
ANTH 413 (LEC01)
Methods in Primatology
GFC Hours 3-3
Spring 2023

Instructor:	Allyson King	Lecture Location:	ST 128
Phone:	403-220-5584	Lecture Days/Time:	M & W 09:00-11:45
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Office:	Earth Sciences 748	Lab Days/Time:	T & Th 09:00-11:45
Office Hours:	Monday 1-3pm, ES 748		
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Prerequisite(s): Anthropology 311

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.

LEARNING OUTCOMES:

The Department of Anthropology and Archaeology is committed to student knowledge and skill development.

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 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.

REQUIRED READINGS AND TEXTBOOKS:

- Teichroeb JA, Corewyn LC, and Patterson JD. 2021. Primate Behavior: An Exercise Workbook. 3rd ed. Long Grove, Ill: Waveland Press, Inc. Available at the UCalgary Bookstore.
- Setchell JM, and Curtis DJ. 2011. Field and Laboratory Methods in Primatology: A Practical Guide. 2nd ed. Cambridge: Cambridge University Press. Available at the UCalgary Bookstore.
- Readings from the scientific literature as indicated in the Lecture Schedule. Links will be provided on D2L.

REQUIRED TECHNOLOGY and EQUIPMENT:

- A computer and/or cell phone with a supported operating system, as well as the latest security and malware updates.
- **A Top Hat Account:** Accounts can be set up at <https://app.tophat.com/register/student/>. The join code is and password for the course TBA.
- There is a D2L site for this course which contains information on assignments and other relevant class resources and materials (see <https://d2l.ucalgary.ca>).

SUPPLEMENTARY FEES

To conduct the research exercises at a minimum cost, students will need to purchase a special Student Membership in the Calgary Zoological Society which is available at a discounted rate (\$36.70). Forms for this will be given out on May 3rd in lecture.

COURSE REQUIREMENTS AND ASSESSMENT

Lecture Top Hat Questions – 5% – in person throughout the semester

- 2-3 multiple-choice questions on Top Hat will be presented at each lecture based on content covered in assigned readings (see attached schedule).
- Scoring will be based 50% on answer correctness and 50% on completion.

Lab Assignments – 15% Total (5% each) – submitted to D2L

- Assignment 1 (Behavioral Inventory & Profile Data) – Due Fri May 12th
 - Based on Exercises 2 & 4 in Teichroeb et al. Workbook
- Assignment 2 (Scan Sampling Data) – Due Wed May 24th
 - Based on Exercise 6 in Teichroeb et al. Workbook
- Assignment 3 (Focal Sampling Data) – Due Fri June 9th

- Based on Exercise 9 in Teichroeb et al. Workbook

Lab Quizzes – 5% Total (2.5% each) – in person during labs

- Scan Sample Quiz – In Lab on May 18th or 23rd
- Focal Sample Quiz – In Lab on June 6th or 8th
- Quizzes are (closed book) oral assessments. For each quiz, students will verbally conduct one 3-min sample in the presence of the instructor or TA.
- Quizzes will be scored based on the accuracy of and timeliness with which behaviors are recorded. The species of primate for which quizzes are performed on will be determined by the instructor/TA based on nonhuman primate activity and visibility on the given day.
- Students will be quizzed on only one of the specified lab days. The date of each student's quiz will be randomly assigned in lab on May 16th (Scan Quiz) and June 1st (Focal Quiz).

Written Reports – 30% Total – submitted to D2L

- Exercise 6 Report – 10% - Due May 26th
- Exercise 9 Report – 20% - Due June 15th
- Reports will include the results of data analyses, one data table, one figure, a discussion of results, and a list of references cited. References should be from peer-reviewed publications. Full assignment descriptions will be available on D2L.

Midterm Exam – 20% – May 31st

- This is a 75-minute exam that will take place in class. It is closed book.
- The exam will cover material from lecture, labs, and readings assigned since the beginning of term through the end of Week 4 of class (inclusive).
- The format will be a mixture of multiple-choice and short-answer questions.
- Students are permitted use of basic calculators for the exam.

Final Exam – 25% – TBD by Registrar (June 19-21)

- This is a 90-minute exam that will be scheduled by the registrar.
- The exam will cover material from lecture, labs, and readings for Weeks 5-7 of the course. It is not a cumulative final exam.
- The format will be a mixture of multiple-choice and short-answer questions.
- Students are permitted use of basic calculators for the exam.

Absence, Deferral, and Grading Policies

- Exams, assignments, and quizzes may only be deferred in the case of serious illness or medical emergency, religious observance, or domestic affliction (see: <https://www.ucalgary.ca/registrar/exams/deferred-final-exams>). The instructor must be notified **before** the exam, if at all possible. In all cases, the instructor must be contacted within 48 hours of the missed exam or quiz.
- Students who do not contact the instructor within this 48-hour period forfeit the right to a makeup exam. Once approved by the instructor, the makeup exam must be written

within two weeks of the missed exam at a time scheduled by the instructor. **Deferred exams will be in long-answer question (essay) format.**

- Written reports submitted after the deadline without instructor pre-approval may be penalized for each day late, including holidays and weekends (**10% per day**).
- For all students, Top Hat marks for the term will be based on the best 6 of 8 Top Hat scores. As such, students may miss up to 2 lectures with Top Hat questions during the term for any reason without penalty – the instructor does not need to be notified for absences on these days.
- Students may choose to provide supporting documentation for an exemption/special request. Students are encouraged to submit documentation that will best support their situation. Falsification of any supporting documentation will be taken very seriously and may result in disciplinary action through the Academic Discipline regulations or the Student Non-Academic Misconduct policy.
- Deferral of the registrar-scheduled final exam requires Registrar approval. <https://www.ucalgary.ca/registrar/exams/deferred-final-exams>
- Grades will be posted on D2L as quickly as possible. Exams will not be returned to students. If you wish to see your exam, please come to office hours (in person).
- If you have questions about the grading of your exam or assignment, please approach the instructor. After consultation, you may dispute a grade by submitting a written statement within ten business days of receiving the grade, in keeping with the following university policies:

Reappraisal of Graded Term Work: <http://www.ucalgary.ca/pubs/calendar/current/i-2.html>

Reappraisal of Final Grade: <http://www.ucalgary.ca/pubs/calendar/current/i-3.html>

Department of Anthropology and Archaeology Grading Scheme:

A+	95 – 100%	B+	80 – 84.9%	C+	67 – 70.9%	D+	55 – 58.9%
A	90 – 94.9%	B	75 – 79.9%	C	63 – 66.9%	D	50 – 54.9%
A-	85 – 89.9%	B-	71 – 74.9%	C-	59 – 62.9%	F	< 50%

*****Please note that no extra credit or ‘make up’ work is available in this class*****
You do not need to pass each course component to earn a passing grade in the class

Land Acknowledgement

The Department of Anthropology and Archaeology acknowledges the traditional territories of the people of the Treaty 7 region in Southern Alberta, which includes the Blackfoot Confederacy (comprising the Siksika, Piikani, and Kainai First Nations), as well as the Tsuut’ina First Nation, and the Stoney Nakoda (including the Chiniki, Bearspaw, and Wesley First Nations). The City of Calgary is also home to Métis Nation of Alberta, Region 3.

Acknowledgment and Respect for Diversity

The Department of Anthropology and Archaeology views diversity of identity as a strength and resource. Your experiences and different perspectives are encouraged and add to a rich learning environment that fosters critical thought through respectful discussion and inclusion.

COURSE POLICIES

Course Communication Policy

All course communications should occur through your @ucalgary email. I will respond to emails within 48 hours (weekends and holidays excluded). **Please include “ANTH 413” in the subject line.** I reserve the right to share questions and answers transmitted over email on D2L or in class (with identifying information redacted) if the answers are pertinent to everyone in the class. This saves time and ensures that all students have access to the same information as they prepare for assessments. **Before emailing a question, please make sure that it has not already been addressed in the course outline, assignment handouts, or on D2L.**

Attendance Expectations

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. Students will be responsible for checking in with the instructor or TA each lab session **You must attend scheduled labs to collect data for assignments.** Accommodation will be made for the transportation time of students with courses held on campus immediately after lab hours. Students are responsible for materials covered in the textbooks and lectures. Classroom materials missed due to absenteeism are the sole responsibility of the students. While attending lectures, please keep technology use limited to course activities and silence phone notifications and sound.

Calgary Zoo Conduct Expectations

Our ability to conduct labs at the zoo and procure special membership for students of the course is made possible by an agreement with the Calgary Zoo that during their lab sessions at the zoo, students will adhere to the following expectations regarding their conduct:

- (1) Students will not act as information providers to the public. Instead, please refer curious fellow visitors to the Zoo staff or docents for information on the animals.
- (2) Students will be respectful of Zoo visitors by allowing them access to viewing areas and walkways, refraining from loud or disruptive conversation, etc.
- (3) Students will be respectful to all animals at the Zoo by: avoiding direct eye contact, refraining from tapping on enclosure glass, or otherwise attempting to engage the animals, etc.
- (4) Students will not conduct research on human subjects (only *nonhuman* primates) and are also not expected to participate as subjects of research.

Guidelines for Assignment Submissions

Please submit all assignments electronically to Dropbox in D2L in **PDF format**. Assignments should use the file naming convention: “FirstName LastName Assignment #.pdf” (e.g., Alex

Smith Assignment 2.pdf). Assignments must be submitted by 11:59 pm on their due date. It is the student's responsibility to keep a copy of each submitted assignment and to ensure that the proper version is submitted.

Expectations for Writing

All written assignments (including, to a lesser extent, written exam responses) will be assessed at least partly on writing skills. Writing skills include not only surface correctness (grammar, punctuation, sentence structure, etc.) but also general clarity and organization. Sources used in research papers must be properly documented. If you need help with your writing, you may use the writing support services in the Learning Commons. For further information, please refer to the official online University of Calgary Calendar, Academic Regulations, E. Course Information, E.2: Writing Across the Curriculum: <http://www.ucalgary.ca/pubs/calendar/current/e-2.html>.

UNIVERSITY POLICIES

ACADEMIC ACCOMMODATIONS

Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit <https://live-ucalgary.ucalgary.ca/student-services/access>. Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor or the Department Head. The full policy on Student Accommodations is available at <https://www.ucalgary.ca/legal-services/university-policies-procedures/accommodation-students-disabilities-procedure>.

ACADEMIC INTEGRITY POLICY

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. The University Calendar includes a statement on the principles of conduct expected of all members of the university community (including students, faculty, administrators, any category of staff, practicum supervisors, and volunteers), whether on or off university property. This statement applies in all situations where members of the university community are acting in their university capacities. All members of the university community have a responsibility to familiarize themselves with the principles of conduct statement, which is available at: www.ucalgary.ca/pubs/calendar/current/k.html.

ACADEMIC MISCONDUCT

The University of Calgary is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect.

Academic dishonesty is not an acceptable activity at the University of Calgary, and students are **strongly advised** to read the Student Misconduct section in the University Calendar at: www.ucalgary.ca/pubs/calendar/current/k-3.html. Often, students are unaware of what constitutes academic dishonesty or plagiarism. The most common are (1) presenting another student's work as your own, (2) presenting an author's work or ideas as your own without adequate citation, and (3) using work completed for another course. Such activities will not be tolerated in this course, and students suspected of academic misconduct will be dealt with according to the procedures outlined in the calendar at: <https://www.ucalgary.ca/legal-services/university-policies-procedures/student-academic-misconduct-procedure>

For students wishing to know more about what constitutes plagiarism and how to properly cite the work of others, the Department of Geography recommends that they attend Academic Integrity workshops offered through the Student Success Centre: <https://www.ucalgary.ca/student-services/student-success/learning/academic-integrity>

INSTRUCTOR INTELLECTUAL PROPERTY

Course materials created by professor(s) (including course outlines, presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the professor(s). These materials may NOT be reproduced, redistributed or copied without the explicit consent of the professor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing. Information on Instructor Intellectual Property can be found at <https://www.ucalgary.ca/legal-services/university-policies-procedures/intellectual-property-policy>

FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY ACT

Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary.

COPYRIGHT LEGISLATION

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (<https://ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy>) and requirements of the copyright act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorized sharing of course materials (including instructor notes, electronic versions of textbooks, etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

SUPPORTS FOR STUDENT LEARNING, SUCCESS, AND SAFETY

Please visit the Registrar's website at: <https://www.ucalgary.ca/registrar/registration/course-outlines> for additional important information on the following:

- Wellness and Mental Health Resources
- Student Success Centre
- Student Ombuds Office
- Student Union (SU) Information
- Graduate Students' Association (GSA) Information
- Emergency Evacuation/Assembly Points
- Safewalk

TENTATIVE CLASS SCHEDULE

**** Please note that lecture content and readings may be adjusted throughout the term.****

TCP = Teichroeb et al. Exercise Book

S&C = Setchell & Curtis Textbook

W	Date	Activity	Content	Readings
1	W May 03	Lecture	Course Introduction, Primatology (ANTH 311) Review	
	Th May 04	NO LAB		
2	M May 08	Lecture	Studying Behavior & Ethical Concerns Intro to Zoo Primates & Lab Assign #1	Riley & Bezanson 2018, TCP chap 1 & 3
	T May 09	<i>Lab (Zoo)</i>	Behavioral Inventory & Profile Day 1	
	W May 10	Lecture	Observational Methods & Research Design	TCP chap 2 & 4
	Th May 11	<i>Lab (Zoo)</i>	Behavioral Inventory & Profile Day 2	
	F May 12	Due Date	Assign #1 (Behavioral Inventory & Profile Data)	
3	M May 15	Lecture	Analytical Methods, Intro to Lab Assign #2	TCP chap 6 & 9
	T May 16	<i>Lab (Zoo)</i>	Scan Sampling Day 1	
	W May 17	Workshop	Scientific Writing & Excel	TCP chap 7
	Th May 18	<i>Lab (Zoo)/ Quiz</i>	Scan Sampling Day 2, Scan Sample Quiz	
4	M May 22	UNIVERSITY CLOSED (Victoria Day)		
	T May 23	<i>Lab (Zoo)/ Quiz</i>	Scan Sampling Day 3, Scan Sample Quiz	
	W May 24	Workshop/ Lecture	Assign #2 Analyses & Write-up, Intro to Assignment 3	

		Due Date	Assign #2 (Scan Sampling Data)	
	Th	May 25	NO LAB	
	F	May 26	Due Date	Exercise 6 Report
5	M	May 29	Lecture	Measuring Primate Populations & Habitat Sampling S&C chap 3 & 6
	T	May 30	<i>Lab (Zoo)</i>	Focal Sampling Day 1
	W	May 31	Exam/Lecture	Exam 1, 'She Walks with Apes' Film
	Th	Jun 01	<i>Lab (Zoo)</i>	Focal Sampling Day 2
6	M	Jun 05	Lecture	Ranging Behavior & Animal Handling S&C chap 7 & 10
	T	Jun 06	<i>Lab (Zoo)/ Quiz</i>	Focal Sampling Day 3, Focal Sample Quiz
	W	Jun 07	Lecture	Non-invasive Techniques S&C chap 19-21
	Th	Jun 08	<i>Lab (Zoo)/ Quiz</i>	Focal Sampling Day 4, Focal Sample Quiz
	F	Jun 09	Due Date	Assign #3 (Focal Sampling Data)
7	M	Jun 12	Lecture	Analysis of Primate Diets & Remote Sensing S&C chap 12-14
	T	Jun 13	NO LAB	
	W	Jun 14	Workshop	Assign #3 Analyses & Write-up
	Th	Jun 15	Due Date	Exercise 9 Report / NO LAB
8	M	Jun 19	Exam #2 (Non-cumulative Final) Exam Time & Loc TBD by Registrar	
	T	Jun 20		
	W	Jun 21		

IMPORTANT DATES

W May 3	First day of Spring Term lectures
T May 9	Last day to drop a class without a financial penalty
T May 9	Last day to add or swap a course
F May 12	Fee payment deadline for Spring Term full and half courses.
M May 22	Victoria Day, University closed. No classes.
R Jun 15	Spring Term Lectures End. Last day to withdraw with permission from Spring Term courses.
Jun 19-21	Spring Final Exam Period