

**Department of Anthropology and Archaeology**  
**ANTHROPOLOGY 413**  
**Method & Theory in Primatology**  
**Fall 2017**

**Lecture:** Tues 14:00-16:45  
**Location:** EDC 057

**Laboratory:** Thur 14:00-16:50  
**Location:** Calgary Zoo

**Instructor:** Dr. Steig Johnson  
Office: Earth Sciences 848  
Tel: 403-220-6070  
E-mail: steig.johnson@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*

**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**

In this course, we will address research methods in the study of primate social systems. The laboratory component consists of instruction in observational methodology and exercises. We will take students through the various stages of the research process, including research topics and hypotheses, methodology, data collection, analysis, and presentation. The aim is to help students develop the skills to conduct advanced, independent research in primatology, whether in captivity or in a field environment.

**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, 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, 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.

### **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.

### **IMPORTANT DATES**

September 12	First day of lecture
November 10-13	Mid-term break
December 7	Last day of class

### **COURSE ASSIGNMENTS**

<b>Assignment</b>	<b>Due Date</b>	<b>% Total Grade</b>
Lab Assignment #1	October 10	10%
Test #1	October 17	25%
Lab Assignment #2	November 9	20%
Test #2	November 21	25%
Lab Assignment #3	December 7	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 or the Anthropology Department (220-6516) **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

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*

Sep 12	General Introduction to the Course
Sep 19	Introduction to Primatology
Sep 26	Behaviour Basics Observational Methods
Oct 3	Research Design Analysis
Oct 10	Scientific Writing
Oct 17	<b>Test #1</b> 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*

Oct 24	Sampling Wild Primate Populations Analysis of Ranging Behaviour
Oct 31	Habitat Sampling Analysis of Primate Diets
Nov 7	Exercise 9 Instruction
Nov 14	Animal Handling & Non-Invasive Techniques Review Part II

Nov 21            **Test #2**

Nov 21-Dec 5   In-class lab assistance

## **LABORATORY SCHEDULE & ASSIGNMENTS**

### **Sep 14 – No labs for the first week**

#### **Sep 21-Nov 30** – 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 10 – Assignment #1** due at the lab meeting at the Calgary Zoo at 2 pm

This assignment is based on Exercise 4 in Paterson’s workbook. Further instructions will be provided in the Sep 21 laboratory.

#### **Nov 9 – Assignment #2** due at the lab meeting at the Calgary Zoo at 2 pm

This assignment is based on Exercise 6 in Paterson’s workbook. Further instructions will be provided in the Oct 12 laboratory.

#### **Dec 7 – Assignment #3** due in the drop box outside of the Anthropology & Archaeology Office (ES 620) at 4 pm

This assignment is based on Exercise 9 in Paterson’s workbook. Further instructions will be provided on Nov 7.

## **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; last year’s pass was \$30 + GST but this is subject to change). 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.**

Freedom of Information and Protection of Privacy (FOIP) Act information is available at <http://www.ucalgary.ca/legalservices/foip/>.

Student Union representative contact information is available at <http://www.su.ucalgary.ca>. Information regarding the Student Ombudsperson is available at <http://www.su.ucalgary.ca/page/quality-education/academic-services/student-rights>.

### **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 / USRIS (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](mailto:ascarts@ucalgary.ca)

Website: [arts.ucalgary.ca/undergraduate/](http://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](mailto:arts1@su.ucalgary.ca)

[arts2@su.ucalgary.ca](mailto:arts2@su.ucalgary.ca)

[arts3@su.ucalgary.ca](mailto:arts3@su.ucalgary.ca)

[arts4@su.ucalgary.ca](mailto:arts4@su.ucalgary.ca)

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