

# **BIOLOGY 365 Animal Physiology Course Outline**

**Fall 2018 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 hands-on experience for the study of physiological processes.

## **Course instructor and coordinator:**

Dr. Raad Nashmi [raad@uvic.ca](mailto:raad@uvic.ca) "BIOL 365" in the subject line

Phone: 721-6169

**Time and Place:** Sept 5 – Dec 5, 2018; Tues, Wed, Fri 10:30am – 11:20am; Room 125 Engineering and Computer Science Bldg

**Office hours:** by appointment, 259b Cunningham.

## **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 2<sup>nd</sup> edition is also acceptable

## **Course material:**

All course material is found at <http://coursespaces.uvic.ca/>

**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. 10. 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: 721-7136, email: [biophys@uvic.ca](mailto:biophys@uvic.ca))

office hours: by appointment

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

## **Evaluation:**

Lectures 60%

Midterm exam 25% (October 16, 2018)

Final exam 35% (scheduled by Records)

Labs 40%

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

**Note: Sept 21 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. 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 with emphasis on material covered since the midterm exam.

The midterm test and final exam will consist of multiple choice questions and MAY include short answer questions.

*You must present your UVic student identification card during the midterm test and final exam.*

Failure to write the midterm test will result in a grade of 0% for the exam. If you miss the midterm test for a valid reason (documented 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) and provide suitable documentation for your absence. 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 documented illness, accident, family affliction, or sporting commitments as a UVic athlete. If you miss or expect to miss the exam for any of these reasons, please notify the instructor and produce supporting documentation as soon as possible. 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 me 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 attend to 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.**