

ANT3514C - Introduction to Biological Anthropology

Department of Anthropology, University of Florida

Fall 2020

Instructor: Prof. John Krigbaum
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Office Hours: Wednesdays 1:00-3:00; Thursdays 12:00-2:00 and by appointment
Email: krigbaum@ufl.edu * Best to Communicate with Instructor in CANVAS *

Lectures: Synchronous: Tuesdays 2nd-3rd (8:30-10:25) and Thursdays 3rd (9:35-10:25)
Class Number: 10536, 10546, 10547, 10548, 10549, 10550
Lab Class Periods: 5th period (10:40-11:30), 6th period (11:45-12:35), 7th period (12:50-1:40)
Lab Schedule: Synchronous: Tuesdays 6th (10536) and Thursdays 7th (10546)
Synchronous: Wednesdays 6th (10547) and Wednesdays 7th (10548)
Synchronous: Tuesdays 5th (10549) and Thursday 7th (10550)
Assessments: Quizzes and Exams will be Asynchronous

Teaching Assistants * Best to Communicate with TAs in CANVAS *

Grace Calhoun (10547, 10548, 10550)

Lab Sections: Wednesday 6th and 7th and Thursday 7th

Office Hours: Tuesdays 2:00-5:00

Edward Quinn (10536, 10546, 10549)

Lab Sections: Tuesday 6th and 7th and Thursday 5th

Office Hours: Mondays 1:00-4:00

Course Description

Anthropology is a holistic discipline. As such, anthropologists attempt to view humans, their activities, and their cultural and biological history in as broad a context as possible.

Anthropology is divided into a number of subfields, of which biological anthropology (= physical anthropology) is the subject of this course. Its goal is to understand the biological nature and history of humankind and their living (= extant) relatives. Biological anthropology is firmly rooted in evolutionary theory and thus evolutionary biology is a central tenet of this course. Basic concepts of genetics, geology, paleontology, comparative anatomy, primate biology, and material culture provide the foundation for understanding humanity's place in nature.

ANT 3514C is a four credit General Education Biological Sciences ('B') course that also satisfies the CLAS Science Laboratory Requirement. This 'core' course is required of all Anthropology majors. A minimum grade of C is required for General Education credit.

ANT3514C meets the General Education Objectives for Biological Sciences (B)

Biological science courses provide instruction in the basic concepts, theories and terms of the scientific method in the context of the life sciences. Courses focus on major scientific developments and their impacts on society, science and the environment, and the relevant processes that govern biological systems. Students will formulate empirically-testable hypotheses derived from the study of living things, apply logical reasoning skills through scientific criticism and argument, and apply techniques of discovery and critical thinking to evaluate outcomes of experiments.

In this course, students will be assessed for General Education Biological Sciences Student Learning Outcomes (SLOs) in three areas: Content, Critical Thinking, and Communication

Content SLOs:

Identify, describe, and explain the basic concepts, theories and terminology of natural science and the scientific method; the major scientific discoveries and the impacts on society and the environment; and the relevant processes that govern biological and physical systems.

- At the end of this course students will be able to identify, describe, explain, and apply factual, conceptual, and procedural knowledge in the scientific method as applied to biological anthropology and related disciplines. Achievement of this learning outcome will be assessed through in-class and online quizzes, three in-class exams, eleven graded lab-based reports, and two lab-based practical exams.

Critical Thinking SLOs:

Formulate empirically-testable hypotheses derived from the study of physical processes or living things; apply logical reasoning skills effectively through scientific criticism and argument; and apply techniques of discovery and critical thinking effectively to solve scientific problems and to evaluate outcomes.

- Through class-based lecture, lab-based exercises and problem sets, and assigned reading, students will apply the scientific approach to investigate human variation in its biological, social and cultural dimensions. Students will also integrate different sources and types of knowledge into holistic perspectives about human variation. Finally, students will evaluate the significance, quality and veracity of information and apply it effectively to solve problems.

Communication SLOs:

Communicate scientific knowledge, thoughts, and reasoning clearly and effectively.

- In lab, students must synthesize and write cogent answers to questions posed about materials covered in weekly meetings. Each week, lab-based reports will be submitted and evaluated for content and clarity.

Course Materials:

Required text: Jurmain R, Kilgore L, Trevathan W, Ciochon RL, and Bartelink, EJ (2018) *Introduction to Physical Anthropology*, 15th edition. Cengage Learning. (The 2013-2014 edition of this book is out of date and not recommended)

Website: This course is administered through e-learning in Canvas (<http://ufl.instructure.com>). Access is provided for the syllabus, lab worksheets, supplemental materials/readings, quizzes, and grades.

Communication: You are encouraged to contact Dr. Krigbaum and/or the teaching assistants with any questions or concerns about the course. Please use Canvas to communicate with the Instructor and Teaching Assistants and please utilize our office hours. Email is always an option communicate with the Instructor to (krigbaum@ufl.edu).

Grading: Grades are based on three online exams (60%), five of six online quizzes (10%), and laboratory performance on reports and Practical Exams (30%).

300 pts	Exams (3)
50 pts	Quizzes (6) <i>(lowest quiz dropped)</i>
100 pts	Lab Reports (10)
50 pts	Lab Practicals (2)
500 pts	Total

Grade Points to Letter Conversion Chart					
A	500-465	B-	414.5-400	D+	349.5-335
A-	464.9-450	C+	399.5-385	D	334.5-315
B+	449.9-435	C	384.5-365	D-	314.5-300
B	434.9-415	C-	364.5-350	E	299.5-0

Exams are non-cumulative, objective exams administered asynchronously and designed to test vocabulary, concepts, and associations relevant to biological anthropology. **Online quizzes** are timed and available in Canvas on Fridays by 5:00pm and will remain available until the start of the following Tuesday lecture (8:30am). **Lab reports** feature questions and exercises intended to guide students through activities provided in the biological anthropology lab. Students are expected to have accessible a copy of the lab from the Canvas site; failure to be prepared for lab may result in missed lab points. Typically, students will be required to complete the lab and upload it to the TA one week after the lab meets. **Lab practicals** are formal exams based on lab materials that focus on testing key concepts, problems, and critical thinking skills.

There are no opportunities for making up missed lab assignments or exams except for reasons of medical or family emergency (documentation is required, per University requirements). Such work missed may be made up by arrangement with the Teaching Assistant for your section.

Class and Lab Attendance:

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>. Attendance at weekly laboratory sections is mandatory and you must attend the section for which you are registered to receive credit. Neither the Instructor nor Teaching Assistants will distribute laboratory notes outside of class. Attendance in lectures is required, but the Instructor will provide a pdf of lecture slides and a zoom link to the lecture.

Class Lecture Recording:

Our class sessions may be audio-visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have

your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voice recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials by students or any other party is prohibited.

Weekly Course Schedule:

Date		Lectures ¹	Reading	Labs ¹	Assessment
Sept.	1	Introduction	3-19	*No Labs*	
	3	Science and the Scientific Method	19-33		
	8	Natural Selection	33-47	Lab 1: Classification	Quiz 1
	10	Genetics	49-78		
	15	Heredity	81-98	Lab 2: Heredity	
	17	The Modern Synthesis	98-110		
	22	Tree of Life	113-140	Lab 3: Microevolution	Quiz 2
	24	The Human Skeleton	507-519		
	29	The Primate Order	143-157	Lab 4: Human Osteology	
Oct.	1	Review			
	6	Modern Primate Diversity	157-160	Lab 5: Primate Anatomy	
	8	Anthropoids	160-182		
	13	Primate Behavior	185-211	Lab 6: Primate Morphology	Quiz 3
	15	Primate Culture	211-223		
	20	Primate Origins	225-237	Lab Practical EXAM	Practical 1
	22	Early Anthropoids	237-245		
	27	Later Anthropoids	245-261	Lab 7: Fossil Primates	Quiz 4
	29	Paleoanthropology	263-284		
Nov.	3	Early Hominins	287-297	Lab 8: The Australopiths	
	5	Review			
	10	Australopiths	297-309	Lab 9: The Genus <i>Homo</i>	
	12	Early <i>Homo</i>	310-327		
	17	<i>Homo erectus</i>	327-345	Lab 10: Human Variation	Quiz 5
	19	Premodern Humans	346-380		
	24	Modern Humans	382-458	*No Labs* Thanksgiving Holiday	
	26	*No Class*			
Dec.	1	Bioarchaeology and Forensics	458-464	Lab Practical Exam	Practical 2
	3	The Biocultural Approach	467-489		
	8	The Human Condition	491-506	*No Labs*	EXAM 3

1. Lectures/Labs are presented via Zoom links for that day/time (see Zoom Conferences in Canvas)

University Policy on Accommodating Students with Disabilities:

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting <https://disability.ufl.edu/students/get-started/>. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

University Policy on Academic Misconduct:

Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the UF Student Honor Code at <http://www.dso.ufl.edu/students.php>.

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (sccr.dso.ufl.edu/process/student-conduct-code/) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

Cheating and plagiarism, intentional or otherwise, during the course will not be tolerated and disciplinary action will follow university policy as outlined by the UF Dean of Students

Course Evaluation:

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

Materials and Supplies Fees: N/A

Campus Resources:

Health and Wellness U Matter, We Care: If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit umatter.ufl.edu/ to refer or report a concern and a team member will reach out to the student in distress. **Counseling and Wellness Center:** Visit <https://counseling.ufl.edu/> or call 352-392-1575 for information on crisis services as well as non-crisis services. **Student Health Care Center:** Call 352-392-1161 for 24/7 information to help you find the care you need, or visit shcc.ufl.edu/. **University Police Department:** Visit police.ufl.edu/ or call 352-392-1111 (or 9-1-1 for emergencies). **UF Health Shands Emergency Room / Trauma Center:** For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; ufhealth.org/emergency-room-trauma-center.