

Department of Anthropology and Archaeology
Anthropology 201.3
INTRODUCTION TO PRIMATOLOGY AND HUMAN EVOLUTION
WINTER 2016



Tuesdays: 6:00 – 8:45pm
Room #: ENE 239

Instructor: Dr. Susanne Cote
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Office Hours: Tuesdays 3 - 5pm, and by appointment

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Office Hours: Thursdays 12-2pm

COURSE DESCRIPTION: How do humans fit into the natural world? Who are our closest relatives and how did we evolve? Our goal in this class is to address these questions using evolutionary principles and processes.

The course is divided into three parts. We begin with a discussion of the history of evolutionary thought, focusing on the theoretical breakthroughs of Charles Darwin and his contemporaries. We will also see how evolutionary theory developed during the 20th century and up until the present, incorporating modern genetics, population biology, micro- and macroevolution. The goal is to clarify these fundamental biological concepts for a better understanding of the evolution of unique primate (including human) features.

In the second section, we will review the various groups making up the Order Primates, including strepsirhines (lemurs, lorises, and galagos), tarsiers, New World monkeys, Old World monkeys, and apes. We will discuss what makes primates unique among mammals, and how primate taxonomic groupings vary in morphology, function, ecology, and social behaviour.

Finally, the third section of the course will focus on the evolution of humans and our ancestors. We will trace our lineage through the first hominids, early species in the genus *Homo*, and, finally, anatomically modern humans. We will examine the fossil, molecular, and archaeological evidence for these major developments in human evolution.

Required Text: Boyd R, and Silk JB (2015) *How Humans Evolved*, 7th Edition. New York: W.W. Norton & Company. *Older editions of the textbook may be used, but it is your responsibility to check for differences in content.*

COURSE REQUIREMENTS:

Test	Date	% Overall Grade
Midterm #1	February 9	30%
Midterm #2	March 15	30%
Final Exam	Registrar-scheduled (Apr 16-27)	30%
Problem Sets (3)	Jan 26, Mar 1, Mar 29th	10%

In-class Exercises

Unannounced

0.5% Bonus each

Midterm and Final Exams. Exams are non-cumulative. Exams will cover ALL material from lectures, including discussions, videos, and guest lectures. ALL textbook readings are also testable. All exams will be in short answer format (e.g. multiple choice, true/false, matching) AND medium answer format (a few sentences or point-form questions).

Problem Sets. There will be three problem sets consisting of questions from the textbook. Each problem set is worth 3.3% of your final grade. Problem sets are due AT THE BEGINNING OF CLASS (e.g. 6pm) on the date indicated in the course schedule. You must submit a paper copy of your problem set. Electronic submissions will **not** be considered. You may type or hand-write your assignment. Late problem sets will be docked 5% per 24-hour period that it is late (including weekends and holidays).

In class exercises. There will be a few very short unannounced in class exercises. These are not graded or returned, but you get 0.5% added to your final grade for each one that you submit. There are no 'make ups' for these in class exercises, so attend every class if you wish to receive all possible bonus marks! **No additional extra credit or 'bonus' work is available in this class.**

Grade Breakdown:

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 less

COURSE POLICIES:

Classroom behavior and norms:

- The most important thing is to be respectful and supportive of other students. Please turn your cell phone and any other electronic devices. You may use a laptop to take notes, but please sit in the back or along the sides so as to not disturb other students. Please only use your laptops to take notes, and remember that instructors can often tell when you are watching videos, looking at Facebook etc.
- It is in your own best interest to attend all classes. You are responsible for taking your own notes, or for obtaining notes from a classmate if you have to miss a class for unavoidable reasons.
- Lecture slides will be posted on Desire2Learn (D2L) before class. Please note that reading the lectures slides alone will NOT be sufficient to get a good grade in this class. **All lecture content is testable!** This includes discussions, films, and material not on the slides.
- We will normally take two 5-10 minute breaks during class. Sometimes we will take one longer break, depending on the lecture content.

Exam Policies:

- Missed exams automatically receive a score of zero. In the event of an emergency or illness, the Anthropology main office (403-220-6516) or the instructor **MUST** be notified **BEFORE** the exam, and documentation (e.g. a signed Physician's Statement) must be provided. Make up exams will not always be offered, and may be in any format (e.g. oral examination). Please note that performance on make-up exams is normally poorer.
- Exam grades will be posted on D2L as quickly as possible. Exams are **NOT** returned to students. If you would like to look at your exam, please attend office hours. If you have concerns about the marking of your exam, please provide a detailed written statement within two weeks of when exam results are posted.

Communication Guidelines:

- Engaging with your instructors is an important part of university, and can be challenging in large classes. All students are encouraged to see me or the TA as often as they like to ask questions, get general help with the course, or just to chat!
- We always prefer to talk **IN PERSON**. The best place to ask questions is in class (before, during, or after), or during office hours.
- All emails should be directed to Dr. Cote. **DO NOT EMAIL AMY!** Due to the volume of emails I receive, I cannot commit to answering email questions immediately. It may take up to 2 business days (48 hours), so do not send questions last minute.
- I reserve the right to share questions transmitted over email with the entire class, if the answers are pertinent to everyone. This saves time and ensures that all students have access to the same information when preparing for assignments and exams.
- Before emailing a question, please make sure that it hasn't already been addressed in the course outline or on D2L!

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, instructors can and may use writing and the grading thereof as a factor in the evaluation of student work. The services provided by the Writing Centre in the Effective Writing Office can be utilized by all undergraduate and graduate students who feel they require further assistance.

Student Accessibility Services Accommodations

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-foraccommodations-for-students-with-disabilities_0.pdf.

It is the responsibility of the student to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have

not registered with Student Accessibility Services, please contact their office at (403)220-8237.

Students who have not registered with Student Accessibility Services are not eligible for formal academic accommodation. Students are also required to discuss their needs with the instructor no later than fourteen (14) days after the start of the course.

Academic Misconduct

Academic dishonesty is an unacceptable activity at the University of Calgary and students are strongly advised to read the Student Misconduct section of the University Calendar. Quite 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 you own without proper referencing
- 3) Using work completed for another course

This activity will not be tolerated and students conducting themselves in this manner will be dealt with according to the procedures outlined in the University Calendar.

For detailed information on what constitutes academic misconduct, please refer to the following link:

<http://www.ucalgary.ca/pubs/calendar/current/k-2-1.html>

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>

USRI

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/>

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/secretariat/system/files/foip%20overview.pdf>

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 alternate 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? The new Faculty of Arts Program Information Centre (PIC) is your information resource for everything in Arts! Drop in at SS110, call us at 403-220-3580 or email us at artsads@ucalgary.ca. You can also visit the Faculty of Arts website at <http://arts.ucalgary.ca/undergraduate> which has detailed information on common academic concerns.
- For program planning and advice, contact the Student Success Centre (formerly the Undergraduate programs Office) at (403) 220-5881 or visit them in their new space on the 3rd Floor of the Taylor Family Digital Library.
- 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.

Contact 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

CLASS SCHEDULE:

****Please note that the class schedule is subject to change due to unforeseen circumstances****

Date	Topics	Readings and Assignments
January 12	Course Introduction Adaptation and Natural Selection	Chapter 1
January 19	Genetics Modern Synthesis	Chapter 2, 3
January 26	Taxonomy, Speciation, and Phylogeny	Chapter 4 Problem Set #1 Due
February 2	Human Genetic Variation	Chapter 14
February 9	Midterm # 1 Introduction to the Primates	Film: BBC Life – Primates
February 16	NO CLASS – READING WEEK	
February 23	Primates? Why Study Primates? Primate Ecology	Chapter 5

March 1	Mating and Social Systems - Primates Mating and Social Systems - Humans	Chapter 6; Chapter 15 Problem Set #2 Due
March 8	Cooperation Primate Brains and Intelligence	Chapter 7, 8
March 15	Midterm #2 Introduction to Human Evolution	Film: <i>Discovering Ardi</i>
March 22	The Fossil Record The Earliest Hominids – Bipedalism The Australopithecines	Chapter 9, 10
March 29	The Genus <i>Homo</i> Tools (Origins of Culture)	Chapter 11, 12 Problem Set #3 Due
April 5	Evolution of Modern Humans	Chapter 13
April 12	Human Behaviour and Variation in Evolutionary Context	Chapter 16
April 16-27 th	Final Exam (to be scheduled by the Registrar)	