



COURSE OUTLINE

1. **Course:** ZOOL 567, Animal Behaviour - Winter 2024

Lecture 01 : MWF 14:00 - 14:50 in ST 128

Instructor	Email	Phone	Office	Hours
Mx. Selina Robson (they/them)	selina.robson1@ucalgary.ca			M 16:00-16:50
Dr Mindi Summers	mind.summers@ucalgary.ca	403 220-8761	BI 339	TBA

To account for any necessary transition to remote learning for the current semester, courses with in-person lectures, labs, or tutorials may be shifted to remote delivery for a certain period of time. In addition, adjustments may be made to the modality and format of assessments and deadlines, as well as to other course components and/or requirements, so that all coursework tasks are in line with the necessary and evolving health precautions for all involved (students and staff).

In Person Delivery Details:

Lecture: MWF 14:00-14:50

Room: ST 128

Course Site:

D2L: ZOOL 567 L01-(Winter 2024)-Animal Behaviour

Note: Students must use their U of C account for all course correspondence.

Equity Diversity & Inclusion:

The University of Calgary is committed to creating an equitable, diverse and inclusive campus, and condemns harm and discrimination of any form. We value all persons regardless of their race, gender, ethnicity, age, LGBTQIA2S+ identity and expression, disability, religion, spirituality, and socioeconomic status. The Faculty of Science strives to extend these values in every aspect of our courses, research, and teachings to better promote academic excellence and foster belonging for all.

The Biological Sciences Equity Committee acknowledges there are persistent barriers that prevent such accessibility and hinder our progress towards EDI. Our representatives (faculty, staff, postdocs, graduate and undergraduate students) are committed to addressing any concerns and work towards proactive solutions that enact necessary change within the department. To submit anonymous questions, comments or concerns regarding EDI related issues, please reach out to our Chair, Arshad Ayyaz (arshad.ayyaz@ucalgary.ca), or a committee representative of your choice at <https://science.ucalgary.ca/biological-sciences/about/equity-diversity-and-inclusion>

2. **Requisites:**

See section [3.5.C](#) in the Faculty of Science section of the online Calendar.

Prerequisite(s):

Biology 311, 313 and 371; and one of Ecology 429, Cellular, Molecular and Microbial Biology 403, Zoology 401, 403, 435 or 461.

Antirequisite(s):

Credit for Zoology 567 and Marine Science 546 will not be allowed.

3. **Grading:**

The University policy on grading and related matters is described in [F.1](#) and [F.2](#) of the online University Calendar.

In determining the overall grade in the course the following weights will be used:

Course Component	Weight	Due Date (duration for exams)	Modality for exams	Location for exams
Introduction & Critical Reflection 1 ¹	2%	Jan 12 2024		
Topic selection & articles	5%	Jan 19 2024		
Article markup 1 & annotated bibliography 1	5%	Jan 26 2024		
Online quiz set 1	5%	Feb 02 2024		
Article markup 1-5 & annotated bibliography 1-5	15%	Feb 09 2024		
Online quiz set 2	5%	Feb 16 2024		
Topic Summary	18%	Mar 01 2024		
Critical reflection 2	5%	Mar 08 2024		
SquirrelNet data	10%	Mar 15 2024		
Topic dissemination	20%	Mar 22 2024		
Online quiz set 3	5%	Mar 28 2024		
Wrap-Up & Critical Reflection 3	5%	Apr 09 2024		

¹ Details for all assessments will be available on D2L.

Each piece of work (reports, assignments, quizzes, midterm exam(s) or final examination) submitted by the student will be assigned a grade. The student's grade for each component listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade.

The conversion between a percentage grade and letter grade is as follows.

	A+	A	A-	B+	B	B-	C+	C	C-	D+	D
Minimum % Required	95 %	90 %	85 %	80%	75%	70 %	65 %	60%	55%	50 %	45 %

In the lecture component of the course, we will use the TopHat classroom performance system, where you will be asked to use a cell phone or other device to text answers to questions during class. The use of the TopHat system is optional, but highly recommended to enhance learning in the classroom. If you answer 85% or more of the in-class questions, up to 0.5% will be added to your final grade. If you answer less than 85% of the in-class questions, a grade of 0 will be assigned for this course component, and your final grade will not be modified. It is your responsibility to ensure that your participation is being properly recorded by the TopHat system. In the event of any discrepancy, you must contact the administrators of the TopHat system to have them corrected. Correction of any discrepancies must be done prior to 23:59 on April 9, 2024. If you are unable to use the TopHat system, please contact Mx. Robson within the first week of class to make alternate arrangements.

The University of Calgary offers a [flexible grade option](#). Credit Granted (CG) to support student's breadth of learning and student wellness. Faculty units may have additional requirements or restrictions for the use of the CG grade at the faculty, degree or program level. To see the full list of Faculty of Science courses where CG is not eligible, please visit the following website: <https://science.ucalgary.ca/current-students/undergraduate/program-advising/flexible-grading-option-cg-grade>

4. Missed Components Of Term Work:

In the event that a student legitimately fails to submit any online or in-person assessment on time (e.g. due to illness, domestic affliction, etc...), please contact the course coordinator, or the course instructor if this course does not have a coordinator to arrange for a re-adjustment of a submission date, or possible exemption and reweighing of components. Absences not reported within 48 hours will not be accommodated. Students may be asked to provide supporting documentation ([Section M.1](#)) for an excused absence, See [FAQ](#).

If an excused absence is approved, options for how the missed assessment is dealt with is at the discretion of the coordinator or course instructor. Some options such as an exemption and pro-rating among the components of the course may not be a viable option based on the design of this course.

5. Scheduled Out-of-Class Activities:

There are no scheduled out of class activities for this course.

6. Course Materials:

Recommended Textbook(s):

Rubenstein, D. R., *Animal behavior*: Oxford University Press.
 Nordell, S. E., and Valone, T. J., *Animal Behavior: Concepts, Methods, and Applications*: Oxford University Press.

In order to successfully engage in their learning experiences at the University of Calgary, students taking online, remote and blended courses are required to have reliable access to the following technology:

- o A computer with a supported operating system, as well as the latest security, and malware updates;
- o A current and updated web browser;

- Webcam/Camera (built-in or external);
- Microphone and speaker (built-in or external), or headset with microphone;
- Current antivirus and/or firewall software enabled;
- Stable internet connection.

For more information please refer to the UofC [ELearning](#) online website.

7. Examination Policy:

Certain assignments in this course will permit the use of generative artificial intelligence (AI) tools such as ChatGPT. The default is that **such use is disallowed** unless otherwise stated. Violations of this policy will be considered academic misconduct.

Online D2L quizzes should be completed individually. You are welcome to review your lecture notes and textbooks when answering quiz questions, but all work submitted should be your own thinking. Use of the internet and other electronic resources (e.g., AI) is **not permitted**.

The use of AI is **permitted** for assignments that are part of your **literature review**: articles markups, annotated bibliographies, topic summary, and topic dissemination. You may use AI tools to help generate ideas, brainstorm, direct and refine your writing, and create figures. Any such use must be appropriately acknowledged and cited in the APA referencing style for generative AI. All work that you submit must be your own--you should never include anything that was not written directly by you without proper citation (including quotation marks and in-line citation for direct quotes). Including anything you did not write without proper citation will be considered academic misconduct. It is each student's responsibility to assess the validity and applicability of any AI output that is submitted; the material generated by these programs may be inaccurate, incomplete, or otherwise problematic.

If you choose to use AI for any part of your **literature review**, a description outlining why the AI tool was used/for what purpose, and how it enhanced your assignment, must be included in your **Critical Reflection 2** and/or **Critical Reflection 3**. Critical Reflections are not part of the literature review, and **the use of AI is disallowed** for Critical Reflections.

If you are unsure of whether your use of AI tools is permissible, or how to properly report and credit such usage, please talk to Mx. Robson and Dr. Summers.

Students should also read the Calendar, [Section G](#), on Examinations.

8. Approved Mandatory And Optional Course Supplemental Fees:

There are no mandatory or optional course supplemental fees for this course.

9. Writing Across The Curriculum Statement:

For all components of the course, in any written work, the quality of the student's writing (language, spelling, grammar, presentation etc.) can be a factor in the evaluation of the work. See also Section [E.2](#) of the University Calendar.

10. Human & Living Organism Studies Statements:

If you agree, your course work may be used for research purposes. Your responses will remain anonymous and confidential. Grouped data (no individual responses) may be used in academic presentations and publications. Participation in such research is voluntary and will not influence grades in this course. Students' signed consent forms will be withheld from instructors until after final grades are submitted. More information will be provided at the time student participation is requested.

See also [Section E.5](#) of the University Calendar.

STUDIES IN THE BIOLOGICAL SCIENCES INVOLVE THE USE OF LIVING AND DEAD ORGANISMS. Students taking laboratory and field-based courses in these disciplines can expect involvement with and experimentation on such materials. Students perform dissections on dead or preserved organisms in some courses. In particular courses, students experiment on living organisms, their tissues, cells, or molecules. Sometimes field work requires students to collect a variety of living materials by many methods, including humane trapping.

All work on humans and other animals conforms to the Helsinki Declaration and to the regulations of the Canadian Council on Animal Care. The Department strives for the highest ethical standards consistent with stewardship of the environment for organisms whose use is not governed by statutory authority. Individuals contemplating taking courses or majoring in one of the fields of study offered by the Department of Biological Sciences should ensure that they have fully considered these issues before enrolling. Students are advised to discuss any concern they might have with the Undergraduate Program Director of the Department.

Students are expected to be familiar with [Section SC.4.1](#) of the University Calendar.

11. Reappraisal Of Grades:

A student wishing a reappraisal, should first attempt to review the graded work with the Course coordinator/instructor or department offering the course. Students with sufficient academic grounds may request a reappraisal. Non-academic grounds are

not relevant for grade reappraisals. Students should be aware that the grade being reappraised may be raised, lowered or remain the same. See [Section I.3](#) of the University Calendar.

- a. **Term Work:** The student should present their rationale as effectively and as fully as possible to the Course coordinator/instructor within **ten business days** of either being notified about the mark, or of the item's return to the class. If the student is not satisfied with the outcome, the student shall submit the Reappraisal of Graded Term work [form](#) to the department in which the course is offered within 2 business days of receiving the decision from the instructor. The Department will arrange for a reappraisal of the work within the next ten business days. The reappraisal will only be considered if the student provides a detailed rationale that outlines where and for what reason an error is suspected. See sections [I.1](#) and [I.2](#) of the University Calendar
- b. **Final Exam:** The student shall submit the request to Enrolment Services. See [Section I.3](#) of the University Calendar.

12. Other Important Information For Students:

- a. **Mental Health** The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre, [Mental Health Services Website](#)) and the Campus Mental Health Strategy website ([Mental Health](#)).
- b. **SU Wellness Services:** For more information, see their [website](#) or call [403-210-9355](#).
- c. **Sexual Violence:** The Sexual Violence Support Advocate, Carla Bertsch, can provide confidential support and information regarding sexual violence to all members of the university community. Carla can be reached by email (svsa@ucalgary.ca) or phone at [403-220-2208](#). The complete University of Calgary policy on sexual violence can be viewed [here](#).
- d. **Student Ombuds Office:** A safe place for all students of the University of Calgary to discuss student related issues, interpersonal conflict, academic and non-academic concerns, and many other problems.
- e. **Student Union Information:** [SU contact](#), Email your SU Science Reps: science1@su.ucalgary.ca, science2@su.ucalgary.ca, science3@su.ucalgary.ca.
- f. **Academic Accommodation Policy:**

It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The student accommodation policy can be found at: <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Accommodation-Policy.pdf>

Students needing an accommodation because of a disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities: <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf>.

Students needing an accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, by filling out the [Request for Academic Accommodation Form](#) and sending it to Lisa Gieg by email imgieg@ucalgary.ca preferably 10 business days before the due date of an assessment or scheduled absence.

- g. **Misconduct:** Academic integrity is the foundation of the development and acquisition of knowledge and is based on values of honesty, trust, responsibility, and respect. We expect members of our community to act with integrity. Research integrity, ethics, and principles of conduct are key to academic integrity. Members of our campus community are required to abide by our institutional [Code of Conduct](#) and promote academic integrity in upholding the University of Calgary's reputation of excellence. Some examples of academic misconduct include but are not limited to: posting course material to online platforms or file sharing without the course instructor's consent; submitting or presenting work as if it were the student's own work; submitting or presenting work in one course which has also been submitted in another course without the instructor's permission; borrowing experimental values from others without the instructor's approval; falsification/fabrication of experimental values in a report. Please read the following to inform yourself more on academic integrity:

[Student Handbook on Academic Integrity](#)
[Student Academic Misconduct Policy](#) and [Procedure](#)
[Faculty of Science Academic Misconduct Process](#)
[Research Integrity Policy](#)

Additional information is available on the [Student Success Centre Academic Integrity page](#)

- h. **Copyright of Course Materials:** All course materials (including those posted on the course D2L site, a course website, or

used in any teaching activity such as (but not limited to) examinations, quizzes, assignments, laboratory manuals, lecture slides or lecture materials and other course notes) are protected by law. These materials are for the sole use of students registered in this course and must not be redistributed. Sharing these materials with anyone else would be a breach of the terms and conditions governing student access to D2L, as well as a violation of the copyright in these materials, and may be pursued as a case of student academic or [non-academic misconduct](#), in addition to any other remedies available at law.

- i. **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). Students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information, see [Legal Services](#) website.

- j. **Surveys:** At the University of Calgary, feedback through the Universal Student Ratings of Instruction ([USRI](#)) survey and the Faculty of Science Teaching Feedback form provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses. Your responses make a difference - please participate in these surveys.

Course Outcomes:

- o Distinguish between proximate and ultimate explanations for behaviour.
- o Describe how genetic differences among individuals and species and in the environments in which they develop interact to produce differences in behaviour characteristic of adult animals
- o Compare the rigidity and flexibility of behaviour in different species and conditions under which each might be evolutionarily advantageous
- o Describe sensory modalities of significance in perception of the environment and communication in a variety of animals, including their role in courtship, predation and its avoidance, navigation and migration and how these differ from humans
- o Explain the use of comparative phylogenetic techniques to examine the evolution of behaviours
- o Observe the behaviour of selected animals in the field and explain techniques used to quantify these behaviours
- o Describe the variation in, and the factors underlying, the mating systems of animals
- o Compare social behaviour in different animals with special reference to the caste-based complex societies of insects and the evolution of altruism

Electronically Approved - Jan 04 2024 14:15

Department Approval