Lecture recordings will be available for the duration of the semester.

Course material:

All course material is found at <http://bright.uvic.ca/> including **lecture notes and recordings of the lectures.**

All course content and materials are made available by instructors for educational purposes and for the exclusive use of students registered in their class. The material is protected under copyright law, even if not marked with a ©. Any further use or distribution of materials to others requires the written permission of the instructor, except under fair dealing or another exception in the Copyright Act. Violations may result in disciplinary action under the Resolution of Non-Academic Misconduct Allegations policy (AC1300).

Prerequisites: All students in Biology 365 must have taken BIOL 184 and 186, or 190B; and 225; and BIOC 299 or 300B or 300A as a pre- or co-requisite.

Labs: You must attend the lab section in which you are registered during the week of Sept. 13. Wait-listed students may attend which ever lab section is convenient during that week, but the final assignment of a lab section is at the discretion of Kimberley Curry, the lab coordinator. Contact Kimberley Curry for any general lab concerns.

Senior Lab instructor:

Kimberley Curry (office: CUNN 110, phone: 250-721-7136, email: cellbiol@uvic.ca)
office hours: by appointment

Laboratory safety: You must follow all safety regulations as specified by your lab instructor.

Evaluation:

Lectures 70%

 First midterm exam 15% (tentatively October 8, 2021)

 Second midterm exam 20% (tentatively November 16, 2021)

 Final exam 35% (scheduled by Records)

Labs 30%

Midterms and final exam will be done face-to face for all students. To accommodate all students for the midterm exams a larger classroom will be assigned, so the midterms will likely be scheduled in the evening.

Students MUST pass BOTH the laboratory and the lecture components of the course in order to earn a passing grade.

Note: Sept 24 is the last day for adding courses in the first term and Oct 31 is the last day for withdrawing from first-term courses without penalty of failure.

Midterm and Final Exams:

Exams will be based on information covered in lectures and may include questions that overlap with material covered in the lab. Students are responsible for any material discussed in class, drawn on

board, etc, that may not be in the textbook. Hence, attendance in class is strongly recommended. The final exam will be cumulative.

Failure to write a midterm test will result in a grade of 0% for the exam. If you miss a midterm test for a valid reason (illness, accident, family affliction, or sporting commitments as a UVic athlete), please contact the instructor as soon as possible (no later than 48 hrs from the date of the exam). No documentation is required for illness but provide suitable documentation for any other reasons. If you qualify for a missed midterm test, you will be accommodated so that you will not incur any penalty.

The final exam can be deferred in cases of illness, accident, family affliction, or sporting commitments as a UVic athlete. If you miss or expect to miss the final exam for any of these reasons, please notify the instructor. No documentation required for illness but supporting documentation is required for other mentioned reasons. You must also fill out a Request for Academic Concession form, available from the Records office, as soon as possible in order to have your request for deferral considered. Travel plans are not a valid reason for missing the midterm test or the final exam.

No supplemental final exam will be given in this course as per Biology Dept. policy.

Grading: The final grade for the course will be submitted as a percentage grade (rounded to the nearest whole percent by our spreadsheet program).

Please do not ask us to raise your grade, and please do not ask us for extra-credit work to raise your grade; no such work is available.

Academic regulations and policies:

Please read the appropriate section of the current UVic Academic Calendar regarding your rights and obligations. In particular, students are to take note of the ADD/DROP dates published in the Calendar and posted on the Undergraduate Records website. **Students must not assume they will be dropped automatically from any course they do not attend.**

UVic's Policy on Academic Integrity:

Students are encouraged to read the University's policy on academic integrity:

https://www.uvic.ca/calendar/undergrad/index.php#/policy/Sk_0xsM_V

We reserve the right to use plagiarism detection software or other platforms to assess the integrity of student work.

Student conduct:

The University of Victoria is committed to promoting critical academic discourse while providing a respectful and supportive learning environment. All members of the university community have the right to this experience and the responsibility to help create such an environment. The University will not tolerate racism, sexualized violence, or any form of discrimination, bullying or harassment. Please be advised that, by logging into UVic's learning systems or interacting with online resources, and course-related communication platforms, you are engaging in a university activity. All interactions within this environment are subject to the university expectations and policies.



We acknowledge and respect the ləkʷəŋən peoples on whose traditional territory the university stands and the Songhees, Esquimalt and W̱SÁNEĆ peoples whose historical relationships with the land continue to this day.