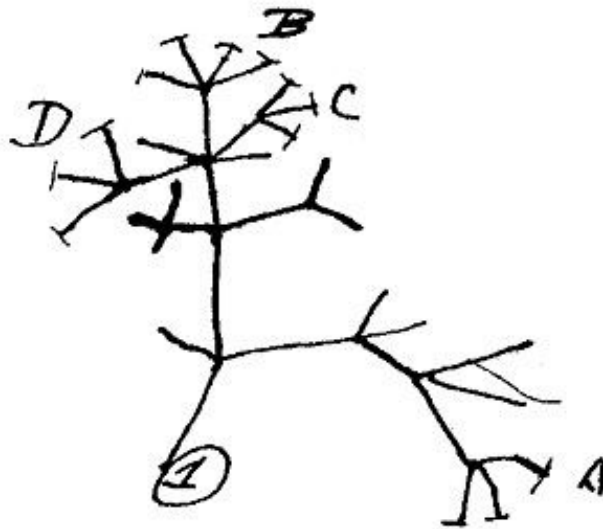


University of Calgary  
Department of Anthropology and Archaeology

*I think*



Darwin's Tree of life (circa 1837)

**ANTH201.01 – Winter 2017**  
**Introduction to Primatology and Human Evolution**

*What is biological anthropology? How do humans fit into the natural world? Who are our closest relatives? How primates and humans evolved? What methods are used to study primates and human evolution? What is source of the variations we see in living primates and humans? In this course we will address these questions using evolutionary principles and processes.*

**Instructor:** Dejana Nikitovic

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## **Welcome to ANTH201,**

### Introduction to Primatology and Human Evolution

**Department of Anthropology and Archaeology, University of Calgary**

Please read the course syllabus carefully. A syllabus is a *learning contract*. It contains everything you need to know about the logistic of a course. When you have questions, the syllabus is the **FIRST** place you should look for answers.

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<b>Course Instructor:</b>	Dejana Nikitovic, PhD ABD <b>Email:</b> <a href="mailto:dejana.nikitovic@ucalgary.ca">dejana.nikitovic@ucalgary.ca</a>
<b>Instructor Office Hours:</b>	Wednesday's, 11:00-12:00, Room ES 602J or by appointment <b>Map:</b> <a href="http://ucmapspro.ucalgary.ca/RoomFinder/?Building=ES&amp;Room=602J&amp;thickbox=1&amp;TB_iframe=true&amp;height=600&amp;width=980">http://ucmapspro.ucalgary.ca/RoomFinder/?Building=ES&amp;Room=602J&amp;thickbox=1&amp;TB_iframe=true&amp;height=600&amp;width=980</a>
<b>Lectures:</b>	Monday's, Wednesday's & Friday's, 10:00-10:50, Room SB103 <b>Map:</b> <a href="http://ucmapspro.ucalgary.ca/RoomFinder/?Building=SB&amp;Room=103&amp;thickbox=1&amp;TB_iframe=true&amp;height=600&amp;width=980">http://ucmapspro.ucalgary.ca/RoomFinder/?Building=SB&amp;Room=103&amp;thickbox=1&amp;TB_iframe=true&amp;height=600&amp;width=980</a> <b>LECTURES begin Monday, January 9<sup>th</sup>, 2017</b>
<b>Teaching Assistant:</b>	Nicola Guthrie <i>See the "Contacts" folder on D2L for the office hours.</i>

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### 1. COURSE DESCRIPTION

The course is divided into three parts. We begin with a discussion of the history of evolutionary thought, focusing on the theoretical breakthroughs of Charles Darwin and his contemporaries. We will also see how evolutionary theory developed during the 20<sup>th</sup> century and up until the present, incorporating modern genetics, population biology, microevolution and macroevolution. The goal is to clarify these fundamental biological concepts for a better understanding of the evolution of unique primate (including human) features.

In the second section, we will review the various groups making up the Order Primates, including strepsirhines, tarsiers, New World monkeys, Old World monkeys, and apes. We will discuss what makes primates unique among mammals, and how primate taxonomic groupings vary in morphology, function, ecology, and social behavior.

Finally, the third section of the course will focus on the evolution of humans and our ancestors. We will trace our lineage through the first hominins, early species in the genus *Homo*, and, finally, anatomically modern humans. We will examine the fossil, molecular, and archaeological evidence for these major developments in human evolution.

### 2. LEARNING OBJECTIVES

Upon the successful completion of ANTH201, you will be able to:

- a) Define the scope of anthropology and discuss the role of biological anthropology within the discipline.
- b) Identify the main contributors to the development of evolutionary theory.
- c) Explain the basic principles of Mendelian, molecular and population genetics.
- d) Evaluate how the forces of evolution produce genotypic and phenotypic change over time.
- e) Demonstrate an understanding of classification, morphology and behavior of living primates.
- f) Describe different theories regarding primate evolution and what traits are considered part of the primate pattern.
- g) Summarize methods used in interpreting the fossil record, including dating techniques.
- h) Describe how humans fit into the primate family tree, and how humans evolved.
- i) Develop your critical reading, writing, and thinking skill to help you think through and assess claims made about primate and human evolution, and individual and population variability.

### 3. TEXTBOOK AND REQUIRED READINGS

Keenleyside A & Lazenby R. 2015. *A Human Voyage. Exploring Biological Anthropology*. 2<sup>nd</sup> edition. Toronto: Nelson.

**NOTE: While 1<sup>st</sup> edition of the textbook may be used, you will have to check for differences in content!!!!**

The textbook is available for purchase from the UofC Bookstore. **Additional readings may be posted on the course website on D2L or from the University of Calgary Library.** The library has great online and in-person resources to assist students in finding journal articles, searching article databases, and conducting research. I strongly encourage you to attend workshops and

seminars throughout the year to get the support you need to develop your research skills. Our designated librarian is Sandra Lipton ([lipton@ucalgary.ca](mailto:lipton@ucalgary.ca); TFDL 530C).

**4. ORGANIZATION OF THE COURSE** - Please read carefully!

**4.1 Lectures:** Class will meet three times a week for 50 minutes long lectures. The lectures and videos showed in lectures will complement readings, although I will often provide a contrasting interpretations or perspectives.



Arrive for class on time, with your readings, notes and any assigned materials on hand. Be ready to contribute to the discussion by having read assigned material in advance of class.

**Your active participation in discussions is vital to the success of the course – each of you contributes to our collective learning!** *Being prepared for class and participating in lectures will make the course more interesting, relevant, and fun.*



There is some overlap in the lectures, required readings and the films. However, you are responsible for any material in the textbook whether it is discussed in lectures or not.

**4.2 Lecture Notes:** Lecture slides will be posted on D2L before each class. Please keep in mind that posted slides are NOT sufficient without the readings and the lectures. They should augment, not substitute attending the class and in-class note taking.



To improve your note taking skills, see the “Note Taking” presentation posted on D2L.

**4.3 Desire2Learn (D2L):** Consult the course website regularly for announcements, assignment information, readings, handouts, lecture slides and study guides.

**Use the D2L “Discussion Forums” for ALL content related questions.** Before posting a question, please make sure that it has not already been addressed in the course outline or on D2L (announcements or discussion forums). The discussion forums are moderated by the teaching team. Please allow two business days (48 hours) for a response to your posted questions.



Use “Discussion Forums” to post your question, discuss course content, share information relevant to the course and biological anthropology in general, and share your ideas with classmates. This way, all students will have access to the same information when preparing for assignment and exams.

**HOW TO:** To learn how to post a new question or reply to already posted messages, see <https://www.youtube.com/watch?v=K4xX1PA9bw>

## 5. EVALUATION AND ASSIGNMENT

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

Midterm #1 (held in lecture on Monday, February 6 <sup>th</sup> )	25%
Midterm #2 (held in lecture on Monday, March 13 <sup>th</sup> )	25%
Final Exam (Registrar's Scheduled to be announced)	35%
Written Assignment	15%

### 5.1 Midterms and Final Exam

**Worth: 85%**

Exams will be based on the material from readings, lectures, videos and assignments. All exams will be in short answer format (e.g. multiple choice, true/false, matching).

The **Midterm #1 is worth 25%, and will be held in lecture on Monday, February 6<sup>th</sup>**. It will focus on content covered in the first part of the course.

The **Midterm #2 is worth 25%, and will be held in lecture on Monday, March 13<sup>th</sup>**. It will focus on content covered in the second part of the course.

The **Final Exam is worth 35%, and will be held during regular schedule exam period**. It will focus on content covered in the third part of the course.



**It pays to attend lectures!** I will regularly provide study advices during the lecture. Finding a study-buddy and/or forming a study group are also strongly encouraged.

### 5.2 Written Assignment

**Worth: 15%**

Assignment is designed to help you apply the concepts covered in the lectures and assigned readings. **Detailed instructions will be posted on D2L and discussed in class.**

### 5.3 Grade Scale

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

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

**6. ASSIGNMENT SUBMISSION PROCEDURE** - Please read and follow carefully!

Assignment must be submitted online, via D2L, 11:59pm on the due date. Assignments must be typed and submitted as per assignment instructions.



The link to upload file will remain available for 7 days after the due date. **Assignments received past the due date will be penalized 5% per day, including weekends, to a maximum of 7 days after which time a student will automatically be given a grade of zero.**

Exception to the penalty for reasons of illness or on compassionate grounds may be granted if you provide the instructor with proper documentation **PRIOR** to the assignment deadline.

**HOW TO...**

- **Submit Assignment?**
  1. In the red navigation bar click **Assessment**, and select **Dropbox** from the drop menu.
  2. Click the assignment you want to submit (e.g., Assignment #1 - Primates).
  3. Click **Add a File**
  4. Click **Upload**. Select the assignment from your computer files. Click **Add**.
  5. Click **Submit**.
  
- **Name the file?**

Your file **MUST** contain the first 6 (or fewer) letters of your last name and the first 3 (or less) letters of your first name.

**Example:** Using the name Dejana Nikitovic: NikitoDej

**NOTE: Make sure your file name contains only letters, and is 9 characters or less.**
  
- **Format of the file**

File must be in .doc/.docx format.



All assignments **MUST** be submitted via D2L. Hard copies of assignments, or assignments sent via email will not be accepted.

**ALWAYS KEEP A BACKUP OF YOUR WORK as you are writing and after you submit your assignment!!!** Use a memory stick or some other device, Dropbox, Google doc, email, etc. Electronic “disappearance” of assignments is not a valid excuse for failing to submit work on time.

**7. EXAM POLICIES**

**7.1 Exams:** Students are expected to write the mid-term and final exams on the scheduled dates. You *are* strongly discouraged from deferring exams. A decision to differ and exam should only be made under truly exceptional circumstances.

**7.2 Absence and Requests for Extensions and Exemptions:** Missed exams will automatically receive a score of zero. If you miss an exam due to illness or other critical event, please contact

me **within 24 hours after missing the exam**, and documentation (e.g., a signed Physician's Statement) must be provided. 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 we can make other arrangements.

**7.3 Make-up Exams:** Make-up exams will be scheduled within a week after the exam. It can be in any format (e.g., oral examination). Please note that performance on make-up exams is normally poorer.

**7.4 Exam Grades:** Exam grades will be posted on D2L as quickly as possible. Exams are NOT returned to students. If you would like to look at your exam, please attend office hours. If you have concerns about the marking of your exam, please provide a detailed written statement within two weeks of when exam results are posted.

## **8. ACADEMIC ACCOMMODATIONS**

<http://www.ucalgary.ca/access/accommodations/policy>

Students needing an Accommodation because of a Disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities

Students needing an Accommodation based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to "(Instructor) (Associate Dean) (Department Head) (other designated person)"

**NOTE: If you are experiencing difficulties that may affect your performance in the course, please speak to me immediately! Together, we can work out a plan to help you complete your course work.**

## **9. ACADEMIC INTEGRITY**

Academic integrity is essential to the pursuit of learning and scholarship in a university, and to ensuring that a degree from the University of Calgary is a strong signal of each student's individual academic achievements. As a result, the University treats cases of cheating and plagiarism very seriously. 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>

Potential offenses include, but are not limited to:

*In Assignments:*

- Using someone else's ideas or words without appropriate acknowledgment.
- Submitting your own work in more than one course without the permission of the instructor.
- Making up sources or facts.
- Obtaining or providing unauthorized assistance on any assignment.



*On Exams:*

- Using or possessing unauthorized aids.
- Looking at someone else's answers during an exam.
- Misrepresenting your identity.

*In Academic Work:*

- Falsifying institutional documents or grades.
- Falsifying or altering any documentation required by the University, including (but not limited to) doctor's notes.

All suspected cases of academic dishonesty will be investigated following procedures outlined in the University Calendar. If you have questions or concerns about what constitutes appropriate academic behavior or appropriate research and citation methods, you are expected to seek out additional information on academic integrity from your instructor or from other institutional resources.

**10. TEACHING EVALUATIONS / USRI (Universal Student Ratings of Instruction)**

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/>

**11. 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.

**12. 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>

**13. Freedom of Information and Protection of Privacy Act: 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>

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 alternative arrangements with the course instructor early in the term.

**14. 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.

**15. Faculty of Arts Program Advising and Student Information Resources:** Have a question, but not sure where to start? Arts Students' Centre  
The Faculty of Arts Students' Centre is the overall headquarters for undergraduate programs in the Faculty of Arts. The key objective of this office is to connect students with whatever academic assistance that they require.

In addition to housing the Associate Dean, Undergraduate Programs and Student Affairs and the Associate Dean for Teaching and Learning, the Arts Students' Centre is the specific home to:

- program advising
- the Faculty's Co-operative Education Program
- the Arts and Science Honours Academy
- the Faculty's Interdisciplinary Programs
- a Student Help Desk

Location: Social Sciences Room 102

Phone: 403.220.3580

Email: [ascarts@ucalgary.ca](mailto:ascarts@ucalgary.ca)

Website: [arts.ucalgary.ca/undergraduate/](http://arts.ucalgary.ca/undergraduate/)

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.

Contacts 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

**12. LECTURE SCHEDULE**

Consult D2L regularly! Class schedule can change due to unforeseen circumstances.

<b>Week</b>	<b>Date</b>	<b>Topic &amp; Readings</b>
<b>WEEK 1</b>	Monday, January 9 <sup>th</sup> Wednesday, January 11 <sup>th</sup> Friday, January 13 <sup>th</sup>	Course Introduction Biological Anthropology - <b>Ch. 1</b> Development of Evolutionary Theory – <b>Ch. 2: 25-40</b>
<b>WEEK 2</b>	Monday, January 16 <sup>th</sup> Wednesday, January 18 <sup>th</sup> Friday, January 20 <sup>th</sup>	Charles Darwin – <b>Ch. 2: 40-47</b> Adaptation and Natural Selection
<b>WEEK 3</b>	Monday, January 23 <sup>rd</sup> Wednesday, January 25 <sup>th</sup> Friday, January 27 <sup>th</sup>	The Biological Basis of Human Evolution – <b>Ch. 3: 51-59</b> Mendel and Mechanisms of Inheritance – <b>Ch. 3: 59-67</b> Modern Synthesis – <b>Ch. 4: 71-76</b>
<b>WEEK 4</b>	Monday, January 30 <sup>th</sup> Wednesday, February 1 <sup>st</sup> Friday, February 3 <sup>rd</sup>	Species and Speciation – <b>Ch. 4: 76-88</b> Taxonomy and Phylogeny – <b>Ch. 4: 89-92</b> Concluding Remarks
<b>WEEK 5</b>	<b>Monday, February 6<sup>th</sup></b> Wednesday, February 8 <sup>th</sup> Friday, February 10 <sup>th</sup>	<b>MIDTERM #1</b> Introduction to Primates What does it mean to be a Primate? – <b>Ch. 5: 95-101</b>
<b>WEEK 6</b>	Monday, February 13 <sup>th</sup> Wednesday, February 15 <sup>th</sup> Friday, February 17 <sup>th</sup>	Primate Taxonomy – <b>Ch. 5: 101-117</b> Primate Ecology – <b>Ch. 6: 119-130</b> Mating and social systems – <b>Ch. 6: 130-136</b>
<b>WEEK 7</b>	<b>Reading Week – No lectures scheduled.</b>	
<b>WEEK 8</b>	Monday, February 27 <sup>th</sup> Wednesday, March 1 <sup>st</sup> Friday, March 3 <sup>rd</sup>	Primate cognition and intelligence – <b>Ch. 6: 136</b> Becoming fossil – <b>Ch. 7: 141-157</b>
<b>WEEK 9</b>	Monday, March 6 <sup>th</sup> Wednesday, March 8 <sup>th</sup> Friday, March 10 <sup>th</sup>	First Primates – <b>Ch. 7: 151-152</b> Fossil Primates – <b>Ch. 7: 153-163</b> Concluding remarks
<b>WEEK 10</b>	<b>Monday, March 13<sup>th</sup></b> Wednesday, March 15 <sup>th</sup> Friday, March 17 <sup>th</sup>	<b>MIDTERM #2</b> Introduction to Human Evolution Bipedalism – <b>Ch. 8</b>
<b>WEEK 11</b>	Monday, March 20 <sup>th</sup> Wednesday, March 22 <sup>nd</sup> Friday, March 24 <sup>th</sup>	The Earliest Hominins – <b>Ch. 9: 195-207</b> The <i>Australopithecines</i> – <b>Ch. 9: 208-221</b> The Genus <i>Homo</i> ( <i>H. habilis</i> ) – <b>Ch. 10: 225-232</b>
<b>WEEK 12</b>	Monday, March 27 <sup>th</sup> Wednesday, March 29 <sup>th</sup> Friday, March 31 <sup>st</sup>	The Genus <i>Homo</i> ( <i>H. erectus/ergaster</i> ) – <b>Ch. 10: 232-242</b> The Archaic Hominins – <b>Ch. 10 - 11: 243-256</b> Neanderthals – <b>Ch. 11: 256-272</b>
<b>WEEK 13</b>	Monday, April 3 <sup>rd</sup> Wednesday, April 5 <sup>th</sup> Friday, April 7 <sup>th</sup>	Neanderthals – <b>Ch. 11: 256-272</b> Anatomically Modern Humans – <b>Ch. 12</b>
<b>WEEK 14</b>	Monday, April 10 <sup>th</sup>	Modern Human Diversity – <b>Ch. 13</b> Concluding Remarks
<b>April 15<sup>th</sup> – 26<sup>st</sup></b>		<b>FINAL EXAM – to be scheduled by the Registrar</b>