



UNIVERSITY OF CALGARY
FACULTY OF SCIENCE
DEPARTMENT OF BIOLOGICAL SCIENCES
COURSE OUTLINE

1. **Course:** ZOOLOGY 567 – ANIMAL BEHAVIOUR

Lecture Sections:	L01	MWF	11:00-11:50	ES 443	WINTER 2016
Instructor(s):	Dr. R. Longair	BI 042	220-7387	longair@ucalgary.ca	
Teaching Ass't:	Stephanie Findlay	BI 332		ericksos@ucalgary.ca	

D2L: ZOOL 567 L01 - (WINTER 2016) – ANIMAL BEHAVIOUR (W2016ZOOL567L01)

Biological Sciences Department BI 186; (403) 220-3140; biosci@ucalgary.ca

2. **Prerequisites:** Biology 313 and one of Biology 371, Ecology 429, Zoology 375, 377 or 477

ANTI-REQUISITES: Credit for both Marine Science 546 and Zoology 567 will not be allowed.

See section 3.5.C in the Faculty of Science section of the online Calendar
(<http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html>)

3. **Grading:** The University policy on grading and related matters is described sections F.1 and F.2 of the online University Calendar. In determining the overall grade in the course the following weights will be used:

Assignment 1 - Observation	10%
Assignment 2	10%
Midterm Exam	40%
Final Examination	40% (To be scheduled by the Registrar)

Each piece of work (assignments, midterm test or final examination) submitted by the student will be assigned a percentage score. The student's average percentage score for the various components 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.

4. **Missed Components of Term Work:** The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in [Section 3.6](#). It is the student's responsibility to familiarize himself/herself with these regulations. See also [Section E.3](#) of the University Calendar

5. **Scheduled out-of-class activities:**

Midterm Lecture Exam: February 29, 2016 @ 1900 (2 hours) TBA

REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME-ACTIVITY. If you have a clash with this out-of-class-time-activity, please inform your instructor as soon as possible so that alternative arrangements may be made for you.

6. **Course Materials:**

Recommended Reading: **Text:** **Alcock, J. Animal Behaviour: An evolutionary approach. 10th ed.**

7. **Examination Policy:** The use of camera devices, MP3 Players and headphones, or wireless access devices such as cell phones, Blackberries, etc., during the examination will not be allowed. Calculators are not allowed for this examination. Students should also read the Calendar, [Section G](#), on Examinations.

8. **Writing across the curriculum statement:** e.g. "In this course, the quality of the student's writing in assignments will be a factor in the evaluation of those assignments." See also [Section E.2](#) of the University Calendar.

9. **Human studies statement:** indicating whether students in the course may be expected to participate as subjects or researchers. See also [Section E.5](#) of the University Calendar.

STUDIES IN THE BIOLOGICAL SCIENCES INVOLVE THE USE OF LIVING AND DEAD ORGANISMS. Students are expected to be familiar with <http://www.ucalgary.ca/pubs/calendar/current/sc-5-1.html> of the on-line calendar.

See also <http://www.ucalgary.ca/pubs/calendar/current/e-5.html>

10. OTHER IMPORTANT INFORMATION FOR STUDENTS:

- (a) **Misconduct:** Academic misconduct (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under [Section K](#). Student Misconduct to inform yourself of definitions, processes and penalties.
- (b) **Assembly Points:** In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on [assembly points](#).
- (c) **Student Accommodations:** Students needing an Accommodation because of a Disability or medical condition should contact Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities available at http://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities_0.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, preferably in writing, to the Associate Head of Biological Sciences, Dr. H. Addy by email addy@ucalgary.ca or phone 403 220-3140.

- (d) **Safewalk:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call 220-5333 for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (e) **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). As one consequence, 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 also <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **Student Union Information:** VP Academic Phone: 403 220-3911 Email: suvpaca@ucalgary.ca
SU Faculty Rep. Phone: 403 220-3913 Email: science1@su.ucalgary.ca, science2@su.ucalgary.ca and science3@su.ucalgary.ca;
Student Ombuds Office: 403 220-6420 Email: ombuds@ucalgary.ca; <http://ucalgary.ca/provost/students/ombuds>
- (g) **Internet and Electronic Device Information:** You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.
- (h) **U.S.R.I.:** At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses (www.ucalgary.ca/usri). Your responses make a difference - please participate in USRI Surveys.

Grading Scale

A	85	C	55
A-	80	C-	50
B+	75	D+	45
B	70	D	40
B-	65	F	<40
C+	60		

Department Approval _____ ORIGINAL SIGNED _____ Date _____

Associate Dean's Approval for
out of regular class-time activity: _____ ORIGINAL SIGNED _____ Date: _____
Z567 co W16; 1/8/2016 9:17 AM

UNIVERSITY OF CALGARY
DEPARTMENT OF BIOLOGICAL SCIENCES

COURSE OUTLINE

ZOOLOGY 567

ANIMAL BEHAVIOUR

TERM: Winter 2016 SECTION NO.: 01

PREREQUISITE(S): Biology 313 and one of Ecology 429, Zoology 375, 377 or 477.

A student may not register in a course unless he has a grade of at least C- in each prerequisite course.

LECTURERS: Dr. R.W. Longair BI 042 longair@ucalgary.ca

LECTURES: M W F 11:00 ES 443

TEXT: Required: Alcock, J. Animal Behaviour, Sinauer Associates, Inc.
10th Edition.

MARK DISTRIBUTION: A. Composition of Final Grade

Assignment 1 - Observation	10%
Assignment 2	10%
Midterm Exam	40%
Final Examination	40% (To be scheduled by the Registrar)

B. Final Exam

There will be a final examination scheduled by the Registrar's Office. It will cover all material included in the course, but will have an emphasis on material covered after the second midterm.

TENTATIVE LECTURE SCHEDULE

Date	Topic	
January	11, 13, 15	Introduction - Animal Behaviour, evolution and natural selection Defining animal behaviour; Proximate and ultimate explanations of behaviour
	18, 20, 22	The Development of Behaviour: Genes and Behaviour
	25, 27, 29	The Development of Behaviour: Environmental influences on behaviour
February	1	Behaviour, genes and environment; the interactive theory of development
	3, 5, 8	Neural and hormonal control of behaviour
	10, 12	Sensory Perception and communication
	15, 17, 19	READING WEEK (no lectures)
	22,24 26	Sensory perception and communication; Migration Comparative approaches to behaviour
	29	Out-of-class Midterm Lecture Exam (lecture cancelled)
March	2	Guest Lecture – S. Findlay - Roost selection in bats
	4, 7, 9, 11, 14, 16	Reproduction: Evolution of sex, sexual selection, and mating systems
	18, 21, 23	Reproduction: Parental care
	25	Good Friday (no lecture)
	28, 30	Social Behaviour: Living in Groups
April	1, 4, 6, 8	
	11	Animal Cognition & Animal Welfare
	13	Animal Behaviour and you ...