

**Anthropology 201.2**  
**INTRODUCTION TO PRIMATOLOGY AND HUMAN EVOLUTION**  
**FALL 2014**

**Tuesdays and Thursdays: 2:00 – 3:15 pm**  
**Room #: ST 140**

**Instructor:** Dr. Susanne Cote  
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**Instructor:** Dr. Brian Keating **Email:**  
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**Hours:** TR following lecture, as required

**TA:** Jeremy Hogan  
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**Office Hours:** Tuesdays 11:30-1:30

**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	Sept 30	25%
Midterm #2	Oct 23	25%
Midterm #3	Nov 20	15%
Final Exam	Registrar-scheduled (Dec 8-18 <sup>th</sup> )	35%

**\*\*Final exam is cumulative for primate half of course ONLY**

Students are responsible for material covered in lecture, the textbook, and films shown in class. All exams will be short answer format (e.g. multiple choice) and will cover ALL material from lectures and ALL readings. **No 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 sit in the back row or along the instructor's left side 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) AFTER classes, not before.** Please note that reading the lectures slides alone will NOT be sufficient to get a good grade in this class. You should come to class and take notes, and then use the posted slides to supplement your notes, confirms facts, etc. All lecture content (including in class discussions, films, and other material not on the slides) is testable!

### ***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 the instructors 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), during office hours, or to make an appointment to see us.
- We do our best to answer student emails as quickly as possible, but due to the volume of emails we each receive, we cannot commit to answering email questions immediately. It may take up to 2 business days (48 hours), so do not send questions last minute. **Any emails that can be answered by the TA should be sent directly to the TA.** Emails that are sent to a professor but could have been answered by the TA will be forwarded onto the TA for a response. Please remember this, and save yourself some time by directing emails to the TA. The TA will consult with the instructors if required.
- The instructors 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.

### **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/>

**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.

**CLASS SCHEDULE:**

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

<b>Part I: Dr. Susanne Cote</b>		
<b>Date</b>	<b>Topics</b>	<b>Readings</b>
Sept 9	Course Introduction History of Evolutionary Theory	Chapter 1
Sept 11	Adaptation and Natural Selection	Chapter 1
Sept 16	Genetics	Chapter 2
Sept 18	Modern Synthesis	Chapter 3
Sept 23	Speciation	Chapter 4 (to p. 84)
Sept 25	Taxonomy and Phylogeny	Chapter 4
Sept 30	<b>Midterm #1</b>	
Oct 2	Introduction to Human Evolution Film: <i>Discovering Ardi</i> and Discussion	
Oct 7	The Primate Fossil Record	Chapter 9
Oct 9	The Earliest Hominids – Bipedalism	Chapter 10 (to p.229)
Oct 14	The Australopithecines	Chapter 10
Oct 16	The Genus <i>Homo</i>	Chapter 12
Oct 21	Evolution of Modern Humans	Chapter 13
Oct 23	<b>Midterm #2</b>	
<b>Part 2: Dr. Brian Keating</b>		
<p><b>**Note:</b> Textbook readings for this half of the course will be assigned as required. Films are likely to change, and will be augmented by personal film segments from Brian Keating's collection. These film segments are only available for viewing during class, and are not available on the web.</p>		
<b>Date</b>	<b>Topics</b>	<b>Readings</b>
Oct 28	Introduction to instructor What is a Primate?	Chapters 5, 6, 7, 8
Oct 30	What is a primate continued & Intro to Prosimians Film: <i>Life in the Trees</i>	
Nov 4	The Prosimians	
Nov 6	New World Monkeys	
Nov 11	<b>NO CLASS – REMEMBRANCE DAY</b>	
Nov 13	The New World Monkeys continued; Introduction to the Old World Monkeys	
Nov 18	Old World Monkeys	
Nov 20	<b>Midterm #3</b>	
Nov 25	Introduction to Apes: The Lesser Apes, Gibbons & Siamangs	
Nov 27	The Orangutans	
Dec 2	The Gorillas	
Dec 4	The Chimpanzees and course conclusion	
Dec 8-18 <sup>th</sup>	<b>Final Exam (to be scheduled by the Registrar)</b>	