

PSY352H5S - Animal Behaviour

IN-PERSON

Wednesday 12:00 pm – 3:00 pm **ROOM: MN 1190**

Course Delivery

Winter 2022 Return to Campus Update: In order to curb the spread of COVID-19 amid the emergence of the Omicron variant, most in-person learning has been **delayed until Jan 31, 2022**. Keep in mind this date is subject to change as per the Universities need to monitor any new developments and will be keeping with the latest evidence and public health guidelines.

Delivery Method until January 31, 2022

ONLINE VIA Zoom: Please see the Quercus website for the course to find out how to attend the Zoom lectures which will be offered on-line (synchronous) as mandated by the University until Jan 31, 2022. On-line synchronous delivery means that the course instructor will be delivering the lecture on the dates and times indicated in the syllabus, and you will have the opportunity to interact with him, ask and answer questions during the lecture. In fact, class participation will be rewarded by bonus points.

- Learn Anywhere Guide for Students
<https://library.utm.utoronto.ca/students/quercus/learn-anywhere>
- University of Toronto tech [requirements for online learning](#)

Delivery Method after January 31, 2022.

If possible, the lectures will be delivered live in person and your on-campus, in-class, presence will be required.

Course Information

Dr. Robert Gerlai
robert.gerlai@utoronto.ca

Office Hours (Virtual via zoom):
Wednesdays 11:00 am to 11:55 am
Zoom login instructions/link will be posted on Quercus

Teaching Assistants:
Amira Abozaid
amira.abozaid@mail.utoronto.ca
Taylor Irvine
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TA Office hours will be remotely via Zoom. Link to the Zoom session will be announced via Quercus.

Course Description

An introduction to animal behaviour from a biological perspective, stressing ecological and evolutionary aspects of behaviour. The course will review the neural, endocrine and physiological mechanisms mediating animals' natural behaviours, as well as how gene-environment interactions during development modify these behavioural phenotypes.

Learning Outcome

By the end of this course, you should be able to:

- Develop conceptual understanding of some of the distinct scientific approaches employed to investigate animal and human behaviour, which include evolutionary biology, ethology, experimental psychology, neurobiology and behaviour genetics
- Develop appreciation for the importance of evolution in animal and human behaviour
- Understand concepts of neurobiology as they explain behaviour
- Understand concepts of genetics, including genetic predisposition versus genetic determinism
- Understand numerous behavioural phenomena from antipredatory behaviour through social behaviour and learning and memory to reproductive behaviour.
- Develop a critical mind with which to view complex scientific findings pertinent to the interpretation of behavioural studies
- Learn to communicate effectively, asking and answering questions in front of a friendly audience, the class.

Reading Material

“Animal Behavior: Concepts, methods, and applications.” Second edition, By Shawn E. Nordell, Thomas J. Valone. ISBN: 978-0-19-027674-4. Additional readings, lecture notes and movies will be presented/provided as the course proceeds. Reading the book is essential but not sufficient. Students are required to acquire additional knowledge covered in class.

Course Evaluation

Term test 1 = 22%, **Term test 2** = 22%, Term paper = 22 % **Final examination** = 34%, Class participation bonus marks may also be earned.

IMPORTANT COURSE POLICIES ****PLEASE READ****

Missed Test Special Consideration Request Process

Students who miss a test due to circumstances beyond their control (e.g. illness or an accident) can request that the Department grant them special consideration. Students must present their case to the Department (NOT the Instructor) by submitting a request via the online Special Consideration Request form at: <https://utmapp.utm.utoronto.ca/SpecialRequest>.

Important note: Once the test/exam is available online or in-person and you're unable to write or have an approved request to miss, **DO NOT** at any point attempt to access/write the test/exam. If at any time you access the test/exam or sit down to write, you will **NOT** be able to submit a special consideration and/or your request will be refused.

If your request is approved by the department, the weight of the missed test will be redistributed to the final exam.

Extension of Time Special Consideration Request Process

Students who seek to be granted more time to complete their term work beyond the due date without penalty, owing to circumstances beyond their control (e.g., illness, or an accident), must do so by submitting a request **directly to the Instructor** for the period up to and including the last day of the term. The decision as to whether or not to apply a penalty for the specified period rests with the Instructor.

Students who seek to be granted more time to complete term work beyond the last day of the term must submit their request directly to the Department. This request covers the period following the last day of classes and ends the last day of the exam period. This is done by submitting a request via the online Special Consideration Request form at <https://utmapp.utm.utoronto.ca/SpecialRequest>. You are advised to seek advising by the departmental Undergraduate Counsellor prior to the deadline.

Supporting Documentation

The University is temporarily suspending the need for a doctor's note or medical certificate for any absence from academic participation. However, you are required to use the Absence Declaration tool on ACORN found in the Profile and Settings menu to formally declare an absence from academic participation. The tool is to be used if you require consideration for missed academic work based on the procedures specific to our campus/department.

Missed Final Exam or Extension of Time beyond exam period

Missed final exams or for extensions of time beyond the examination period you must submit a petition through the Office of the Registrar. <http://www.utm.utoronto.ca/registrar/current-students/petitions> and follow their procedures.

Penalties for Lateness

A penalty of 10% per calendar day (i.e., including week-ends and holidays, during which students are not able to submit term work) up to and including the last day of classes, will be applied by the Instructor. After the last day of classes, the penalty of 10% per calendar day will be applied by the Undergraduate Counsellor on behalf of the Department. No penalty will be assigned if request for special consideration, described above, was successful.

Academic Guidelines

It is your responsibility to ensure that you have met all prerequisites listed in the UTM Calendar for this course. If you lack any prerequisites you WILL BE REMOVED from the course up until the last day to add a course. Further information about academic regulations, course withdrawal dates and credits can be found in the University of Toronto Mississauga Calendar at: <http://www.erin.utoronto.ca/regcal/>.

You are encouraged to read this material. If you run into trouble and need advice about studying, preparing for exams, note taking or time management, free workshops and advice are available from the Robert Gillespie Academic Skills Centre at 905-828-5406.

AccessAbility Services

The University provides academic accommodations for students with disabilities in accordance with the terms of the Ontario Human Rights Code. This occurs through a collaborative process that acknowledges a collective obligation to develop an accessible learning environment that both meets the needs of students and preserves

the essential academic requirements of the University's courses and programs. Students requiring academic accommodations for learning, physical, sensory, or mental health disabilities or medical conditions should contact the AccessAbility Office (2037B Davis Building), 905-828-3847.

<http://www.utm.utoronto.ca/accessibility/>

Privacy and Copyright Disclaimer

Option 1: Notice of video recording and sharing (Download and re-use prohibited)

This course, including your participation, will be recorded on video and will be available to students in the course for viewing remotely and after each session. Course videos and materials belong to your instructor, the University, and/or other sources depending on the specific facts of each situation, and are protected by copyright. Do not download, copy, or share any course or student materials or videos without the explicit permission of the instructor. For questions about recording and use of videos in which you appear please contact your instructor.

Lectures and course materials prepared by the instructor are considered by the University to be an instructor's intellectual property covered by the Copyright Act, RSC 1985, c C-42. Course materials such as PowerPoint slides and lecture recordings are made available to you for your own study purposes. These materials cannot be shared outside of the class or "published" in any way. Posting recordings or slides to other websites without the express permission of the instructor will constitute copyright infringement.

Academic Honesty and Plagiarism

Academic integrity is essential to the pursuit of learning and scholarship in a university, and to ensuring that a degree from the University of Toronto Mississauga is a strong signal of each student's individual academic achievement. As a result, UTM treats cases of cheating and plagiarism very seriously.

The University of Toronto's Code of Behaviour on Academic Matters outlines behaviours that constitute academic dishonesty and the process for addressing academic offences. Potential offences include, but are not limited to:

In papers and assignments:

1. Using someone else's ideas or words without appropriate acknowledgement.
2. Submitting your own work in more than one course without the permission of the instructor.
3. Making up sources or facts.
4. Obtaining or providing unauthorized assistance on any assignment.

On tests and exams:

1. Using or possessing unauthorized aids.
2. Looking at someone else's answers during an exam or test.
3. Misrepresenting your identity.

In academic work:

1. Falsifying institutional documents or grades.
2. Falsifying or altering any documentation required, including (but not limited to) doctor's notes.

With regard to remote learning and online courses, UTM wishes to remind students that they are expected to adhere to **the Code of Behaviour on Academic Matters** regardless of the course delivery method. By offering students the opportunity to learn remotely, UTM expects that students will maintain the same academic honesty and integrity that they would in a classroom setting. Potential academic offences in a digital context include, but are not limited to:

Remote assessments:

1. Accessing unauthorized resources (search engines, chat rooms, Reddit, etc.) for assessments.
2. Using technological aids (e.g. software) beyond what is listed as permitted in an assessment.
3. Posting test, essay, or exam questions to message boards or social media.
4. Creating, accessing, and sharing assessment questions and answers in virtual “course groups.”
5. Working collaboratively, in-person or online, with others on assessments that are expected to be completed individually.

All suspected cases of academic dishonesty will be investigated following procedures outlined in **the Code of Behaviour on Academic Matters**. If you have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, you are expected to seek out additional information on academic integrity from your instructor or from other **institutional resources**.

Academic Rights

You, as a student at UTM, have the right to:

- Receive a syllabus by the first day of class.
- Rely upon a syllabus once a course is started. An instructor may only change marks’ assignments by following the University Assessment and Grading Practices Policy provision 1.3.
- Refuse to use University of Toronto’s Detection Tool (you must be offered an alternative form of submission).
- Have access to your instructor for consultation during a course or follow up with the department chair if the instructor is unavailable.
- Ask the person who marked your term work for a re-evaluation if you feel it was not fairly graded. You have up to one month from the date of return of the item to inquire about the mark. If you are not satisfied with a re-evaluation, you may appeal to the instructor in charge of the course if the instructor did not mark the work. If your work is remarked, you must accept the resulting mark. You may only appeal a mark beyond the instructor if the term work was worth at least 20% of the course mark.
- Receive at least one significant mark (15% for H courses, 25% for Y courses) before the last day you can drop a course for H courses, and the last day of classes in the first week of January for Y courses taught in the Fall/Winter terms.
- Submit handwritten essays so long as they are neatly written.
- Have no assignment worth 100% of your final grade.
- Not have a term test worth more than 25% in the last two weeks of class.
- Retain intellectual property rights to your research.
- Receive all your assignments once graded.
- View your final exams. To see a final exam, you must submit an online Exam Reproduction Request within 6 months of the exam. There is a small non-refundable fee.
- Privacy of your final grades.
- Arrange for representation from Downtown Legal Services (DLS), a representative from the UTM Students’ Union (UTMSU), and/or other forms of support if you are charged with an academic offence.

Equity Statement

The University of Toronto is committed to equity and respect for diversity. All members of the learning environment in this course should strive to create an atmosphere of mutual respect. As a course instructor, I will neither condone nor tolerate behaviour that undermines the dignity or self-esteem of any individual in this course and wish to be alerted to any attempt to create an intimidating or hostile environment. It is our collective responsibility to create a space that is inclusive and welcomes discussion. Discrimination, harassment and hate speech will not be tolerated. If you have any questions, comments, or concerns you may contact the UTM Equity and Diversity officer at edo.utm@utoronto.ca or the University of Toronto Mississauga Students' Union Vice President Equity at vpequity@utmsu.ca.

Please note that this outline is subject to change depending on the needs of the class (we may need additional time to cover a topic). Any changes to the syllabus will be announced in class one week before. However, the assignment and test dates are fixed.

Course Outline

Date	Topic	Comments
01-12	Introduction: What is animal behaviour and how can one measure it? (via zoom)	Chapters 1 and 2
01-19	Evolution and Natural selection (via zoom)	Darwin Video, Chapter 3
01-26	Evolution and Natural selection (via zoom)	Darwin Video, Chapter 3
02-02	The neurobiological mechanisms of behaviour: Anatomy, circuitry, cell, synapse and molecules	Chapter 5
02-09	Term Test1: covers topics from	
02-16	The genetics of behaviour	Chapter 4, Roche CD
02-23	Reading week	No Class
03-02	Animal learning & memory: neurobiological mechanisms	Chapter 7
03-09	Cultural transmission, Communication, Cooperation	Chapters 6, 15
03-16	Antipredatory behaviour & foraging	Chapters 8, 9, 10
03-23	Term Test2: covers topics from	
03-30	Aggression & territoriality	Term paper due! Chapter 11
04-06	Reproductive behaviour & sexual selection	Chapters 12, 13, 14

Final exam: During exam period, it is the student's responsibility to be available for the entire exam period.