

Department of Anthropology and Archaeology
Anthropology 201.2
Introduction to Primatology and Human Evolution
Winter 2016

Monday, Wednesday, Friday: 10:00am – 10:50am
Room: MFH 160

Instructor: Dr. Michael Moloney

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Office Hours: Mondays and Wednesdays 11am-noon; or by appointment



COURSE DESCRIPTION: The goal of this class is to engage questions regarding the evolution of our species and that of our closest biological relatives. We will explore the patterns of anatomical, behavioural, and genetic variation in the Order Primates, as well as trace the evolution of our own species based on fossil and archaeological remains.

The course is divided into three parts. Part one will discuss 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, to the present, incorporating modern genetics, population biology, micro and macroevolution. The goal of this section is to clarify these fundamental biological concepts for a better understanding of the evolution of primate and hominid (including human) features.

In part two 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, part three will focus on the evolution of humans and our genetic ancestors. We will trace our lineage, from the earliest primates, through the appearance of the major new radiations, including the hominoids, the first hominids, early species of the genus *Homo*, and 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, J.B. (2014) *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, which is substantial in some areas.**

COURSE REQUIREMENTS:

Tests and Assignments	Date	% of Overall Grade
Midterm #1	February 5	30%
Midterm #2	March 14	30%
Written Assignment	March 28	10%
Final Exam	Registrar-scheduled (April 16-27)	30%

Exams are non-cumulative. All exams will be short answer (e.g. multiple choice, true/false, matching) and will cover ALL material from lectures and ALL readings. For the assignment you will be required to write a short 2-3 page research paper on a topic of your choice. A list of appropriate topics will be posted but you can feel free to approach me with an alternative topic.

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 Conduct:

- The most important thing is to be respectful and supportive of other students. Please turn your cell phone and any other electronic devices to silent. You may use a laptop to take notes, but please refrain from engaging programs that may be distracting to other students during class (eg. games, youtube, Facebook, etc.).
- It is in your 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 lecture slides alone will NOT be sufficient to get a good grade in the class. Tests will comprise information from assigned readings, lecture slides, lecture content, class discussion, and films.
- Each class will feature a 10-15 minute break about halfway through the lecture. These breaks will vary in length depending on lecture content.

Exam Policies:

- Missed exams automatically receive a score of zero. In the event of an emergency or illness, the Anthropology and Archaeology 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. A make-up exam may be offered on a case by case basis, but in all cases the student must contact the instructor or department notifying them of the absence before the test.

- 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 the 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 or get general help with the course.
- It is often best, for getting a good answer, to talk in person, before or after class or during office hours. If that is not convenient the best way to contact me is via email.
- 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. I will check my email every week day in the morning and in the afternoon before leaving the office. Emails sent after 5pm on a given day may not be answered until the next day. Please avoid sending last minute emails.
- Before emailing with a question please make sure to check the course outline, or D2L to be sure that the question has not already been addressed.

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.

CLASS SCHEDULE:

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

Date	Topics	Readings
January 11	Course Introduction	
January 13	Biological Anthropology and Evolutionary Theory	
January 15	Darwinian Natural Selection	
January 18	Darwinian Natural Selection	Chapter 1
January 20	Film – Charles Darwin and the Tree of Life	
January 22	Film – Charles Darwin and the Tree of Life	
January 25	Genetics and Modern Synthesis	
January 27	Genetics and Modern Synthesis	Chapter 2, 3
January 29	Speciation and Phylogeny	
February 1	Speciation and Phylogeny	Chapter 4
February 3	Part 1 Review	
February 5	Midterm #1	
February 8	Intro to Primates	
February 10	Film – BBC Life - Primates	
February 12	Survey of the Living Primates	
February 15-19	READING WEEK – NO CLASSES	
February 22	Survey of the Living Primates	
February 24	Survey of the Living Primates	
February 26	Primate Ecology	
February 29	Primate Ecology	Chapter 5
March 2	Primate Mating Systems	
March 4	Sexual Selection & Human Mating Systems	Chapter 6 , 16 (pg. 411)
March 7	Evolution of Cooperative Behaviour	
March 9	Primate Cognition and Intelligence	Chapter 7, 8
March 11	Part 2 Review	
March 14	Midterm #2	
March 16	The Fossil Record & Primate Origins	
March 18	Earliest Hominins	Chapter 9
March 21	Film – Discovering Ardi	
March 23	Film – Discovering Ardi	
March 25	GOOD FRIDAY – NO CLASSES	
March 28	The First Hominins	
March 30	The Australopithecines	Chapter 10
April 1	The Early Homo Genus	Chapter 11

April 4	Diet, Social Organization, and Life History	
April 6	Tools and Archaeology	Chapter 12
April 8	Archaic Homo Sapiens	
April 11	Modern Homo Sapiens	Chapter 13, 14, 15 (pg. 411-416)
April 13	Part 3 Review	
April 16-27	Final Exams – Time and date to be scheduled by the Registrar	