

ANTHROPOLOGY 201.1
Introduction to Primatology and Human Evolution
Winter 2015

Time: Tuesdays and Thursdays, 9:30am-10:50am

Location: MFH 162, find it here: <http://www.ucalgary.ca/map/interactive>

Instructor: Dr. Christopher Percival

Office: ES 710A/HRIC 3A29

Tel: 403-220-6951

Email: cperciva@ucalgary.ca

**Office Hours: Room ES 614 – Tues and Thurs
11:00am to 12:00pm or by appointment**

Teaching Assistant: TBA

Office: TBA

Tel: -

Email: TBA

Office Hours: TBA

Required Text: *How Humans Evolved* by R. Boyd and J.B. Silk, 7th edition, 2015.

Note: This edition of the book may substantially differ from earlier versions of the textbook. If you use an older version, it is your responsibility to check for differences in content.

COURSE DESCRIPTION: Our goal in this class is to apply genetic, developmental, and evolutionary principles to address human evolution and the relationship between us and other primates. We will explore the patterns of anatomical, behavioral, and genetic variation in the Order Primates. We will also trace the evolution of our species as reconstructed from the fossil and archaeological records. In Part I, we will focus on the fundamental principles of evolutionary theory, genetics, and speciation. We will discuss the basis of evolutionary thought starting with Charles Darwin and his contemporaries, then follow the development of evolutionary theory up until the present, as it was informed by modern genetics, population biology, and developmental biology. In Part II, we will explore the patterns of anatomical, behavioral, and genetic diversity in our closest living relatives, the nonhuman primates. We will discuss the features that distinguish primates from other mammals, and how studies of their morphology, function, ecology, and social behavior help us to understand our own species. In Part III, we will explore the diversity of human ancestors as we trace our evolutionary lineage from the earliest hominins to modern humans. We will use fossil, molecular, and archaeological evidence to understand the major developments in human evolution.

COURSEWORK

Test	Date	% Overall Grade
Midterm Exam 1	Feb 05	30%
Midterm Exam 2	Mar 12	35%
Final Exam	Scheduled by the Registrar (April 18-29)	35%



All exams, including the final, are *non-cumulative* and will be in multiple choice format. The exams will draw on all course material: lectures, assigned textbook readings, films, and guest lectures.

GRADING SYSTEM

A+ 100-94.9%	B+ 84.8-79.9%	C+ 70.8-66.9%	D+ 58.8-54.9%
A 94.8-89.9%	B 79.8-74.9%	C 66.8-62.9%	D 54.8-49.9%
A- 89.8-84.9%	B- 74.8-70.9%	C- 62.8-58.9%	F 49.8% and below

COURSE POLICIES

Classroom Behavior and Norms:

- Please be considerate of your fellow students. Be aware that some students are more sensitive to distractions and disruptions. Set all mobile phones and other mobile devices to silent and do not use them during class. If you use a laptop to take notes, please sit near the back or sides of the classroom so your screen does not distract those sitting behind you. Laptops should be used for note-taking only – please do not surf the internet during class!
- 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. Due to copyright restrictions, some images will be removed from the posted slides. Please note that the lecture slides serve as an outline for course material and will not contain all the material available in class or tested by the exams (including class discussions, films, and details provided by the instructor during lecture).

Exam Policies:

- Missed exams automatically receive a score of zero unless you have made a *prior* arrangement with the instructor (cperciva@ucalgary.ca). Accommodations for serious emergencies or illnesses can be made if notification is made to the Anthropology main office (403-220-6516) or the instructor BEFORE the exam. In all cases, 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, including an oral examination.
- Under no circumstances will extra credit or alternate coursework/exams be provided following poor performance on an exam.
- Exam grades will be posted on D2L as quickly as possible, but the exams themselves will not be returned to students. You can view your exam and the answer key during scheduled office hours or by appointment.
- If you believe, after reviewing the answer key, that your exam has been marked incorrectly, I encourage you to bring your concerns to me to ensure that you receive a fair grade. Please be prepared to provide a detailed verbal (during office hours) or written statement (by email) that demonstrates why your answer was correct within two weeks of the exam in question. All timely and well considered statements will be taken very seriously.

Communication Guidelines:

- I encourage all students to communicate in person with me in class (before, during, after), during office hours, or by appointment to ask questions or get help with course material.
- I reserve the right to share questions and answers discussed in person or by email on D2L or in class if the answers are pertinent to everyone in class. This saves time and ensures that all students have access to the same information as they prepare for exams.
- I receive a large volume of emails. To ensure that your emails are not filtered out by accident and that I take them seriously:
 - Use your university email address (____@ucalgary.ca)
 - Put the course name in the subject (“ANTH 201.1 Question about ...”)
 - Include your full name
 - Verify that your question is not already addressed in the course outline or on D2L!
 - Keep the message short and focused. Please reread and edit emails before sending them.
 - Allow 48 h for a response before re-sending the message – don’t wait until the last minute.

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 (403) 220-8237 or visit their website: <http://www.ucalgary.ca/access/>. Students who have not registered with Student Accessibility Services are not eligible for academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of the course.

CHEATING AND PLAGIARISM

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 may 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>.

ADDITIONAL RESOURCES

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/>

Emergency Evacuation:

If an emergency evacuation occurs during class, please evacuate to the following assembly points:

- Primary assembly point: Education Block - Food Court
- Alternate assembly point: Scurfield Hall - Atrium

Safewalk:

Safewalk volunteers can walk with you to your destination, day or night, any day of the year. Use any Help Phone (they are not just for emergencies).

Website: <http://www.ucalgary.ca/security/safewalk>

Campus Security:

For security alerts, safety concerns or questions. Stay safe!

Website: <http://www.ucalgary.ca/security/>

Phone: 403-220-5333

Email: campus.security@ucalgary.ca

CLASS SCHEDULE

These dates are tentative and subject to change

Part I: Evolutionary Theory

Date	Topics	Readings
Jan 13	Course Introduction, What is Biological Anthropology?	Prologue
Jan 15	Adaptation and Natural Selection	Ch. 1
Jan 20	Mendelian Genetics, DNA, and Inheritance	Ch. 2
Jan 22	The Modern Synthesis	Ch. 3
Jan 27	Speciation	Ch. 4 (p. 81-91)
Jan 29	Taxonomy and Phylogeny	Ch. 4 (p. 91-105)
Feb 03	Film: <i>Charles Darwin and the Tree of Life</i>	
Feb 05	Midterm Exam #1 (30%)	

Part II: Nonhuman Primates

Feb 10	Introduction to Primates	Ch. 5 (p. 109-117)
Feb 12	A Survey of the Living Primates	Ch. 5 (p. 117-125)
Feb 17	<i>READING WEEK – No Lectures</i>	
Feb 19	<i>READING WEEK – No Lectures</i>	
Feb 24	Film: <i>BBC Life - Primates</i>	
Feb 26	Primate Socioecology and Mating Systems	Ch. 5 (p. 126-142), Ch. 6
Mar 03	Evolution of Primate Social Behavior	Ch. 7
Mar 05	Primate Cognition	Ch. 8
Mar 10	The Primate Fossil Record	Ch. 9
Mar 12	Midterm Exam #2 (35%)	

Part III: Human Evolution

Mar 17	The Earliest Hominins	Ch. 10 (p. 237-248)
Mar 19	The Australopithecines	Ch. 10 (p. 248-265)
Mar 24	The First Tools and the Emergence of <i>Homo</i>	Ch. 11, Ch. 12 (p. 291-306)
Mar 26	Archaic <i>Homo</i> and the Origins of Modern Humans	Ch. 12/13 (p. 306-331)
Mar 31	Film: <i>Becoming Human, Part 1</i>	
Apr 02	Evo-Devo Perspectives on Human Evolution	<i>Reno, 2014</i>
Apr 07	<i>Homo sapiens</i> and Evolution of Human Behavior	Ch. 13
Apr 09	Evolution and Modern Human Behavior	Ch. 15
Apr 14	Modern Human Variation and Race	Ch. 14
Apr 18-29	FINAL EXAM (35%, scheduled by the Registrar)	