

Introduction to Biological Anthropology (ANT3514C)

Syllabus – Spring 2022

Lectures: Tuesday 7th period and Thursday 7-8th period in FAB 0105

Laboratories: Monday 3rd (0316), 4th (0319), or 5th (0322) period
Wednesday 3rd (0327) or 4th (0328) period
Thursday 5th (0329) period

Instructor: **Dr. Valerie Burke DeLeon**
Department of Anthropology
University of Florida
352-294-7602

Email: vdeleon@ufl.edu * Best to Communicate with Instructor in CANVAS *

Office hours: TUR B374; Thursday 9:30-11:30am and by appointment

Teaching Assistants: * Best to Communicate with TAs in CANVAS *

Grace Calhoun
lab sections: Wednesday (0327, 0328), Thursday (0329)
office hours: TBD

Caitlynn Filla
lab sections: Monday (0316, 0319, 0322)
office hours: Zoom (link on Canvas); Tuesday 9:00am-12:00pm

Course Description: Anthropology is the holistic study of the human condition. Biological anthropology is a subfield of the larger discipline that studies humankind as a zoological species. As biological anthropology is firmly rooted in evolutionary theory, the evolutionary biology of humans is the central focus of the 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.

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

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

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, Introduction to Physical Anthropology, 15th edition (2017), Cengage Learning. **Note:** Digital and/or paper copies of the textbook are acceptable.

Socrative: We will use an audience participation program to go over review questions in class. You can access the FREE student version on a browser (socrative.com) or by downloading the app (Socrative Student). Our classroom code is JGR0FKKB. There is one practice question posted to try it out in advance.

Website: This course is administered through e-learning in Canvas (<http://ufl.instructure.com>). The syllabus, lab worksheets, supplemental materials, quizzes and your grades are all accessed here.

Communication: You are encouraged to contact Dr. DeLeon and/or the teaching assistants with any questions or concerns about the course. Canvas is the best way to send emails to Dr. DeLeon or the teaching assistants. If you email Dr. DeLeon directly, please be sure to include “ANT3514C Introduction to Biological Anthropology” in the subject line.

Grading: Grades are based on three (3) online exams (60%), five (5) online quizzes (10%), and laboratory performance (30%).

300 pts	Exams (3)	Grade Points to Letter Conversion Chart:					
50 pts	Online Quizzes (5)	A	500-465	B-	414.5-400	D+	349.5-335
100 pts	Lab Reports (10)	A-	464.9-450	C+	399.5-385	D	334.5-315
50 pts	Lab Practicals (2)	B+	449.9-435	C	384.5-365	D-	314.5-300
500 pts	Total Points	B	434.9-415	C-	364.5-350	E	299.5-0.0

Exams are non-cumulative, objective exams administered in lecture and designed to test vocabulary, concepts, and associations relevant to biological anthropology. **Online quizzes** are available in Canvas after Thursday’s lecture and will remain available until the start of the following Tuesday lecture. Upon beginning a quiz, you will have 50 minutes to complete it. **Lab reports** feature questions intended to guide students through hands-on activities in the biological anthropology lab. Some labs will contain additional work to be performed outside of class. Students are expected to print a copy of the lab from the Canvas site and bring it to lab each week; failure to do so may result in missed lab points. Students will be required to complete the lab and return it to the TA one week after the lab activity. **Lab practicals** are hands-on exams focused on testing your identification skills. Students will move through the exams in timed rotations. These are taken during your lab periods as indicated in the schedule.

Make-up exams, lab activities, and lab practicals will be allowed under extraordinary circumstances, including excused absences documented through the Dean of Students Office (<http://www.dso.ufl.edu>). Exams may not be retaken. Late online quizzes will be accepted on request for reduced credit.

Attendance: Attendance in 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 lab notes outside of class. Attendance in lectures is recommended. Video recording of lectures in any form is not permitted; audio recording is allowed only with prior permission of the instructor. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

University Policy on Accommodating Students with Disabilities: Students requesting accommodation for disabilities must first register with the Dean of Students Office (<http://www.dso.ufl.edu/drc/>). The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. You must submit this documentation prior to submitting assignments or taking the quizzes or exams. Accommodations are not retroactive; therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations.

University Policy on Academic Misconduct: UF students are bound by The Honor Pledge which states, “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.

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/>.

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

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 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.

Course Schedule:

Date	Lecture	Readings	Lab	Assessment
Jan 6	Introduction	3-19	No Labs	
11	The scientific method	19-33	Lab 1: Classification	
13	Darwin and natural selection	33-47		
18	Genetics	49-78	No Labs (MLK Holiday)	Online Quiz 1
20	Heredity	81-98		
25	Microevolution	98-110	Lab 2: Heredity	
27	The tree of life	113-140		
Feb 1	The human body **	507-517	Lab 3: Microevolution	Online Quiz 2
3	Comparative primate anatomy	143-155		
8	EXAM 1	none	Lab 4: Osteology	EXAM 1
10	Primate diversity	155-160		
15	Anthropoids	160-182	Lab 5: Primate Anatomy	
17	Primate behavior	185-193		
22	Communication and culture	194-223	Lab 6: Primate Function	Online Quiz 3
24	Primate origins	225-237		
Mar 1	Early anthropoids	237-261	Lab Practical 1	Lab Practical 1
3	Paleoanthropology	263-284		
8	SPRING BREAK	none	No Labs	
10				
15	EXAM 2	none	Lab 7: Primate Evolution	EXAM 2
17	Australopithecines	287-310		
22	Early <i>Homo</i>	310-327	Lab 8: Australopiths	
24	<i>Homo erectus</i> **	327-345		
29	Premodern humans	347-379	Lab 9: Genus <i>Homo</i>	Online Quiz 4
31	Modern <i>Homo</i> **	383-409		
5	Modern human variation **	411-430	Lab 10: Human variation	
7	Human biology	430-458		
Apr 12	Forensic anthropology	458-463	Lab Practical 2	Online Quiz 5
14	Life history	467-488		Lab Practical 2
19	EXAM 3	none	No Labs	EXAM 3
	Spring classes end Wed, Apr 20			

** Guest lectures