

**Anthropology 201.3**  
**INTRODUCTION TO PRIMATOLOGY AND HUMAN EVOLUTION**  
**FALL 2014**

**Wednesdays: 6:00 – 8:45 pm**  
**Room #: ST 135**

**Instructor:** Dr. Susanne Cote  
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**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. We will explore the patterns of anatomical, behavioural, and genetic variation in the Order Primates. We will also trace the evolution of our species as reconstructed from the fossil and archaeological records.

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 20<sup>th</sup> 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 of the course, we will focus on the evolution of humans and our ancestors. We will trace our lineage through the appearance of major new radiations, including the hominoids, the first hominins, early species in the genus *Homo*, and, finally, modern humans. We will examine the fossil, molecular, and archaeological evidence for these major developments in human evolution.

Finally, in the third section, we will learn about our closest living relatives, 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. In particular, we will focus on the ways in which studying primates can help us to understand human behaviour.

**Required Text:** Boyd R, and Silk JB (2012) *How Humans Evolved*, 6th 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	Oct 1	30%
Midterm #2	Oct 29	30%
Final Exam	Registrar-scheduled (Dec 8-18 <sup>th</sup> )	40%
In-class Exercises	Unannounced	0.5% Bonus each

Exams are non-cumulative. All exams will be in short answer format (e.g. multiple choice, true/false, matching) and will cover ALL material from lectures and ALL readings. There will be a few very short unannounced 'Pen and Paper Exercises' in class. 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.**

## 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 off 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 (including in class discussions, films, and other material not on the slides) is testable!
- 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 or make an appointment. 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 as often as they like to ask questions, get general help with the course, or just to chat!
- I always prefer to talk IN PERSON. The best place to ask questions is in class (before, during, or after), during office hours, or to make an appointment to see me.
- I do my best to answer student emails as quickly as possible, but 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 and answers transmitted over email on D2L or in class 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 assignments and exams.
- Before emailing a question, please make sure that it hasn't already been addressed in the course outline or on D2L!

**ACADEMIC ACCOMMODATIONS:**

It is the student's responsibility 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 220-8237. You

are required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation.

**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 Anthropology Department's policy on intellectual honesty available at: <http://anth.ucalgary.ca/intellectual-honesty-guidelines>

**EMERGENCY EVACUATION:**

In the event that the classroom should need to be evacuated due to an emergency situation please note that the primary assembly point shall be at the Professional Faculties Food Court and the Education Block Food Court shall be used as a secondary assembly point.

**SAFEWALK:**

Campus security will escort individuals day or night ([www.ucalgary.ca/security/safewalk](http://www.ucalgary.ca/security/safewalk)). Call 220-5333 for assistance. Use any campus

phone, emergency phone, or the yellow phones located at most parking lot pay booths.

**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/>

**CLASS SCHEDULE:**

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

<b>Date</b>	<b>Topics</b>	<b>Readings</b>
Sept 10	Course Introduction Adaptation and Natural Selection	Chapter 1
Sept 17	Genetics Modern Synthesis	Chapter 2, 3
Sept 24	Taxonomy, Speciation, and Phylogeny	Chapter 4
Oct 1	<b>MIDTERM # 1</b> Introduction to Human Evolution	Film: <i>Discovering Ardi</i>
Oct 8	The Fossil Record The Earliest Hominids – Bipedalism	Chapter 9, 10 (to p. 229)
Oct 15	The Australopithecines The Genus <i>Homo</i>	Chapter 10, 12
Oct 22	Tools (Origins of Culture) Evolution of Modern Humans	Chapter 11, 13
Oct 29	<b>MIDTERM #2</b> Introduction to the Primates	Film: <i>BBC Life - Primates</i>
Nov 5	What are Primates? Why Study Primates? Conducting Research on Primates	Chapter 5
Nov 12	Who are the Primates? Primate Ecology	Chapter 5

Nov 19	Mating and Social Systems – Primates Mating and Social Systems – Humans	Chapter 6, 16 (to p. 411)
Nov 26	Cooperation Primate Brains and Intelligence	Chapter 7, 8
Dec 3	Human Genetic Variation Human Behaviour in Evolutionary Context	Chapter 14 Chapter 15 p. 411-416
Dec 8-18 <sup>th</sup>	<b>Final Exam (to be scheduled by the Registrar)</b>	