

ARKY 203: INTRODUCTION TO PHYSICAL ANTHROPOLOGY

Winter 2013: Tues Thurs 8:00 AM to 9:15 AM
ST 141

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Office Hours: Wednesday 1:00 PM – 2:00 PM or by appointment

COURSE DESCRIPTION

This course is a comprehensive introduction to one of the four sub-disciplines of Anthropology: Physical Anthropology. Physical, or biological, anthropology is the study of human biology within the framework of evolution. As such, this course employs a scientific view of human evolutionary biology. The course covers the scope, goals and major discoveries of physical anthropology, focusing on human biological evolution, the hominin fossil record, and modern human diversity. In addition, we will briefly cover the work of forensic anthropologists. This course will provide students with a solid foundation in physical anthropology. By the end of the course students should have a better understanding of how characteristics unique to humans may have evolved through learning about our evolutionary past. Labs provide students with exercises and assignments that focus on specific concepts discussed in lectures and readings.

REQUIRED TEXTS

Jurmain, Robert, Lynn Kilgore, Wenda Trevathan, and Russell L. Ciochon. 2011-2012 edition. *Introduction to Physical Anthropology*. Thomson Wadsworth, CA.

Archaeology 203 Laboratory Manual. *Lab Manual for Physical Anthropology*.

- **The manual will be posted on blackboard** – students need to download weekly exercises to bring to labs each week.
- **Labs begin in the second week of classes.**
- **Lab Participation:** Students are required to participate in data collection and provision of data in the Anthropometry Lab. Students should acquaint themselves with requirements in advance of the lab.

LEARNING OUTCOMES

- To understand the major theories, principles, and methods of physical anthropology.
- To understand the basic genetic principles underlying our knowledge of human evolution.
- To know the major historical and modern figures who have contributed to evolutionary theory and physical anthropology.
- To understand the relationship between humans and non-human primates.
- To recognize the key events in human evolutionary history.
- To appreciate the range of variation and adaptation in modern humans.
- To understand the techniques and applications of physical and forensic anthropology.
- To know the ways in which the study of physical anthropology impacts the lives of modern humans.

ASSESSMENT

In order to succeed in this course, it is essential that students attend lectures and labs. Students are responsible for their own note taking. While I will post PowerPoint Lecture Handouts on Blackboard, **these are minimal outlines and are not a substitute for in-class note-taking!** As well, attendance and participation in the laboratory portion of the course, and the completion of laboratory pre-labs and lab assignments are critical to your success.

Please be on time and prepared for lectures and labs. Preparation involves completing the required readings before attending class and lab, and completing the pre-lab questions to be turned in at the beginning of labs.

Your understanding of the course content and concepts will be assessed as follows:

Midterm Exam	February 28	30%
Labs		40%
Final Exam	TBA: April 13-19	<u>30%</u>
		100%

Exams may be a mix of multiple choice, true and false, and matching and will be based on course lectures, readings and videos. **The final exam is cumulative.**

Grade Scale: FINAL grades greater than XX.5 will be rounded up.

A+	96 – 100%	B	76 – 79.5%	C-	56 – 59.5%
A	90 – 95.5%	B-	70 – 75.5%	D+	53 – 55.5%
A-	86 – 89.5%	C+	66 – 69.5%	D	50 – 52.5%
B+	80 – 85.5%	C	60 – 65.5%	F	< 50%

****No particular course component need be passed in order to pass the course as a whole.**

Missed Quizzes or Exams:

A student who is absent from an exam (or misses an online quiz) for legitimate reasons (illness, religious or spiritual observance, etc.) must discuss an alternative course of action with me; **acceptable documentation will be required.** If you miss an exam due to illness or other critical event, please contact me **as soon as possible after missing the exam.** If you know ahead of time that you have a conflict for the day of an exam, speak to me as soon as possible (*at least two weeks*) **prior** to missing an exam so that I can make other arrangements for you.

Religious/spiritual observance **does not** preclude a student from having to meet deadlines for submission of written assignments when such deadlines fall on a day of observance and the deadline was determined at the start of the course, as per University of Calgary Academic Regulations. Students who miss classes for religious/spiritual observances must make up the material covered in that class on their own.

****Quizzes and exams not completed will be awarded a “0” unless prior arrangements have been made with me or you notify me promptly upon missing a quiz (as detailed above).**

These policies are intended to encourage diligence and integrity on the part of each student as well as to uphold the principles of fairness and equality with respect to other students in the course.

LECTURE & READING SCHEDULE

***Please note: there may be changes to this schedule depending on the pace of lectures and unforeseen circumstances.**

Date	Topic	Readings
January 8	Course Orientation, Intro to Physical Anthropology	Preface/Ch.1
January 10	Historical Background to Evolutionary Theory	Ch. 2
January 15/17	Darwin and Mendal: Evolutionary Theory	Relevant sections of Ch. 2,4
January 22	Genetics	Ch.3
January 24	Video: <i>What Darwin Never Knew</i>	
January 29	Human Variability	Ch.15,16
January 31	Video: <i>Charles Darwin's Legacy</i>	
February 5	Macroevolution	Ch. 5
February 7	Study of Living Primates and Primate Behavior	Relevant sections of Ch. 6,7
February 12	Fossil Primates, Intro to Paleoanthropology	Relevant sections of
February 14	Intro to Paleoanthropology	Ch.9, all of Ch. 10
February 17-24	READING WEEK – NO LECTURES	
February 26	Review	
February 28	MIDTERM	
March 5/7	Hominin Origins	Ch. 11
March 12	Video: <i>Becoming Human: First Steps</i>	
March 14	First Dispersal of the Genus <i>Homo</i>	Ch. 12
March 19	First Dispersal of the Genus <i>Homo</i>	Ch. 12
March 21	Video: <i>Becoming Human: Birth of Humanity</i>	
March 26/28	Premodern Humans	Ch. 13
April 2/4	Origins and Dispersal of Modern Humans	Ch. 14
April 9	Video: <i>Becoming Human: Last Human Standing</i>	
April 11	Forensic Anthropology	Relevant sections of Ch.17
April 16	Forensic Anthropology & Final Exam Review	
April 19-30	FINAL EXAM TBA	

ADDITIONAL CONTENT OF THE COURSE OUTLINE

Attendance

It is strongly advised that students attend all classes. Although lectures, videos, and readings will provide overlapping material, students are responsible for all materials covered in lectures, assignments, videos and the text. **A strong passing grade will be difficult without regular lecture attendance.**

Cell Phones, etc.

Ringers must be set to “silent” or “meeting” to avoid disrupting the class. Cell phone conversations are not permitted in class and students must excuse themselves from the lecture room to receive calls. Internet and other electronic devices (e.g. laptops, tablets) are permitted in class, EXCEPT during tests and exams. However, if a student’s activity on such devices is interrupting the learning experience of others, they will be asked to cease such activity.

Statement of Fair Warning

In this course readings and lectures may contain ideas and information that some students find disturbing or otherwise troubling. Any student not wishing to undertake this work should contact the instructor immediately so that enrolment in an alternative course more in keeping with the student’s interests can be facilitated.

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.

Academic Accommodation Policy

The purpose of academic accommodation is to provide students with documented disabilities equal opportunity to master the essentials of a post-secondary education. Students with disabilities at the University of Calgary have met all admission requirements but may have done so with the use of accommodations. Similarly, they are expected to meet all academic and non-academic requirements. Adaptive technology and other academic accommodations do not relieve students of their responsibility to develop the essential skills and abilities expected of all students. Please refer to the following web link for detailed information: <http://www.ucalgary.ca/drc/node/71>

Disability Resource Centre Accommodations

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 the Disability Resource Centre, please contact their office at (403)220-8237. Students who have not registered with the Disability Resource Centre 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.

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/legalservices/foip>

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 your 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>

Plagiarism

Plagiarism involves submitting or presenting work as if it were the student's own work when it is not. Any ideas or materials taken from another source written, electronic, or oral must be fully and formally acknowledged. Plagiarism includes but is not limited to:

- (a) The work submitted or presented was done, in whole or in part, by an individual other than the one submitting or presenting the work (this includes having another impersonate the student or otherwise substituting the work of another for one's own in an examination or test),
- (b) Parts of the work are taken from another source without reference to the original author,
- (c) The whole work (e.g., an essay) is copied from another source, and/or,
- (d) A student submits or presents work in one course which has also been submitted in another course (although it may be completely original with that student) without the knowledge of or prior agreement of the instructor involved.

While it is recognized that scholarly work often involves reference to the ideas, data and conclusions of other scholars, intellectual honesty requires that such references be explicitly and clearly noted. Plagiarism is an extremely serious academic offence. It is recognized that clause (d) does not prevent a graduate student incorporating work previously done by him or her in a thesis or dissertation.

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>

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.

Contact Information for Student and Faculty Representation

Student Union Vice President - Academic

Phone: (403) 220-3911

Email: suvpaca@ucalgary.ca

Student Union Faculty Representatives

Sarah Damberger

arts1@su.ucalgary.ca

587-7777-5244

Hana Kadri

arts2@su.ucalgary.ca

403-667-9220

Kelsy Norman

arts3@su.ucalgary.ca

403-861-2624

Student Ombudsman's Office
<http://www.ucalgary.ca/provost/>

Students Union Representatives for the Faculty of Arts
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arts2@su.ucalgary.ca
arts3@su.ucalgary.ca
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