

DEPARTMENT OF ANTHROPOLOGY AND ARCHAEOLOGY
ANTHROPOLOGY 505.1
Conference Course in Primatology:
THE PRIMATE FOSSIL RECORD
WINTER 2016

Tuesdays and Thursdays 11:00 – 12:15 pm
Room #: ES 614

Instructor: Dr. Susanne Cote
Office: ES 750
Tel: 220-8190
Email: scote@ucalgary.ca
Office Hours: Tuesdays 3 - 5pm, or by appointment

TA: Gina Carroll
Email: gmacarro@ucalgary.ca



COURSE DESCRIPTION:

A review of the primates, from the origin of the clade to the present day. The course will cover the environmental and chronological context for primate evolution, extinct and extant species diversity, and current debates and problems in the field of primate evolution. Laboratories will focus on demonstrating the diversity of primate dietary, locomotor, and social adaptations, and how these are inferred in the fossil record.

Prerequisites: ANTH 311 and one other senior primatology course and consent of the Department. **Note:** ANTH 309 is strongly recommended.

REQUIRED READINGS:

- Fleagle, J. (2013). *Primate Adaptation and Evolution*. 3rd Edition. Elsevier.
- Additional readings from the scientific literature as indicated in the Schedule and on D2L – please note that additional readings will be added throughout the term!

Recommended Readings:

- Whitehead, P. et al. (2004). *A Photographic Atlas for Physical Anthropology*. Morton Publishing Company. [*Can be hard to find. Check for used copies*]

COURSE OBJECTIVES:

Upon completion of this course, students will know:

- The systematics of living primates, including the basic anatomical differences that distinguish species from both a functional and phylogenetic perspective
- The broad scope of primate evolution – including the temporal and geographic setting, important species, and evolutionary adaptations
- The relationship of fossil primates to living primates
- How to reconstruct function, behavior and phylogenetic relationships among species from the fossil record
- How to research and write a scientific research paper in the field of biological anthropology

COURSE REQUIREMENTS AND GRADING:

Six In-class Lab Assignments – 15%	Research Paper – 35%
Midterm Exam – 20%	- 5% Proposal
Final Exam – 30%	- 10% Peer Review
	- 20% Final Paper

Lab Assignments – 15%

Six (6) **mandatory in-class** laboratory assignments throughout the semester (see Class Schedule). Each assignment will be worth 2.5% of your final grade. The purpose of the labs is to give students the opportunity to examine fossils and fossil casts first hand and learn how paleontologists study fossil remains. All work needed to successfully complete the lab assignment will be done **in class**.

Mid-term Examination – 20% - March 8th in class

This exam will cover lectures, laboratories, and readings assigned since the beginning of term through February 25th (inclusive). The format will include a mixture of different types of short answer questions, medium answer questions, and an essay.

Scientific Research Paper – 35%

This is a four-part assignment in which you will write a scientific research paper on a topic of your choice. A detailed handout will be provided the second week of class. Proposals are due **February 23rd in class (5%)**. A complete draft of your paper is due **March 24th**. I will assign your paper to another student in the class (anonymously) and give you another student's paper to review. Peer reviews are due **April 7th (10%)**. Final papers are due by **noon on April 15th (20%)**.

Final Examination – 30% - Registrar scheduled (April 16 - 27th 2015)

The final examination will cover ALL lectures, laboratories, and assigned readings for the term. The format will be the same as the midterm examination and will include a mixture of different types of short answer questions, medium answer questions, and an essay.

Department of Anthropology and Archaeology Grading Scheme:

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 behavior and attendance:

- The most important thing is to be respectful and supportive of other students. Please turn your cell phone and any other electronic devices. You may use a laptop to take notes, but please sit in the back or along the sides so as to not disturb other students. Please only use your laptops to take notes, and remember that instructors can often tell when you are watching videos, looking at Facebook etc.

- 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 AFTER class, not before. You should come to class prepared to take notes. Please note that reading the lectures slides alone will NOT be sufficient to get a good grade in this class. All material from lectures is testable, and lecture slides will not have everything you need to know.

Labs:

- Most importantly, you must **DOWNLOAD AND PRINT EACH LAB ASSIGNMENT FROM D2L** and bring it with you to class. Otherwise you won't be able to complete the assignment!
- Students are encouraged to work in groups for the lab exercises and to seek help and advice from Dr. Cote and the TA as often as needed.
- All work necessary to complete the lab exercises will be done **IN CLASS**. There will be no 'homework' from labs and you will submit your lab exercises at the end of class.
- Labs are **MANDATORY** and may only be missed in the case of serious illness or personal emergency (same rules as for exams). You must contact the TA as soon as possible (preferably before class) if you need to miss lab.
- The only opportunity to make-up missed laboratory exercises will be at the end of term after the last day of classes.

Exam and Grading Policies:

- Missed exams automatically receive a score of zero. In the event of an emergency or illness, the Anthropology main office (403-220-6516) or the instructor **MUST** be notified **BEFORE** the exam, and documentation (e.g. signed Physician's Statement) must be provided. Make up exams may be in any format (including oral examination); performance on make-up exams is often poorer.
- Exams grades will be posted on D2L as quickly as possible. Midterms will be returned to students, but final exams will not. If you wish to see your final exam, please make an appointment.
- All assignments are due **AT THE BEGINNING OF CLASS** on the day indicated in this course outline. Late assignments are penalized 5% per day (calendar day, not business day), except for term paper drafts and peer reviews, which are penalized at 20% per day to ensure fairness to all students.
- If you have questions about the grading of your exam or assignment, please see Dr. Cote as soon as possible. After consultation with the teaching staff, you may dispute a grade that you have received by submitting a written statement within two weeks of receiving the grade.

Communication Guidelines:

- The best place to ask questions is **IN CLASS** or during office hours. This is a small class, so take advantage of that and speak with your instructor and TA in person!
- Questions during lectures are welcome, so please just raise your hand. If something doesn't make sense to you, it probably didn't make sense to other students either!

- I always prefer to talk IN PERSON with students whenever possible. I will answer questions over email, however due to the volume of emails I receive I cannot commit to answering email questions immediately. It may take up to 2 business days (48 hours), so do not send questions last minute.
- I reserve the right to share questions and answers transmitted over email on D2L or in class if the answers are pertinent to everyone in the class. This saves time, and ensures that all students have access to the same information as they prepare for assignments and exams.
- Before emailing a question, please make sure that it hasn't already been addressed in the course outline, assignment handouts, or on D2L!

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.

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.

Faculty of Arts Program Advising and Student Information Resources

- Have a question, but not sure where to start? The new Faculty of Arts Program Information Centre (PIC) is your information resource for everything in Arts! Drop in at SS110, call us at 403-220-3580 or email us at artsads@ucalgary.ca. You can also visit the Faculty of Arts website at <http://arts.ucalgary.ca/undergraduate> which has detailed information on common academic concerns.

- For program planning and advice, contact the Student Success Centre (formerly the Undergraduate programs Office) at (403) 220-5881 or visit them in their new space on the 3rd Floor of the Taylor Family Digital Library.
- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at (403) 210-ROCK [7625] or visit them at the MacKimmie Library Block.

Contact for Students Union Representatives for the Faculty of Arts:

arts1@su.ucalgary.ca
 arts2@su.ucalgary.ca
 arts3@su.ucalgary.ca
 arts4@su.ucalgary.ca

CLASS SCHEDULE:

****Please note that lecture topics and readings are subject to change****

Date	Topics	Readings
January 12	Course Introduction; The Fossil Record and Timing of Primate Evolution	Chapters 1 and 10
January 14	What is a Primate? Primate Relationships	Chapters 2 and 9
January 19	Primate Origins – Historical Perspectives	Chapter 11; Sargis 2002
January 21	Lab #1: Primate Taxonomy, Phylogeny, and Anatomy	
January 26	Paleocene Primates	
January 28	Adapoids	Chapter 12
February 2	Omomyoids	
February 4	Lab #2: Early Fossil Primates	
February 9	Fossil Prosimians	Yoder 1997
February 11	Subfossil Lemurs – GUEST LECTURE	Chapter 4
February 16	NO CLASS – READING BREAK	
February 18	NO CLASS – READING BREAK	
February 23	Early Anthropoids - Eocene Term Paper Proposals Due	Chapter 13
February 25	Lab #3: Early Fossil Primates II	
March 1	Early Anthropoids – Oligocene	
March 3	Anthropoid Adaptations and Phylogeny	
March 8	Midterm Examination	
March 10	Lab #4: Fayum Anthropoids	
March 15	Fossil Platyrrhines and Getting to the New World	Chapter 14; Houle 1999
March 17	Oligocene and earliest Miocene Catarrhines	Chapter 15
March 22	Early Miocene Catarrhines	
March 24	Lab #5: Platyrrhines and Early Catarrhines Term Paper Drafts Due	
March 29	Middle Miocene Catarrhines	Begun et al 2012

March 31	Late Miocene Apes and Monkeys	Chapter 16
April 5	Cercopithecoidea	
April 7	Lab #6: Miocene Catarrhines and OWM Peer Reviews Due	
April 12	Synthesis and Wrap-Up	Chapter 18
TBA	Lab Review: Self-directed review of lab materials; Make-Up Labs	
April 15	Final Term Papers Due (Noon. Yellow Box @ ES620)	
April 16-27	Final Exam (to be scheduled by the Registrar)	

*Chapters 3, 5, 6, and 7 should be largely review from previous coursework, but may be helpful to students.