

BIOLOGY 365 Animal Physiology Course Outline

Fall 2022 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 7 – Dec 5, 2022; Tues, Wed, Fri 10:30am – 11:20am;
Hickman Building (HHB) room 105; and online

While masks are no longer required in most public spaces, we strongly encourage you to wear a mask in indoor spaces on campus according to UVic policy (<https://www.uvic.ca/covid19/>). This includes classrooms and labs. Also if you are sick, please stay at home.

There will be live streamed online lectures that can be accessed through Brightspace.

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

Course material:

Material such as course outline, class schedule, exam results and presentation lecture notes will be available on Brightspace (<http://bright.uvic.ca/> with your Netlink ID and password). To view the live streamed lectures, you must click the 'Echo360 live stream, Biol365' link in the Lecture Live Stream module on Brightspace. 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). Please be aware that automated transcription and captioning is at best 70-90% accurate and by nature will include error.

Please also note that live stream recordings will be available for approximately 1 day following the live stream on Brightspace but will be removed thereafter.

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. 12. 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 60%

First midterm exam 15% (tentatively October 11, 2022)

Second midterm exam 15% (tentatively November 16, 2022)

Final exam 30% (scheduled by Records)

Labs 40%

Completion Requirements:

You must successfully pass BOTH the laboratory and the lecture components of the course to earn a passing grade. Furthermore, for the lecture component, you must write the first midterm, second midterm and final exam to fulfill the requirements of the course.

Midterms and final exam will be done face-to face for all students.

Note: Sept 23 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.

Midterms and Final Exam:

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 you will be expected to provide suitable documentation for any other reasons. If you qualify for a missed midterm test, you will be given the opportunity to write a deferred midterm exam without incurring 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 WSÁNEĆ peoples whose historical relationships with the land continue to this day.