

COURSE SYLLABUS

Biol 339 Animal Physiology - Fall 2024

**Please enter "BIOL339" in subject line of emails*

Course TAs, Location and Timing:

Listed on the course onQ page

Technology:

OnQ Learning Management System: The site for this course should be visible to enrolled students on OnQ which is accessed through [MyQueensU](#). Course announcements will be posted in onQ so please ensure that you have opted-in to notifications to your email or SMS.

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1. *Intended Student Learning Outcomes*

The **overall aim** of this course is to introduce students to and to provide a strong foundation of fundamental knowledge in Animal Physiology, by examining the interactions between animals and their environments, and the specific challenges that they face.

The main themes of this course include:

1. An Introduction to Animal Physiology - Animals and their Environment
2. Water and Salts – Osmolarity, Ion Exchange and water balance
3. Temperature - Thermal Regulation and heat exchange
4. Oxygen – Gas Exchange and Respiration

2. *Assessment of Learning Outcomes*

Detailed instructions for the assessment of Learning Outcomes will be communicated on the onQ site, available in the first week of class.

3. *Textbook and Readings*

The course textbook is:

Animal Physiology - An Environmental Perspective

Patrick Butler, J. Anne Brown, D. George Stephenson and John R. Speakman 2021.
ISBN 978—0-19-965545-8

It is available at the Queen's Bookstore in hard copy as well as in digital format.

4. *Grading Scheme and Grading Method*

Detailed instructions for graded components and associated deadlines will be communicated in weekly folders on the course OnQ site.

Grading Method

All components of this course will receive numerical percentage marks. The final grade you receive for the course will be derived by converting your numerical course average to a letter grade according to Queen's Official Grade Conversion Scale:

Grade	Numerical Course Average (Range)
A+	90-100
A	85-89
A-	80-84
B+	77-79
B	73-76
B-	70-72
C+	67-69
C	63-66
C-	60-62
D+	57-59
D	53-56
D-	50-52
F	49 and below

5. Important Dates

Will be listed in onQ.

The **time commitment for this course** is approx. 110 hours for the term:

- 12 weeks x 2 hours per week in class
- 12 weeks x 2 hour online activity
- 12 weeks x 5 hours per week of private study

6. Statement on Academic Integrity

Queen's students, faculty, administrators and staff all have responsibilities for upholding the fundamental values of academic integrity; honesty, trust, fairness, respect, responsibility and courage (see www.academicintegrity.org). These values are central to the building, nurturing and sustaining of an academic community in which all members of the community will thrive. Adherence to the values expressed through academic integrity forms a foundation for the "freedom of inquiry and exchange of ideas" essential to the intellectual life of the University (see the [Senate Report on Principles and Priorities](#)). Students are responsible for familiarizing themselves with the regulations concerning academic integrity and for ensuring that their assignments and their behaviour conform to the principles of academic integrity. Information on academic integrity is available in the Arts and Science Calendar (see [Academic Regulation 1](#)), on an Arts and Science [website page on academic integrity](#), and from the instructors of this course. Departures from academic integrity include plagiarism, use of unauthorized materials, facilitation, forgery and falsification, and are antithetical to the development of an academic community at Queen's. Given the seriousness of these matters, actions which contravene the regulation on academic integrity carry sanctions that can range from a warning or the loss of grades on an assignment to the failure of a course to a requirement to withdraw from the university.

Plagiarism. Regardless of how and where you retrieve information, the principles of academic integrity apply. Please visit these helpful websites to help you make sure that you are able to write things in your own words:

<https://www.queensu.ca/academicintegrity/students/avoiding-plagiarismcheating>

<https://integrity.mit.edu/handbook/academic-writing/avoiding-plagiarism-paraphrasing>
http://writing.wisc.edu/Handbook/QPA_paraphrase.html

7. Calculator Policy

Occasionally this course requires a calculator for calculation.

8. Technology

This course uses Queen's OnQ Learning Management System for course management. The site for this course should be visible to enrolled students through Queen's OnQ. Please make sure to turn notifications on, so you don't miss any announcements or communications.

Web Browsers. OnQ performs best when using the most recent version of the web browsers. Chrome and Firefox are the recommended browsers for using OnQ.

Internet Speed. While wired internet connection is encouraged, we recognize that students may be relying on a wireless connection. A minimum download speed of 10 Mbps and up to 20 Mbps for multimedia is recommended. To test your internet speed, <https://www.speedtest.net/>

For technology support ranging from setting up your device, issues with onQ to installing software, contact ITS Support Centre: <https://www.queensu.ca/its/itsc>

9. Turnitin Statement

This course uses Turnitin, a third-party application that helps maintain standards of excellence in academic integrity. Normally, students will be required to submit their course assignments through onQ to Turnitin. In doing so, students' work will be included as source documents in the Turnitin reference database, where they will be used solely to detect plagiarism.

Turnitin is a suite of tools that provide instructors with information about the authenticity of submitted work and facilitates the process of grading. Turnitin compares submitted files against its extensive database of content and produces a similarity report and a similarity score for each assignment. A similarity score is the percentage of a document that is similar to content held within the database. Turnitin does not determine if an instance of plagiarism has occurred. Instead, it gives instructors the information they need to select the authenticity of work as a part of a larger process.

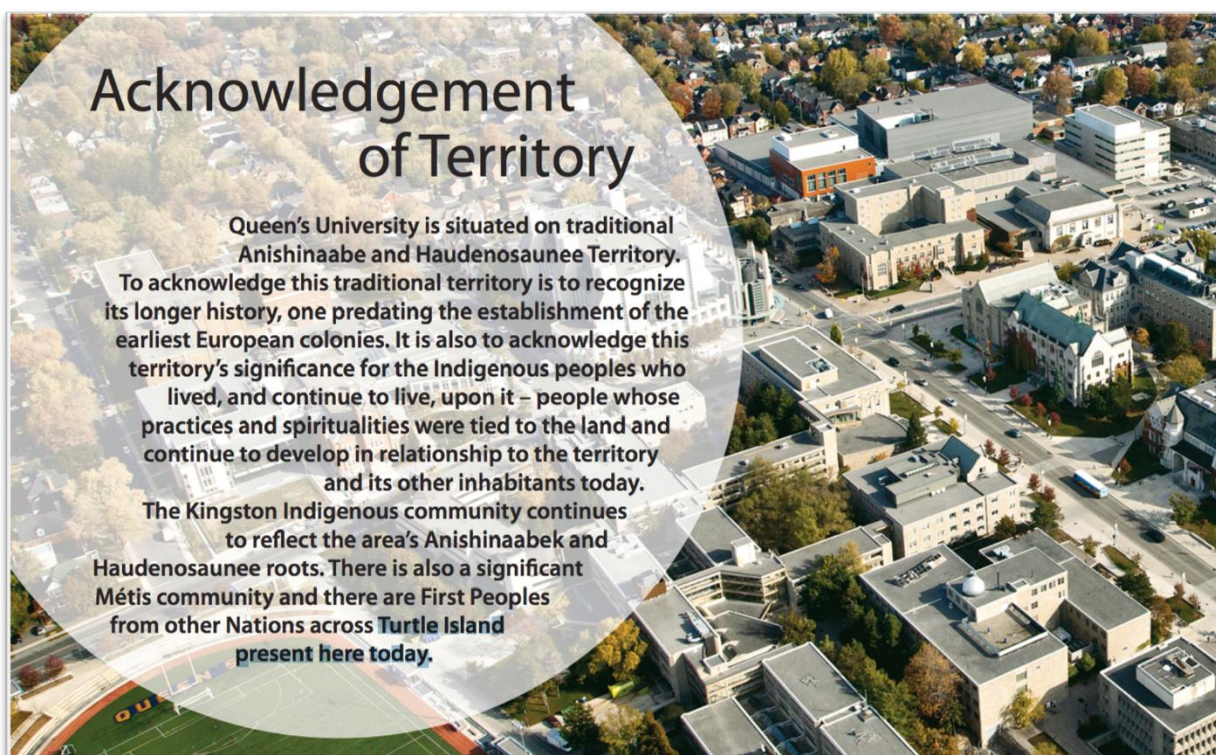
Please read [Turnitin's Privacy Pledge, Privacy Policy, and Terms of Service](#), which govern users' relationship with Turnitin. Also, please note that Turnitin uses cookies and other tracking technologies; however, in its service contract with Queen's, Turnitin has agreed that neither Turnitin nor its third-party partners will use data collected through cookies or other tracking technologies for marketing or advertising purposes. For further information about how you can exercise control over cookies, see [Turnitin's Privacy Policy](#)

Turnitin may provide other services that are not connected to the purpose for which Queen's University has engaged Turnitin. Your independent use of Turnitin's other services is subject solely to Turnitin's Terms of Service and Privacy Policy, and Queen's University has no liability for any independent interaction you choose to have with Turnitin.

10. Copyright of Course Materials

Course materials created by the course instructors, including all slides, presentations, handouts, assignments, and other course materials, are the intellectual property of the instructors. It is a departure from academic integrity to distribute, publicly post, sell or otherwise disseminate an instructor's course materials or to provide an instructor's course materials to anyone else for distribution, posting, sale or other means of dissemination, without the instructors' express consent. A student who engages in such conduct may be subject to penalty for a departure from academic integrity and may also face adverse legal consequences for infringement of intellectual property rights.

11. Acknowledgement of Territory



Credit: Queen's University [Four Directions Indigenous Student Centre](#)

12. Accommodations for Disabilities

Queen's University is committed to achieving full accessibility for people with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all their academic activities. The Senate Policy for Accommodations for Students with Disabilities was approved at [Senate in November 2016](#). If you are a

student with a disability and think you may need academic accommodations, you are strongly encouraged to contact the **Queen's Student Accessibility Services (QSAS)** and register as early as possible. For more information, including important deadlines, please visit the [QSAS website](#).

13. Academic Consideration for Students with Extenuating Circumstances

Queen's University is committed to providing academic consideration to students experiencing extenuating circumstances that are beyond their control and are interfering with their ability to complete academic requirements related to a course for a short period of time. The University has a [Senate Policy on Academic Consideration for Students in Extenuating Circumstances](#). Each Faculty has developed a protocol to provide a consistent and equitable approach in dealing with requests for academic consideration for students facing extenuating circumstances. The Faculty of Arts and Science protocol and the portal where a request can be submitted is: <http://www.queensu.ca/artsci/accommodations>. For guidance on **submitting requests**, please see refer to the Resource Guides available on the [Academic Consideration website](#) under "Applying for Academic Consideration." Students are encouraged to submit requests as soon as the need becomes apparent and to contact their Professors/Course Coordinators as soon as possible once Consideration has been verified. Any delay in contact may limit the Consideration options available.