

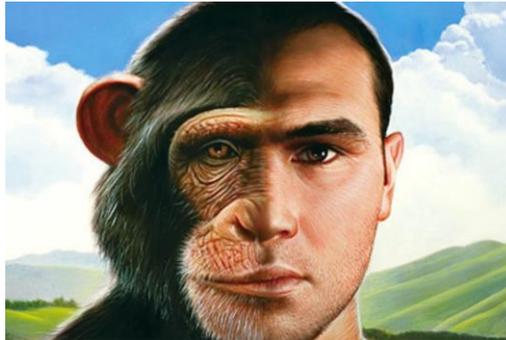
University of Waterloo
ANTH 204: Biological Anthropology
Winter 2019

Lectures: MWF 10:30am – 11:20pm in PAS 1229

Labs: M 11:30 – 12:20pm in PAS 2771

W 11:30 – 12:20pm in PAS 2771

F 11:30 – 12:20pm in PAS 2771



Instructor and T.A. Information

Instructor: Dr. Alexis Dolphin

Office: PAS 2015

Office Phone: 519-888-4567 x32603

Office Hours: Tuesday 1:30 – 3:30pm, or by appointment

Email: adolphin@uwaterloo.ca

T.A.: Jeffrey Coffin

Office: PAS 2203

Email: jacoffin@uwaterloo.ca

Office Hours: By appt

Course Description

The goal of this class is to achieve the scientific literacy needed to understand the biocultural nature of human evolution and human variation. We begin with an overview of the scientific method, the history of evolutionary thought and the genetic basis of short-term and long-term evolutionary change. Then we will focus on our closest relatives, the non-human primates; learning about their biology, behaviour, and taxonomic relationships with humans. The third segment will address issues surrounding the fossil record of human evolution and human origins. Finally, we will explore modern human adaptation and variation in their environmental context. The laboratory component of this course will allow students to gain hands-on experience working with fossil casts, human remains, and other materials relevant to the topics discussed during lecture.

Course Goals and Learning Outcomes

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

- A. Understand the role of biological anthropology, and the holistic biocultural approach of anthropology, in understanding humans and their primate relatives.
- B. Summarize and critically engage with current theories and practices in biological anthropology as they relate to: evolutionary theory, primate evolution and behaviour, ancient hominins and human origins, contemporary human variation, and bioarchaeology.
- C. Critically evaluate anthropological literature in terms of methodology and validity of resulting conclusions.
- D. Demonstrate appropriate and ethical laboratory practices while applying quantitative and qualitative methods to the analysis of hominin and primate casts, human remains and artifacts.

Required Text

- “A Human Voyage: Exploring Biological Anthropology” by Anne Keenleyside and Richard Lazenby. Second Edition. *an e-version is also available

The required text is available at the University of Waterloo bookstore. A copy has also been placed on reserve at the Dana Porter library (3 hour loan). If you decide to purchase the older edition of this text please do note that you will still be responsible for all of the material assigned from the second edition.

Readings Available on LEARN

Additional readings and relevant websites will be available on LEARN

Course Requirements and Assessment

| <u>Assessment</u> | <u>Date</u> | <u>Weighting</u> |
|-------------------|-----------------------|------------------|
| Test 1 | February 11 | 20% |
| Test 2 | March 18 | 20% |
| Final Exam | TBA | 40% |
| Labs | At end of lab periods | 20% |
| Total | | 100% |

Tests

You will have two tests in this course at 20% each, or 40% of your total grade. The content of the tests will be derived primarily from lectures and readings, but web content, lab activities and videos/films shown in class or posted on LEARN are also eligible for testing. The format of the test may include multiple choice, fill-in-the-blank, true-false, matching and/or short answer questions.

Test 1 will cover material taught from January 7 through February 8, Test 2 will cover material taught from February 13 through March 15. If you miss a class, you should obtain notes from another student.

Final Exam

The Final Exam for this course is worth 40% of your final grade, and will be scheduled later in the term by the Registrar’s Office. The exam will be cumulative and cover material taught through the entire semester. The content of the exam will be derived primarily from lectures and readings, but web

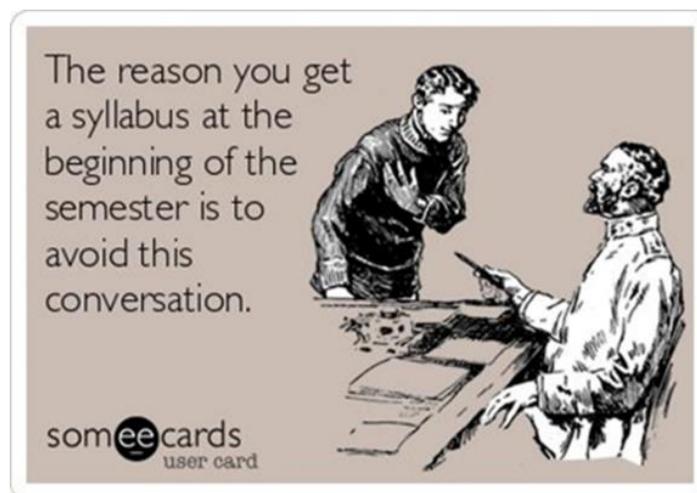
content, lab activities and videos/films shown in class or posted on LEARN are also eligible for testing. The format of the test may include multiple choice, fill-in-the-blank, true-false, matching and/or short answer questions. In addition, and unlike the Tests, the Final Exam will include a choice of short essay questions.

Labs

Laboratory periods will provide time for group work with fossil casts, primate casts, human remains, artifacts, and various other activities. All combined, your labs are worth 20% of your final grade. To receive full laboratory marks you must be in attendance AND hand in any assigned activities at the end of the lab period. No make-up labs are offered. If you are unable to attend a lab session you must contact Dr. Dolphin ASAP via email or phone to discuss alternative lab options. DO NOT SWITCH BETWEEN LAB PERIODS without attaining permission to do so ahead of time...otherwise, the work you hand in for the incorrect lab section will not be counted toward your final grade. Permission to attend another lab must be granted by Dr. Dolphin, and will only be approved in cases of a documented illness or family emergency. If you are on a varsity team or active in any other extracurricular groups on campus that may conflict with your attendance during lectures or lab periods please do let me know right away so that we can get a plan sorted to accommodate you.

Late Work

Occasionally there are aspects of life that make it impossible for students to meet deadlines or to take exams as scheduled. Whether it be a medical issue, religious observance, or a death in the family, it is essential that you contact Dr. Dolphin as soon as possible to discuss your options. Failure to contact Dr. Dolphin within one week of missing the work will result in a grade of zero for that assignment/test. There are no other Late Penalties for this class as all tests and exam may only be completed at their scheduled times, and all lab assignments must be completed and handed-in at the end of the relevant lab period.



Course Outline

Below is a list of topics to be discussed, and of readings required, for this course. Chapters listed are from the primary text by Keenleyside and Lazenby. Additional readings and/or web content, and videos will be posted on LEARN to supplement these readings.

| Week | Topic | Readings | Labs |
|-------------------------|---|--|--------------------------------------|
| 1: Jan 7, 9, 11 | Introduction to Anthropology & Evolutionary Thought | Chapters 1 & 2 | |
| 2: Jan 14, 16, 18 | Natural Selection, Bio Basics & Inheritance | Chapter 3 | Lab #1: Natural Selection |
| 3: Jan 21, 23, 25 | Evolution | Chapter 4 | Lab #2: Skeletal Anatomy |
| 4: Jan 28, 30, Feb 1 | Primates & Their Evolution | Chapter 5 | |
| 5: Feb 4, 6, 8 | Primate Behaviour | Chapter 6 | Lab #3: Primate Anatomy |
| 6: Feb 11, 13, 15 | Test #1 – Feb 11 Humans | Chapter 8 | |
| 7: Feb 18, 20, 22 | READING WEEK (no classes) | | |
| 8: Feb 25, 27, Mar 1 | Primate Evolution & Early Hominins | Chapters 7 & 9 | |
| 9: Mar 4, 6, 8 | The Genus Homo | Chapters 10 & 11 (248-256) | Lab #4: Early Hominins |
| 10: Mar 11, 13, 15 | Archaic & Modern <i>Homo sapiens</i> | Chapters 11 (256-272) & 12 | Lab #5: Homo |
| 11: Mar 18, 20, 22 | Test #2 – Mar 18 Human Diversity | Chapter 14 (332-337) & readings on LEARN | |
| 12: Mar 25, 27, 29 | Race, Epidemiological Transitions & Intro to Bioarchaeology | Chapter 13 & 14 (316-331; 337-346) | Lab #6: Human Osteology |
| 13: April 1, 3, 5 | Bioarchaeology Cont'd & Final Exam Review | Chapter 14 (337-345) Blakey 2001 | |

Electronic Device Policy

No electronic devices will be allowed in the classroom during tests and examinations. Please turn your phone off and keep it out of site during class time so that it does not disturb others. You are welcome to bring your laptop/tablet to class for the purpose of taking notes, and only for that purpose. We will ask you to close your laptop if you are using it for other things, because it is distracting to those around you.

Attendance Policy

While I do not take attendance in lectures, it is obvious that you attain a greater level of understanding of the course material if you come to class. Laboratory grades rely on your attendance during your lab period, so please do be there.

Cross-listed course

Please note that a cross-listed course will count in all respective averages no matter under which rubric it has been taken. For example, a PHIL/PSCI cross-list will count in a Philosophy major average, even if the course was taken under the Political Science rubric.

Academic Integrity and Discipline

Academic Integrity: In order to maintain a culture of academic integrity, members of the University of Waterloo are expected to promote honesty, trust, fairness, respect and responsibility. See the [Office of Academic Integrity webpage](#) for more information.

Discipline: A student is expected to know what constitutes academic integrity, to avoid committing academic offences, and to take responsibility for his/her actions. Check [the Office of Academic Integrity](#) for more information. A student who is unsure whether an action constitutes an offence, or who needs help in learning how to avoid offences (e.g., plagiarism, cheating) or about “rules” for group work/collaboration should seek guidance from the course professor, academic advisor, or the Undergraduate Associate Dean. When misconduct has been found to have occurred, disciplinary penalties will be imposed under Policy 71 – Student Discipline. For information on categories of offenses and types of penalties, students should refer to [Policy 71 - Student Discipline](#). For typical penalties check [Guidelines for the Assessment of Penalties](#).

Grievances and Appeals

Grievance: A student who believes that a decision affecting some aspect of his/her university life has been unfair or unreasonable may have grounds for initiating a grievance. Read [Policy 70 - Student Petitions and Grievances](#), Section 4. When in doubt, please be certain to contact the department’s administrative assistant who will provide further assistance.

Appeals: A decision made or penalty imposed under Policy 70 - Student Petitions and Grievances (other than a petition) or Policy 71 - Student Discipline may be appealed if there is a ground. A student who believes he/she has a ground for an appeal should refer to [Policy 72 - Student Appeals](#).

Accommodation for Students with Disabilities

Note for students with disabilities: The [AccessAbility Services](#) office, located on the first floor of the Needles Hall extension (1401), collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations to lessen the impact of your disability, please register with the AS office at the beginning of each academic term.

Mental Health Support

All of us need a support system. The faculty and staff in Arts encourage students to seek out mental health supports if they are needed.

On Campus

- Counselling Services: counselling.services@uwaterloo.ca / 519-888-4567 ext 32655
- [MATES](#): one-to-one peer support program offered by Federation of Students (FEDS) and Counselling Services
- Health Services Emergency service: located across the creek from Student Life Centre

Off campus, 24/7

- [Good2Talk](#): Free confidential help line for post-secondary students. Phone: 1-866-925-5454
- Grand River Hospital: Emergency care for mental health crisis. Phone: 519-749-433 ext. 6880
- [Here 24/7](#): Mental Health and Crisis Service Team. Phone: 1-844-437-3247
- [OK2BME](#): set of support services for lesbian, gay, bisexual, transgender or questioning teens in Waterloo. Phone: 519-884-0000 extension 213

Full details can be found online at the Faculty of ARTS [website](#)

Download [UWaterloo and regional mental health resources \(PDF\)](#)

Download the [WatSafe app](#) to your phone to quickly access mental health support information

Territorial Acknowledgement

We acknowledge that we are living and working on the traditional territory of the Attawandaron (also known as Neutral), Anishinaabe and Haudenosaunee peoples. The University of Waterloo is situated on the Haldimand Tract, the land promised to the Six Nations that includes 10 kilometres on each side of the Grand River.

For more information about the purpose of territorial acknowledgements, please see the [CAUT Guide to Acknowledging Traditional Territory \(PDF\)](#).

Academic freedom at the University of Waterloo

[Policy 33, Ethical Behaviour](#) states, as one of its general principles (Section 1), “The University supports academic freedom for all members of the University community. Academic freedom carries with it the duty to use that freedom in a manner consistent with the scholarly obligation to base teaching and research on an honest and ethical quest for knowledge. In the context of this policy, 'academic freedom' refers to academic activities, including teaching and scholarship, as is articulated in the principles set out in the Memorandum of Agreement between the FAUW and the University of Waterloo, 1998 (Article 6). The academic environment which fosters free debate may from time to time include the presentation or discussion of unpopular opinions or controversial material. Such material shall be dealt with as openly, respectfully and sensitively as possible.” This definition is repeated in Policies 70 and 71, and in the Memorandum of Agreement, Section 6.

