

**ANTHROPOLOGY 451
Primate Behavioural Ecology &
Conservation Winter 2018**

Lecture: Tuesdays & Thursdays 14:00-15:15
Location: Science Theatres 132

Instructor: Travis Steffens
Office: TBA
Tel: TBA
E-mail: travis.steffens@ucalgary.ca
Office Hours: Thursday 10:00-12:00

TA: Pamela Narvaez
Office: TBA
E-mail: pamela.narvaez@ucalgary.ca
Office Hours: TBA

COURSE DESCRIPTION

Over half of nonhuman primate taxa are currently facing the risk of extinction due to human-induced processes. In this course, we will consider this problem in three steps. First, we will look at the background and conceptual issues related to primate conservation, such as why conserve primates, species concepts, conservation genetics, and measuring primate occurrence and abundance. Second, we will discuss the threats and primary causes for the decline in primate populations including habitat loss and fragmentation, trading and hunting primates, disease, and climate change. Finally, we will critically examine the solutions and tactics proposed to reduce or eliminate these threats to their survival such as fortress conservation, translocation, multi-functional landscapes, ecosystem service payments, and evidence-based conservation practices.

PREREQUISITE: Anthropology 311

REQUIRED TEXT

Wich, S. A., & Marshall, A. J. (Eds.). (2016). *An introduction to primate conservation*. Oxford University Press.

Supplemental optional readings will also be offered. These provide further context for course materials covered in lecture and may be helpful in preparing final papers.

COURSE REQUIREMENTS

- Students are expected to attend lectures and to participate in class discussion. To record participation marks there will be a few questions via Top Hat at some point during each class based on the readings due for that day. On days that we have a quest speaker (e.g. January 24th) students will be required to submit a question to the quest speaker that are related to the readings at the beginning of the class. There will be no participation questions on test days or presentation days.
- There are two in-class tests based on material covered in lectures and assigned readings. Tests are non-cumulative and in multiple choice and short answer format. Make-up tests will not be given unless you have written proof of medical or other dire emergency. You should inform the instructor of your absence *prior* to the test.

- There is a mid-term paper. Students are offered two choices for this assignment: (1) grant proposal for a primate conservation biology field project or (2) critical report on an organization active in the conservation of primates. If you are planning on going to graduate school than I would recommend the first choice. If you are planning to into primate conservation in the non-profit industry than I recommend the second choice.
- There is a final group presentation. Groups of 4-6 will present a PowerPoint presentation on one topic from a list of topics to be provided by the instructor at the beginning of the semester. The presentation will be done by all members of the group. The PowerPoint slides for the presentation will be due for all groups on the first day of the presentations (April 2nd).
- There is a final exam administered by the registrar office. This exam will be cumulative and will be made up of multiple choice, short answer, and matching questions.

IMPORTANT DATES

January 10	First day of class
February 17-24	Reading Week
April 11	Last day of class

GRADING GUIDELINES

Assignment	(Due) Date	% Final Grade
Participation	Each Class	10%
Test 1	February 14	10%
Mid-term Paper	March 7	20%
Test 2	March 28	10%
Group Presentation/Slides	April 2, 4, 9	20%
Final Exam	TBD	30%

- Students are responsible for materials covered in the texts and lectures.
- Classroom materials missed due to absenteeism are the sole responsibility of the student.
- Assignments submitted late will have 5% per day deducted from their mark.
- Grading of writing (style, grammar, organization, etc.) is a factor in the evaluation of students' written assignments.
- A passing grade on any particular component of the course is not essential for the student to pass the course as a whole.
- Calculators and electronic devices are not allowed during tests.
- Letter grades are assigned according to the following:

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

COURSE OBJECTIVES

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

1. Identify and describe why conserving primates is important.
2. Explain what a species is and define different species concepts especially the phylogenetic species concept. Based on this knowledge be able to understand biodiversity and how species risk to extinction is assessed.
3. Understand the how metapopulation dynamics and landscape ecology can be used in primate conservation.

4. Recall and explain factors that place nonhuman primate species at risk of population decline and extinction, and strategies and tactics used to mitigate these risks.
5. Explain different methods for determining primate abundance, density, occurrence, and richness.
6. Carry out bibliographic research on topics related to written assignments.
7. Apply standard practices in scientific writing, including proper attribution of cited works.
8. Produce a written report that evaluates and critiques conservation practice *or* generate a research proposal in NSERC PGS-M format.
9. Work within groups to competently design presentation material.
10. Professionally present as a group on topics in primate conservation to peers.

LECTURE SCHEDULE

(Topics subject to change)

Date	Topic	Readings	Due
Jan 10	Introduction; Video	Chapter 1	
Jan 15	Video Continued	Chapter 2	
Jan 17	Why Conserve Primates	Estrada et al. 2017	
Jan 22	Species Concepts & Biodiversity	Chapter 4	
Jan 24	Threatened Species Status	Chapter 3	
Jan 29	Conservation Genetics: Ask a Researcher	Chapter 5	Questions for Dr. Eva Wikberg
Jan 31	Primate Abundance and Distribution: Population Biology	Chapter 6	
Feb 5	Metapopulations and Landscape Ecology	Mandujano et al 2006; Arroyo-Rodríguez and Fahrig 2014	
Feb 7	Changing Habitats	Chapter 7	
Feb 12	Primate Trade and Hunting	Chapter 8 and 9	
Feb 14	Test 1		
Feb 17-24	Reading Break – No Classes		
Feb 26	Infectious Disease and Primate Conservation	Chapter 10	
Feb 28	Climate Change	Chapter 11	
March 5	Fortress Conservation: Lessons learned.	Chapter 12	
March 7	Human Primate Interaction: Conflict or Benefit?	Chapter 13	Mid-term Paper Due

March 12	Human Primate Interaction: Conflict or Benefit? (Cont.)	Chapter 14	
March 14	Solutions to Primate Conservation I: Translocation	Chapter 15	
March 19	Solutions to Primate Conservation II: Ecosystem Services	Chapter 16	
March 21	Solutions to Primate Conservation III: Evidence-Based Conservation	Chapter 17	
March 26	The Future of Primate Conservation	Chapter 18	
March 28	Test 2		
April 2	In Class Presentations I		Presentation Slides Due
April 4	In Class Presentations II		
April 9	In Class Presentations III		
April 11	Final Exam Review		

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/>