

**Department of Anthropology and Archaeology**  
**ANTHROPOLOGY 201.1**  
**INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY**  
**WINTER 2018**

**Tuesdays and Thursdays: 3:30 – 4:45pm**

**Room #: MFH 162**

**Instructor:** Dr. Susanne Cote

**Office:** ES 750

**Tel:** (403) 220-8190

**Email:** scote@ucalgary.ca

**Office Hours:** Tuesdays 1-3pm

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**Office:** ES 722

**Email:** fikremariam.kassa@ucalgary.ca

**Office Hours:** Thursdays 11-1pm

**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 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, 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*, 8th Edition. New York: W.W. Norton & Company. *\*\*Older editions of the textbook are very similar. The only real difference with the 7<sup>th</sup> edition is in Chapters 10, 11, and 12. It is your responsibility to check for differences in content. Copies of the 8<sup>th</sup> edition will be on reserve at the Taylor Family Digital Library.*

**LEARNING OUTCOMES:**

Upon completion of this course, students will be able to:

- Apply basic evolutionary theory to human anatomy, physiology, and behaviour
- Know how humans fit in the family tree and explain our shared characteristics
- Outline the fossil evidence for human evolution from 7 million years ago to the present
- Explain the importance of biological variation in shaping human characteristics
- Integrate and synthesize their learning by reading the textbook and attending lectures

## COURSE REQUIREMENTS:

Test	Date	% Overall Grade
Weekly Quizzes (10)	Due Tuesdays at noon. See schedule on D2L	20%
Midterm #1	February 6 <sup>th</sup>	25%
Midterm #2	March 13 <sup>th</sup>	25%
Final Exam	Registrar-scheduled (April 16-26 <sup>th</sup> )	30%

**Midterms 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).

**Weekly Online Quizzes.** The purpose of these quizzes is to ensure that you are keeping up with the textbook reading and are understanding course material. **Quizzes are online, and will be completed via D2L so you will need internet access. You should be completing each quiz ALONE.** You must complete the quiz during the assigned 48-hour window (Sunday @ noon – Tuesday @ noon). Once you start a quiz, you will have a set amount of time to complete it (normally 15-30 minutes, varying from week to week). Each quiz will be worth 2% of your quiz grade. There will no quizzes during the weeks that we have midterms or during Reading Week.

**\*\*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.

### **Exam Policies:**

- Missed exams automatically receive a score of zero. Normally, in the event of an emergency or illness, please contact the instructor ([scote@ucalgary.ca](mailto:scote@ucalgary.ca)) or the Anthropology and Archaeology main office (403-220-6516) before the exam. Documentation (e.g. a signed

Physician's Statement) must be provided to the instructor. Make up exams will not always be offered, and may be in any format (e.g. oral examination).

- 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 with the TA or the instructor. 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 to the instructor.

**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.
- If you can't see us in person, then you can email your questions/concerns. However, due to the volume of emails we receive, we will not 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](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](mailto: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](mailto:arts1@su.ucalgary.ca)

[arts2@su.ucalgary.ca](mailto:arts2@su.ucalgary.ca)

[arts3@su.ucalgary.ca](mailto:arts3@su.ucalgary.ca)

[arts4@su.ucalgary.ca](mailto:arts4@su.ucalgary.ca)

**OMBUDSMAN'S OFFICE:** <http://www.ucalgary.ca/ombuds/>

**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>
January 9	Course Introduction History of Evolutionary Theory	Prologue; Chapter 1
January 11	Adaptation and Natural Selection	Chapter 1
January 16	Genetics – <b>Cells and DNA</b>	Chapter 2 (except p. 34-35, p. 44)
January 18	<b>Genetics – Mendelian Genetics</b>	<b>Chapter 2</b>
January 23	<b>Modern Synthesis</b>	<b>Chapter 3 (except p. 55-60)</b>
January 25	<b>Speciation</b>	<b>Chapter 4 (to p. 91)</b>
January 30	<b>Taxonomy and Phylogeny</b>	<b>Chapter 4 (p. 91-105)</b>
February 1	<b>Human Genetic Variation</b> Midterm Review	<b>Chapter 14 (not Box 14.1 on p. 365)</b>
February 6	<b>Midterm #1</b>	
February 8	Introduction to the Primates	<b>Film: BBC Life – Primates</b>
February 13	Primates? Why Study Primates?	Chapter 5 (to p. 125)
February 15	Primate Ecology	Chapter 5 (p. 125 – 140)
February 20	<b>NO CLASS – READING BREAK</b>	
February 22	<b>NO CLASS – READING BREAK</b>	
February 27	Mating and Social Systems in Primates	Chapter 6
March 1	Mating and Social Systems in Humans	Chapter 15
March 6	Cooperation	Chapter 7
March 8	Primate Brains and Intelligence Midterm Review	Chapter 8
March 13	<b>Midterm #2</b>	
March 15	Introduction to Human Evolution	<b>Film: Discovering Ardi</b>
March 20	The Fossil Record	Chapter 9 (only p. 207-214, Box 9.2 and Box 9.3)
March 22	Early Hominins and Bipedalism	Chapter 10 (to p. 243)
March 27	The Australopithecines	Chapter 10 (p. 244-259)
March 29	The Genus <i>Homo</i>	Chapter 11 (to p. 269)
April 3	Tools (Origins of Culture)	Chapter 11 (p. 269-294)
April 5	Neanderthals and Contemporaries	Chapter 12 (p. 303-316 only)
April 10	Evolution of Modern Humans	Chapter 13 (p. 323-340 only)
April 12	Human Behaviour and Variation in Evolutionary Context	Chapter 16; Epilogue
April 16-26 <sup>th</sup>	<b>Final Exam</b> (to be scheduled by the Registrar)	