ANT f301 BIOLOGICAL ANTHROPOLOGY
Unique number 78515
SUMMER 2020
First Session (June 4 - July 9)
M-T-W-Th-F 10-11:30am

Course Description and General Information

Instructor: Ingrid Lundeen, M.A.
Pronouns: She/her/hers
Contact: Canvas or at ILundeen@utexas.edu
Office Hours: 30 minutes following lecture, except on lab days. Please also feel free to make an appointment with me or email me with any questions or concerns.

Teaching Assistants:
Johanna Crespo Paez, M.A.
Pronouns: She/her/hers
Contact: Canvas or at johanna.paezc@utexas.edu
Office Hours: 11:30 AM- 1:30 PM Monday (Check Zoom for Links)

Domenic Romanello
Pronouns: He/him/his
Contact: Canvas or at romanello@utexas.edu
Office Hours: 8- 10 AM Tuesday (Check Zoom for Links)

Course Meeting: M.T.W.Th.F 10-11:30am
Online via Zoom – Check Canvas Calendar for links to course meetings

Course Description: This course is an introduction to the principles and methods of biological anthropology. Biological (sometimes called "physical") anthropology is a field which incorporates the study of human beings in their biological context and seeks to explain our relationship with other primates and to the rest of the natural world. This field explores questions like: What are we? How are we unique? How and why did we come to be the way we are given the natural world around us?

The study of biological anthropology is inherently interdisciplinary. Throughout the course, we will examine anatomical, behavioral, and genetic similarities and differences among living primates, learn the basic mechanisms of the evolutionary process, and trace the pathway of human evolution as reconstructed from the fossil record. The main goal of the course is to see humans and primates, broadly, as being in a natural world.

Lab exercises and assignments will be incorporated into class time and will be taught by the teaching assistant. These labs complement the lecture and enhance your experience with the subject material by conceptualizing the matter from a different perspective. You will have the opportunity to examine "hands-on", human and non-human skeletal material, as well as participate in discussions.

Laboratory Component: There is no separate lab section for this course. Labs will be incorporated into regular class time. See the lecture/lab schedule for more information.

Prerequisites: None.

Course learning objectives:

- Understand the broader role of nonhuman primates in forest ecosystems
- Understand the basics of primate and human evolutionary history
- Understand the basics of human variation

COURSE REQUIREMENTS

Required materials: Boyd & Silk. *How humans evolved*, 7th edition (or earlier).
I am purposefully *not* assigning the most recent edition of this textbook to keep cost down. If you buy an earlier edition, make sure to not rely on it when it comes to fossil hominin information as these sections are updated with each edition, rather use my lectures for this information. Please support local bookstores and buy used books if possible.

Required devices: Computer with internet, Canvas, and Zoom access and abilities. You must sign in to Zoom using the UTexas domain to have access to the class Zoom meetings.

Classroom expectations: I expect you to come to the Zoom lectures at our scheduled class time. Recorded lectures are for students who cannot attend a regularly scheduled lecture. You must contact me to let me know the reason that you do not attend lecture. Recorded lectures will be posted for students to use when studying for quizzes.

Assignments: You are responsible for taking quizzes on Canvas before or by their due date, attending lab and completing lab assignments, participating in weekly discussion posts, and submitting the final report.

Quizzes (50% of your course grade)
Canvas quizzes will be assigned periodically throughout the course and functionally replace exams, ensuring that students are keeping up with learning material as it is taught.

- 8 quizzes total, however the lowest grade is dropped
- Approximately 15 multiple choice questions
- 15 minutes to complete the quizzes
    - Your 15 minutes begins when you open the quiz on Canvas
    - You cannot leave the and come back to it at a different time
    - One attempt per quiz
- All quizzes are open book, open note, and open lecture, but are not to be taken collaboratively
- Quizzes are due at 11:59pm (CST) on their due date (listed below in the schedule)

Labs (25% of your course grade)
The Lab component of this course serves to help you apply what you are learning in class to biological data (i.e. skeletal models or simulations) and make inferences about processes or patterns based on your observations.

- 5 lab meetings throughout the course
- Take place over Zoom at our regularly scheduled class time
- Attend the Zoom lab lecture, participate in discussion, and complete the lab assignment using online materials provided
- The TA will break the class into lab groups to work collaboratively on the assignments
- Lab exercises are due at 11:59pm (CST) on their due date (listed below in the schedule)

Discussion posts (10% of your course grade)
Discussion prompts will be posted on canvas and are meant to keep you engaged in the course material and facilitate interaction and collaboration with your classmates.

- Each week (Monday morning) a new discussion topic will be posted on Canvas
- Submit a short comment/contribution (100 to 200 words) to the discussion once per topic before the deadline, after which the discussion post closes. Don't be late!
- Due by 11:59pm (CST) each Friday

Final report (15% of your course grade)
You must find an example of biological anthropology in the news, media, or in popular culture and analyze it in the context of what we have discussed in this course.

- To get full credit you must address: 1) which biological anthropology frameworks are represented and 2) how accurately/inaccurately they are being portrayed based on what you learned in the class
- Examples of this would be finding news coverage of behavior of monkeys that live around the Taj Mahal, eugenics in the news, a popular media description of a hominin discovery, a movie or book you have read (i.e., *Planet of the Apes*), etc.
    - Feel free to email the instructor or your TA with questions or ideas about topics
- Write and submit a 3-page paper (double spaced, 12-point font)
- Due on Canvas by 5pm (CST) on the last day of class (July 9th)

Grading: Grades are based on the following, and letter grades will be assigned using the +/- grading system. (UT does not offer A+). Grades are rounded up on if 0.5 or above.
A (93 to 100), A- (90 to <93), B+ (87 to <90), B (83 to <87), B- (80 to <83), C+ (77 to <80), C (73 to <77), C- (70 to <73), D+ (67 to <70), D (63 to <67), D- (60 to <63), and F (<60).

Quizzes – 50%
Lab assignments – 25%
Weekly Discussion posts - 10%
Final report – 15%

COURSE SCHEDULE
Canvas homepage: All instructions, assignments, readings, rubrics and essential information will be on the Canvas website at https://utexas.instructure.com. Check this site regularly and use it to ask questions about the course schedule.

- Please be sure you TURN ON CANVAS NOTIFICATIONS FOR THIS COURSE to ensure you don't miss announcements and assignments.

Changes to the schedule may be made at my discretion and if circumstances require. It is your responsibility to note these changes when announced (although I will do my best to ensure that you receive the changes with as much advanced notice as possible).

COURSE SCHEDULE

	Date	Day	Topic	Readings	Assignments
Lecture 1	6/4	Thu	Introduction	Syllabus	**Quiz 1** (About You)
Lab 1	6/5	Fri	Skeletal Anatomy		Lab 1 due 6/8
Lecture 2	6/8	Mon	What is a primate?	Boyd & Silk xix-xxii, 109-114, 117	
Lecture 3	6/9	Tue	Reconstructing evolutionary relationships	Boyd & Silk 101-103; Marks "Molecular Anthropology"	**Quiz 2** (Lec 1-2, Lab 1)
Lab 2	6/10	Wed	Cladistics and Phylogenies		Lab 2 due 6/12
Lecture 4	6/11	Thu	Paleontology and intro to fossil primates		
Lecture 5	6/12	Fri	Early primate evolution	Boyd & Silk Ch.9	
Lecture 6	6/15	Mon	Early hominins	Boyd & Silk 237-256, Shreeve "Sunset on the savanna"	**Quiz 3** (Lec 3-5, Lab 2)
Lecture 7	6/16	Tue	Australopithecines	Boyd & Silk 256-264	
Lab 3	6/17	Wed	Australopithecines		Lab 3 due 6/19
Lecture 8	6/18	Thu	Genus *Homo* evolution I	Boyd & Silk Ch.11; Gibbons "The evolution of diet"	**Quiz 4** (Lec 6-7, Lab 3)
Lecture 9	6/19	Fri	Genus *Homo* evolution II	Boyd & Silk Ch.12	
Lab 4	6/22	Mon	Genus *Homo*		Lab 4 due 6/25
Lecture 10	6/23	Tues	*Homo sapiens*	Boyd & Silk Ch.13; Gibbons "A new view on the birth of *Homo sapiens*"	
Lecture 11	6/24	Wed	Biology of sex	Ainsworth "Sex Redefined"	**Quiz 5** (Lec 8-10, Lab 4

Lecture 12	6/25	Thu	Human variation and adaptation	Boyd & Silk Ch.14; Jablonski and Chaplin "Skin Deep"	
Lecture 13	6/26	Fri	Microevolution	Boyd & Silk Ch.2 – 3	
Lab 5	6/29	Mon	Genetics	Boyd & Silk Ch.1; Grant "Natural selection and Darwin's Finches"	**Quiz 6** (Lec 11-13) Lab 5 due 7/1
Lecture 14	6/30	Tue	Macroevolution, speciation, phylogeny, cladistics	Boyd & Silk Ch.4	
Lecture 15	7/1	Wed	Primate diversity and taxonomy	Boyd & Silk 117-125	
Lecture 16	7/2	Thu	Primate feeding & locomotor adaptations	Boyd & Silk 115-116, 126-136; Gebo "Primate locomotion"	**Quiz 7** (Lecture 14-16, Lab 5)
Lab 6	7/3	Fri	Primate Behavior	Lab Reading	Lab 6 due 7/6
Lecture 17	7/6	Mon	Primate social behavior	Boyd & Silk 136-141 + Ch.6; Smuts "What are friends for?"	
Lecture 18	7/7	Tue	Conservation	Estrada "Why Primates Matter"	
Lecture 19	7/8	Wed	Relevance of biological anthropology		**Quiz 8** (Lecture 17-18, Lab 6)
Final Day	7/9	Thu	Open office hours		Final report due 5pm CST

COURSE POLICIES

Although we will have a digital Zoom classroom, we expect you to uphold the same policies as you would in an in-person classroom. The following policies provide clear guidelines on issues that students may face throughout the course. Please read all the information carefully.

Make-ups: There will be no make-up quizzes or labs. Exceptions will be made only 1) with proof of emergency or illness, 2) due to observance of a religious holiday, or 3) due to military service.

Illness or emergency: If you miss an exam or lab due to illness or emergency, contact the instructor or TA as soon as possible. You will not be given a make-up unless you can provide

documentation regarding the reason for your absence. We are ready and willing to make accommodations – just contact us!

Important note regarding summer courses: Summer is often a busy time on your social calendar, but you have committed to take a course that meets every day for just over a month. We will cover material rapidly and will test you on it (via quizzes) frequently, and if you miss classes, your grade will likely suffer. We will not provide alternative quizzes or labs for students who have personal travel/vacation plans or commitments (e.g. weddings, family reunions, etc.), however unlikely those are this summer.

Late assignments: Late lab assignments will cost you 10 percentage points per day. This could change your grade dramatically so ensure you turn your labs in by the deadline.

Religious holidays: By UT Austin policy, you must notify me of your pending absence at least fourteen (14) days prior to the date of observance of a religious holy day. If you must miss a class, an examination, a work assignment, or a project in order to observe a religious holy day, you will be given an opportunity to complete the missed work within a reasonable time after the absence.

Absence for military service: In accordance with section 51.9111 of the Texas Education Code, a student is excused from attending classes or engaging in other required activities, including exams, if he or she is called to active military service of a reasonably brief duration. [The maximum time for which the student may be excused has been defined by the Texas Higher Education Coordinating Board as "no more than 25 percent of the total number of class meetings or the contact hour equivalent (not including the final examination period) for the specific course or courses in which the student is currently enrolled at the beginning of the period of active military service."] The student will be allowed a reasonable time after the absence to complete assignments and take exams.

Students with disabilities: Any student with a documented disability who requires academic accommodations should contact Services for Students with Disabilities (http://diversity.utexas.edu/disability/), at ssd@austin.utexas.edu, 512-471-6259 (voice) or 512-410-6644 (Video Phone) as soon as possible to request an official letter outlining authorized accommodations. ***Please inform me as soon as possible if you need accommodations.***

Attendance: Although this is not an in-person class, you are expected to be present in the Zoom classroom each day and keep up with all the course content. This applies to the content of the class, handouts, and announcements about class policies, events, deadlines, etc. It is easy to miss pertinent information if you are absent from class. There may be students who are dealing with family or personal health emergencies during this unusual summer and this course is designed to be accessible even to those who have to miss class for extraordinary circumstances. If you are not one of these students, you are expected in class each day.

Grades: The grade you are given, is your grade unless an error has been made. If you think an error has been made, let me know within one week of receiving the assignment or quiz grade.

Extra credit: I do not offer "extra credit" opportunities. If you are struggling in the course, please come for help *during* the semester when there is still time for me to help you. Make an appointment with me as soon as possible. Do not wait until the course is over and ask me to change your grade because you are trying to graduate, or you have had a tough time with your personal life this semester. By then, it is too late for me to help you.

Honor Code: Each student in this course is expected to abide by the University of Texas Honor Code.: *The core values of The University of Texas at Austin are learning, discovery, freedom, leadership, individual opportunity, and responsibility. Each member of the university is expected to uphold these values through integrity, honesty, trust, fairness, and respect toward peers and community.*

Scholastic Dishonesty Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from The University. Scholastic dishonesty" includes, but is not limited to, cheating, plagiarism, collusion, falsifying academic records, misrepresenting facts, and any act designed to give unfair academic advantage to the student (such as, but not limited to, submission of essentially the same written assignment for two courses without the prior permission of the instructor), or the attempt to commit such an act.

For a tutorial and information on plagiarism, see
http://www.lib.utexas.edu/services/instruction/learningmodules/plagiarism/

Also, see http://deanofstudents.utexas.edu/sjs/scholdis.php

Special note on use of social media: If students create any social media group to communicate about the course, the instructor and teaching assistant must be provided access. Communication about content/answers to lab homework, assignments, or course quizzes (whether verbally or via electronic communications) will be considered cheating and students involved will be subject to disciplinary action.