
ANTH 201 (LEC01)
Introduction to Biological Anthropology
GFC Hours 3-0
Fall 2023

Instructor:	Kimberly Plomp	Lecture Location:	Zoom
Phone:	N/A	Lecture Days/Time:	Asynchronous
Email:	kimberly.plomp@ucalgary.ca		
Office:	Zoom		
Office Hours:	Tuesdays 3-4pm		
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Prerequisite(s): None.

COURSE DESCRIPTION

Understanding evolution and the evolution of our species, *Homo sapiens*, is fundamental for anthropology, biology, anatomy, and life sciences. This course will explore the basics of natural selection, genetics, and evolution to identify evolutionary trends leading to modern human diversity. Topics covered in this course include non-human primates, the human fossil record, human skeletal variation, population genetics, growth and development, morphological variation, and health. Students will gain knowledge in how evolution works and how evolution influenced the way we are today.

LEARNING OUTCOMES:

The Department of Anthropology and Archaeology is committed to student knowledge and skill development.

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

- Understand evolution and the development of current evolutionary theory.
- Know about primates and understand the difference between apes and monkeys.
- Understand how humans relate to other primates.
- Be able to describe how humans are unique within the hominoids.
- Be able to synthesize early hominin evolution and details about fossil taxa.

- Be able to synthesize Pleistocene hominin evolution and details about fossil taxa.
- Understand modern human variation and the factors that lead to our diversity.
- Understand how cultural evolution influenced hominin evolution.
- Understand how humans are evolving today.
- Use critical assessment and communication skills to understand research papers.

REQUIRED READINGS AND TEXTBOOKS:

Boyd, R., & Silk, J. B. *How humans evolved*. New York: WW Norton. 9th Edition*

Available through the bookstore - <https://calgary-store.vitalsource.com/>

*** Earlier editions published after 2015 are acceptable but you may need to adjust the chapters based on content and title.**

Bonsall, M., & Charlesworth, B. (2010). Genetics and the causes of evolution: 150 years of progress since Darwin. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 365(1552), 2427-2429.

You will also be required to find and read journal articles for your Wikipedia page assessments (See below).

REQUIRED TECHNOLOGY and EQUIPMENT:

- You will require a computer with access to the internet.

COURSE REQUIREMENTS AND ASSESSMENT

Assessment	% of final grade
Quizzes (4) <ul style="list-style-type: none"> - Administered through D2L - 1st = Sept 26, 2nd = Oct 17, 3rd = Nov 7, 4th = Nov 30th - Open book (textbook, online, notes, lectures) - Multiple choice, true or false, and matching questions. - Quizzes will be available for a 24 hour period the day of each quiz. 	20% (5% each)
Wikipedia pages (2) <ul style="list-style-type: none"> - Teamwork - 1st due on Oct 10, 2nd due on Dec 5th - Online participation to create fake Wikipedia page on course topics - Late assignments will not be accepted 	40% (20% each)
Final Exam <ul style="list-style-type: none"> - Scheduled by the Registrar’s office. Date to be announced. - Administered through D2L - Cumulative - Open book (textbook, online, notes, lectures) 	40%

<ul style="list-style-type: none"> - Multiple choice, true or false, matching questions, and short answer - The exam will be available for a three hour window during the day of the exam. 	
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If for any reason you are unable to complete the quiz or an exam in the allotted time, for example if you have technical issues, you must contact me as soon as possible to discuss alternative arrangements.

There will be no extensions for the Wikipedia activities because they are based on group work and not contributing within the allotted timeframe would be detrimental to your peers.

Deferral of the registrar scheduled final exam requires Registrar approval.
<https://www.ucalgary.ca/registrar/exams/deferred-final-exams>

*****Please note that no extra credit or ‘make up’ work is available in this class*****
You do not need to pass each course component to earn a passing grade in the class

Regarding documentation: Students may provide supporting documentation for an exemption/special request. This may include, but is not limited to, a prolonged absence from a course where participation is required, a missed course assessment, a deferred examination, or an appeal. Students are encouraged to submit documentation that will support their situation. The decision to provide supporting documentation that best suits the situation is at the discretion of the student. Students cannot be required to provide supporting documentation. Falsification of any supporting documentation will be taken very seriously and may result in disciplinary action through the Academic Discipline regulations or the Student Non-Academic Misconduct policy.

Department of Anthropology and Archaeology Grading Scheme:

A+	95 – 100%	B+	80 – 84.9%	C+	67 – 70.9%	D+	55 – 58.9%
A	90 – 94.9%	B	75 – 79.9%	C	63 – 66.9%	D	50 – 54.9%
A-	85 – 89.9%	B-	71 – 74.9%	C-	59 – 62.9%	F	< 50%

Land Acknowledgement

The University of Calgary, located in the heart of Southern Alberta, both acknowledges and pays tribute to the traditional territories of the peoples of Treaty 7, which include the Blackfoot Confederacy (comprised of the Siksika, the Piikani, and the Kainai First Nations), the Tsuut’ina First Nation, and the Stoney Nakoda (including Chiniki, Bearspaw, and Goodstoney First Nations). The City of Calgary is also home to the Métis Nation of Alberta Region 3.

Acknowledgment and Respect for Diversity

The Department of Anthropology and Archaeology views diversity of identity as a strength and resource. Your experiences and different perspectives are encouraged and add to a rich learning environment that fosters critical thought through respectful discussion and inclusion.

COURSE POLICIES

This course will be taught asynchronously. The lectures will be uploaded in advance and you will be able to watch them on your own schedule but are encouraged to do so before the relevant quizzes and exams.

Wikipedia pages - you will be organized into groups and choose a topic to create a fake Wikipedia page with your peers. The page will be created on GoogleDocs and your participation and contributions will be visible through the doc history. Failure to contribute will result in loss of marks. This should be a fun activity and you are encouraged to be creative. Pages should include references, which will require reading academic research papers, and figures/images (also referenced). Topics will be announced at a later date.

The final exam will be culminative and held on D2L. It will be open for one day (date announced later) and will be designed to take 2 hours, and you will be given 3 hours to complete it once you start. The exam will be open book (textbook, online, notes, lectures). It will consist of multiple choice, true or false, and matching questions, as well as short answer questions. Although it is open book, copying and pasting answers from another source or have AI write your answers for you will be considered academic misconduct and will be treated as such (See <https://www.ucalgary.ca/legal-services/university-policies-procedures/student-academic-misconduct-policy>).

CLASS SCHEDULE

	Topic	Readings & videos	Assessments
Lecture 1 Sept 5	Introduction to biological anthropology	Boyd and Silk (B&S) - Prologue	
Lecture 2 Sept 7	Introduction to biological anthropology	B&S – Ch 1	
Lecture 3 Sept 12	Evolutionary theory	Bonsall & Charlesworth (2010)	
Lecture 4 Sept 14	Evolutionary theory	B&S – Ch 1	
Lecture 5 Sept 19	Genetics and The Modern Synthesis	B&S – Ch 2 and 3 Bonsall & Charlesworth (2010)	
Lecture 6 Sept 21	Phylogeny and Speciation	B&S – Ch 4	
Lecture 7 Sept 26	Non-human Primates <i>*Question day</i>	B&S – Ch 5 and 8	Quiz 1 – Lectures 1 to 6
Lecture 8 Sept 28	Primate behaviour	Movie: The Fascinating World of Primates <i>*Link available below</i>	
Lecture 9 Oct 3	Hominin adaptations	B&S – Ch 6 and 7	
Lecture 10 Oct 5	The first hominins	B&S – Ch 9	
Lecture 11 Oct 10	Australopithecines	B&S – Ch 10	
Lecture 12 Oct 12	Paranthropines	Movie: PBS Nova Documentary Collection: <i>Homo Sapiens</i> The Birth of Humanity <i>*Link available below</i>	
Lecture 13 Oct 17	P Homo habilis		
Lecture 14 Oct 19	Homo ergaster and Homo erectus <i>*Question day</i>		Quiz 2 - Lectures 8 to 12
Lecture 15 Oct 24	Homo naledi	B&S – Ch 11	
Lecture 16	Hominins in Asia		

Oct 26			
Lecture 17 Oct 31	Island hominins	Movie: Homo floresiensis: The real life 'Hobbit' *Link available below	
Lecture 18 Nov 2	Earliest Hominins in Europe		
Lecture 19 Nov 7	Neandertals and Denisovans		Quiz 3 – Lectures 13 to 18
Lecture 20 Nov 9	Pleistocene introgression	B&S – Ch 12	
Lecture 21 Nov 21	Anatomically Modern Humans *Question day	Movie: Neanderthals Extinction BBC Documentary *Link available below	
Lecture 22 Nov 23	Human behaviour	B&S – Ch 13	
Lecture 25 Nov 28	Neolithic Revolution	B&S – Ch 15 and 16	
Lecture 26 Nov 30	Modern Human Variability		Quiz 4 – Lectures 19 to 25
Lecture 27 Dec 5	Evolution and your health *Question day	B&S – Ch 14	Wikipedia 2 page due
TBA			Final Exam – Cumulative

Movies:

The Fascinating World of Primates

<https://www.youtube.com/watch?v=V3auPw3Ee3M>

PBS Nova Documentary Collection: *Homo Sapiens* The Birth of Humanity

<https://www.youtube.com/watch?v=oPbUxFpghs>

Homo floresiensis: The real life 'Hobbit'

<https://www.youtube.com/watch?v=mNVkrYAv8ZA>

Neanderthals Extinction BBC Documentary

<https://www.youtube.com/watch?v=dWKCdChLn0>

IMPORTANT DATES

M Sept 4	Labour Day, No Classes
T Sept 5	Start of Classes
R Sept 14	Last day to drop a class without a financial penalty
F Sept 15	Last day to add or swap a course
F Sept 22	Fee payment deadline for Fall Term full and half courses.
S Sept 30	National Truth and Reconciliation Day
M Oct 9	Thanksgiving Day, No Classes.
M Nov 13	Remembrance Day Observance
Nov 12-18	Reading Break. No classes.
W Dec 6	Fall Term Lectures End. Last day to withdraw with permission from Fall Term half courses.
Dec 9-20	Fall Final Exam Period.
Dec 25-31	Holiday Observance, University Closed.

UNIVERSITY POLICIES

ACADEMIC ACCOMMODATIONS

Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit <https://live-ucalgary.ucalgary.ca/student-services/access>. Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor or the Department Head. The full policy on Student Accommodations is available at <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Accommodation-Policy.pdf>.

ACADEMIC INTEGRITY POLICY

Academic integrity is the foundation of the development and acquisition of knowledge and is based on values of honesty, trust, responsibility, and respect. We expect members of our community to act with integrity. The University Calendar includes a statement on the principles of conduct expected of all members of the university community (including students, faculty, administrators, any category of staff, practicum supervisors, and volunteers), whether on or off university property. This statement applies in all situations where members of the university community are acting in their university capacities. All members of the university community have a responsibility to familiarize themselves with the principles of conduct statement, which is available at: www.ucalgary.ca/pubs/calendar/current/k.html.

ACADEMIC MISCONDUCT

The University of Calgary is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect.

Academic dishonesty is not an acceptable activity at the University of Calgary, and students are **strongly advised** to read the Student Misconduct section in the University Calendar at: www.ucalgary.ca/pubs/calendar/current/k-3.html. 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 your own without adequate citation, and (3) using work completed for another course. Such activities will not be tolerated in this course, and students suspected of academic misconduct will be dealt with according to the procedures outlined in the calendar at: <https://www.ucalgary.ca/legal-services/university-policies-procedures/student-academic-misconduct-procedure>

For students wishing to know more about what constitutes plagiarism and how to properly cite the work of others, the Department of Geography recommends that they attend Academic Integrity workshops offered through the Student Success Centre: <https://www.ucalgary.ca/student-services/student-success/learning/academic-integrity>

INSTRUCTOR INTELLECTUAL PROPERTY

Course materials created by professor(s) (including course outlines, presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the professor(s). These materials may NOT be reproduced, redistributed or copied without the explicit consent of the professor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing. Information on Instructor Intellectual Property can be found at <https://www.ucalgary.ca/legal-services/university-policies-procedures/intellectual-property-policy>

FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY ACT

Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary.

COPYRIGHT LEGISLATION

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (<https://ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy>) and requirements of the copyright act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorized sharing of course materials (including instructor notes, electronic versions of textbooks, etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

SUPPORTS FOR STUDENT LEARNING, SUCCESS, AND SAFETY

Please visit the Registrar's website at: <https://www.ucalgary.ca/registrar/registration/course-outlines> for additional important information on the following:

- Wellness and Mental Health Resources

- Student Success Centre
- Student Ombuds Office
- Student Union (SU) Information
- Graduate Students' Association (GSA) Information
- Emergency Evacuation/Assembly Points
- Safewalk