

DEPARTMENT OF ANTHROPOLOGY AND ANTHROPOLOGY

**ANTHROPOLOGY 413
Methods in Primatology
Fall 2018**

Lecture: Tues 14:00-16:45

Location: MS 527

Laboratory: Thur 14:00-16:45

Location: Calgary Zoo

Instructor: Dr. Sheila Holmes

Office: 602K

Tel (Main Anthropology Office): 403-220-6516

E-mail: holmess@ucalgary.ca

Office Hours: Tues 10:00-12:00

TA: Laís Pacheco

E-mail: lais.pacheco@ucalgary.ca

The Teaching Assistant is available to meet with students during laboratory hours

Prerequisite(s): Anthropology 311

REQUIRED TEXTS

Patterson JD. 2001. *Primate Behaviour: An Exercise Workbook*. 2nd ed. Prospect Heights, Ill: Waveland Press, Inc.

Setchell JM, and Curtis DJ. 2011. *Field and Laboratory Methods in Primatology: A Practical Guide*. 2nd ed. Cambridge: Cambridge University Press.

COURSE DESCRIPTION

Our goal in this course is to understand research methods commonly used in the study of primate behavioural ecology. Students will be introduced to different types of research questions, data collection, and analysis methods and will learn to apply these in the process of designing a research project and writing a scientific report. The laboratory component of the course gives students the opportunity to practice three observational data collection methods, apply the data to a research question, and present the results in a scientific report. The aim of this course is to help students develop the skills to conduct advanced, independent research in primatology, whether in captivity or in a field environment.

COURSE REQUIREMENTS

Prior completion of ANTH 311 is required for this course. Students are expected to attend lectures and to participate in all assigned exercises. Some of the work for this course will be conducted at the Calgary Zoo, and attendance for scheduled labs is mandatory.

Accommodation will be made for the transportation time of students with courses held on campus immediately prior to lab hours. Students are responsible for materials covered in the textbooks and videos. Classroom materials missed due to absenteeism are the sole responsibility of the student.

COURSE LEARNING OUTCOMES

At the end of this course, students should be able to:

1. **Identify** general primate anatomical, life history and behavioural characteristics, major groupings in the primate evolutionary tree, categories of primate social systems, and the primary behavioural strategies to enhance fitness in primates.
2. **Recall and describe** the theory behind behavioural observation methodology, behavioural observation and ecological methods used in primate studies, and components of the scientific method.
3. **Carry out** behavioural observation techniques to collect original data on captive primates.
4. **Implement** basic descriptive statistical analyses using observational data.
5. **Test** hypotheses using observational data.
6. **Apply** standard practices in scientific writing in a report.
7. **Produce** a scientific report based on behavioural observation data.

IMPORTANT DATES

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|----------------|--|
| September 6 | Official start of classes (no lab this first week) |
| September 11 | First day of lecture |
| November 11-17 | Mid-term break |
| December 7 | Official end of classes |

COURSE ASSIGNMENTS

| Assignment | Due Date | % Total Grade |
|-------------------|-------------|---------------|
| Lab Assignment #1 | October 2 | 10% |
| Test #1 | October 9 | 25% |
| Lab Assignment #2 | November 1 | 20% |
| Test #2 | November 20 | 25% |
| Lab Assignment #3 | December 6 | 20% |

There is no Registrar scheduled final exam for this course. Tests are multiple choice and short answer format. Only basic calculators and pens/pencils may be used for tests. Make-up tests will not be given unless you have written proof of medical or other dire emergency. Exercises submitted late must have written proof of medical or other dire emergency. Without supporting documentation, late penalties may apply, or the assignment may not be accepted. You must contact the instructor (*not* the teaching assistant) via e-mail or telephone the Anthropology Department (403-220-6516) preferably **before** the missed test or assignment and explain the reason for the absence. If you foresee a missed test or assignment due to a personal scheduling conflict, you must contact the instructor at least two weeks prior to the due date. In these cases, make-ups and extensions are at the sole discretion of the instructor.

MARKING GUIDELINES

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|----|------------|----|-----------------|
| A+ | 94.9–100% | C+ | 66.9–70.8% |
| A | 89.9–94.8% | C | 62.9–66.8% |
| A- | 84.9–89.8% | C- | 58.9–62.8% |
| B+ | 79.9–84.8% | D+ | 54.9–58.8% |
| B | 74.9–79.8% | D | 49.9–54.8% |
| B- | 70.9–74.8% | F | 49.8% and below |

A passing grade on any particular component of the course is not essential for the student to pass the course as a whole.

LECTURE SCHEDULE

Subject to change, including reading assignments

Part I. Methods in Primate Ethology

Reading: Paterson Chapters 1-5, Setchell & Curtis Chapter 1

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|--------|---|
| Sep 11 | Introduction to the Course Introduction to Primatology |
| Sep 18 | Behaviour Basics Observational Methods |
| Sep 25 | Research Design Analysis |
| Oct 2 | Scientific Writing Review Part I |
| Oct 9 | Test #1 Organizing Data in Spreadsheets |

Part II. Methods in Field Ecology

Reading: Paterson Exercises 14-19, Setchell & Curtis Chapters 3, 6, 8, 10, 12, 13, 14, 20, 21

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| Oct 16 | Sampling Wild Primate Populations Analysis of Ranging Behaviour |
| Oct 23 | Habitat Sampling Analysis of Primate Diets |
| Oct 30 | Animal Handling & Non-Invasive Techniques Exercise 9 Instruction |
| Nov 6 | Review Part II |

Nov 20 **Test #2**

Nov 20-Dec 4 In-class lab assistance

LABORATORY SCHEDULE & ASSIGNMENTS

Sep 6 – No labs for the first week

Sep 13-Nov 27 – Regular Laboratory Meetings at the Calgary Zoo

We will meet weekly on Thursdays at the Zoo to discuss lab assignments, provide help and feedback, etc. The instructor and/or teaching assistant will be present at these times. There will be some weeks with no scheduled labs, generally the week prior to the deadline for each lab assignment (you will be informed during lab or class regarding these dates). **You must attend scheduled labs to collect data for assignments.** However, if you wish to collect data *beyond* the required minimum observation time, you are free to work independently on assignments at any other time during Zoo business hours.

Oct 2 – Assignment #1 due in class at 2 pm.

Further instructions will be provided in the Sep 13 laboratory.

Nov 1 – Assignment #2 due at the lab meeting at the Calgary Zoo at 2 pm

Further instructions will be provided in the Oct 4 laboratory.

Dec 6 – Assignment #3 due in the drop box outside of the Anthropology & Archaeology Office (ES 620) at 4 pm

Further instructions will be provided on October 30.

ADDITIONAL NOTES

To conduct the research exercises at a minimum cost, students will need to purchase a Student Membership in the Calgary Zoological Society (details to be provided; this year's pass will be \$36.70 with the form provided in lecture on September 11 and student ID). When working at the Calgary Zoo, please do not act as information providers to the public. Please refer curious fellow visitors to the Zoo staff or docents for information on the animals.

Please be respectful of Zoo visitors by allowing them access to viewing areas and walkways, refraining from loud or disruptive conversation, etc. Also, please be respectful to all animals at the Zoo, including avoiding eye contact, refraining from tapping on enclosure glass or otherwise attempting to engage the animals, etc.

Students are not expected to participate as subjects or researchers in research on human subjects (only nonhuman primates!).

Use of internet-enabled laptop computers and tablet devices are permitted in lectures but only for the purpose of note-taking and course-related Internet searches. **Mobile phones are not permitted for any purpose.**

PLAGIARISM AND CHEATING

Plagiarism: “to steal and pass off the ideas or words of another as one’s own” (Webster’s). Plagiarism will not be tolerated and will automatically result in a failing grade for the submission. Any student caught plagiarizing will also be subject to additional University sanctions. Students are expected to be familiar with the Department of Anthropology and Archaeology’s policy on intellectual honesty

DEFERRED EXAMS:

A student who is absent from a test for legitimate reasons must discuss an alternative course of action with the instructor. The instructor at their discretion may transfer the percentage weight for the test to the final examination, if there is a final examination in the course, set another test, etc. An instructor will normally make this decision on the basis of verbal information provided by the student. In the event that an instructor feels that they cannot judge the veracity of the information provided, Students must be aware that they are responsible for payment of any charge associated with the medical assessment and documentation as this service falls outside the realm of services provided by the Provincial Health Care Plan. Deferral of the final exam requires Registrar approval.

ACADEMIC ACCOMMODATIONS

<http://www.ucalgary.ca/access/accommodations/policy>

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

Students needing an Accommodation based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the instructor of this course.

ACADEMIC INTEGRITY

Academic integrity is essential to the pursuit of learning and scholarship in a university, and to ensuring that a degree from the University of Calgary is a strong signal of each student’s individual academic achievements. As a result, the University treats cases of cheating and plagiarism very seriously. Non-academic integrity also constitutes an important component of this program.

For detailed information on what constitutes academic and non-academic misconduct, please refer to the following link: <http://www.ucalgary.ca/pubs/calendar/current/k-2-1.html>

All suspected cases of academic and non-academic misconduct will be investigated following procedures outlined in the University Calendar. If you have questions or concerns about what constitutes appropriate academic behavior 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.

Where there is a criminal act involved in plagiarism, cheating or other academic misconduct, e.g., theft (taking another student's paper from their possession, or from the possession of a faculty member without permission), breaking and entering (forcibly entering an office to gain access to papers, grades or records), forgery, personation and conspiracy (impersonating another student by agreement and writing their paper) and other such offences under the Criminal Code of Canada, the University may take legal advice on the appropriate response and, where

appropriate, refer the matter to the police, in addition to or in substitution for any action taken under these regulations by the University

TEACHING EVALUATIONS / USRI (Universal Student Ratings of Instruction)

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. **Your responses make a difference, please participate!** Website: <http://www.ucalgary.ca/usri/>

Writing Across the Curriculum

Writing skills are not exclusive to English courses and, in fact, should cross all disciplines. The University supports the belief that throughout their University careers, students should be taught how to write well so that when they graduate their writing abilities will be far above the minimal standards required at entrance. Consistent with this belief, students are expected to do a substantial amount of writing in their University courses and, where appropriate, members of faculty can and should use writing and the grading thereof as a factor in the evaluation of student work. The services provided by the Writing Support, part of the Student Success Centre, can be utilized by all undergraduate and graduate students who feel they require further assistance

Emergency Evacuation Assembly Points: In the event of an emergency that requires evacuation, please refer to the following link to become familiar with the assembly points for the class: <http://www.ucalgary.ca/emergencyplan/assemblypoints>

Freedom of Information and Protection of Privacy Act: Freedom of Information and Protection of Privacy Act

The University of Calgary is committed to protecting the privacy of individuals who work and study at the University or who otherwise interact with the University in accordance with the standards set out in the Freedom of Information and Protection of Privacy Act. Please refer to the following link for detailed information: <http://www.ucalgary.ca/legalservices/foip>

The Department of Anthropology and Archaeology's FOIP (Freedom of Information and Privacy) policy requires all reports/examinations to be returned to students during class time or the instructor's office hours. Any term work not picked up will be placed in the Anthropology and Archaeology Office (ES620) for distribution. Any student not wishing to have their work placed in the office must make alternative arrangements with the course instructor early in the term.

Safewalk Information: Campus Security, in partnership with the Students' Union, provides the Safewalk service, 24 hours a day to any location on Campus including the LRT, parking lots, bus zones and University residences. Contact Campus Security at (403) 220-5333 or use a help phone, and Safewalkers or a Campus Security Officer will accompany you to your campus destination.

Faculty of Arts Program Advising and Student Information Resources: Have a question, but not sure where to start? Arts Students' Centre

The Faculty of Arts Students' Centre is the overall headquarters for undergraduate programs in the Faculty of Arts. The key objective of this office is to connect students with whatever academic assistance that they require.

In addition to housing the Associate Dean, Undergraduate Programs and Student Affairs and the Associate Dean for Teaching and Learning, the Arts Students' Centre is the specific home to:

- program advising
- the Faculty's Co-operative Education Program
- the Arts and Science Honours Academy
- the Faculty's Interdisciplinary Programs
- a Student Help Desk

Location: Social Sciences Room 102

Phone: 403.220.3580

Email: ascarts@ucalgary.ca

Website: arts.ucalgary.ca/undergraduate/

For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at (403) 210-ROCK [7625] or visit them at the MacKimmie Library Block.

Contacts for Students Union Representatives for the Faculty of Arts:

arts1@su.ucalgary.ca

arts2@su.ucalgary.ca

arts3@su.ucalgary.ca

arts4@su.ucalgary.ca

Ombudsman's office: <http://www.ucalgary.ca/ombuds/>