

Introduction to Biological Anthropology

ANT 3514C

Tuesday 2nd and Thursday 2-3rd periods

101 Little Hall

Instructor: Dr. John Krigbaum
1350A Turlington Hall
tel: (352) 294-7540
email: krigbaum@ufl.edu (* best contact method *)
office hours: Thursdays 10:30-12:30pm and by appointment
(UGC Advising: Tuesdays 10:30-12:30pm and Wednesdays 1:00-3:00pm)

Lectures: 0101 Little Hall
Tuesdays - Period 2 (8:30-9:20am), Thursdays - Periods 3-4 (8:30-10:25am)

Labs: By assigned section, labs are one period each week, beginning THIS WEEK.
B304 Turlington Hall Basement (Labs)

Teaching Assistants: B307 Turlington Hall. tel: (352) 294-7543

Raphaela Meloro (Sections 0301, 0303, 0304)
office hours: T 1:55-2:45pm, W 10:40-11:30am, R 12:50-1:40pm
Molly Selba (Sections: 0299, 0300, 7352)
office hours: T 9:35-10:25am, 12:50-1:40pm. R 10:40-11:30am

Website: Aspects of this course are administered via Canvas at elearning.ufl.edu (login: <https://ufl.instructure.com/>). Students are responsible for all announcements made in class and/or posted on the course website.

Contact: Using mail in Canvas is the preferred option to communicate with Instructor and Teaching Assistants.

Course Objectives

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. Such a vast field is divided into a number of subfields, of which biological anthropology (= physical anthropology) will be introduced to you in 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. The evolutionary biology of humans is thus the central focus of the course. We will cover many topics pertaining to the group of mammals that humans belong, the Order Primates. Basic concepts of genetics, geology, paleontology, comparative anatomy, primate biology, ecology, and material culture provide the foundation for understanding humanity's place in nature.

General Education Program and Student Learning Outcomes

Introduction to Biological Anthropology is a biological sciences 'B' subject area course in the UF General Education Program. 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.

These general education objectives will be accomplished through:

At the end of this course, students will be expected to have achieved the following learning outcomes in content, communication and critical thinking (Student Learning Outcomes or more commonly referred to as 'SLOs').

Content: Students demonstrate competence in the terminology, concepts, theories and methodologies used within the discipline.

Students will be able to identify, describe, explain, and apply factual, conceptual, and procedural knowledge in biological anthropology. Achievement of this learning outcome will be assessed through in class and online quizzes, three in class exams and graded lab-based reports.

Communication: Students communicate knowledge, ideas and reasoning clearly and effectively in written and oral forms appropriate to the discipline.

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.

Critical Thinking: Students analyze information carefully and logically from multiple perspectives, using discipline-specific methods, and develop reasoned solutions to problems.

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.

Grading: ALL material covered in this course in lecture and in lab is fair game for in-class exams. **TAKE GOOD NOTES.**

- In Class Exams (N=3) 60% (300 points)(100 points each)
- On-Line Quizzes (N=6) 5% (25 points) (5 points each, lowest dropped)
- In Class 'Pop' Quizzes (N=6) 3% (15 points) (6 'pop' quizzes, lowest dropped)
- Lab Reports (N=12) 32% (160 points) (participation, assignments, 2 Exams)

Grades are determined out of 500 points. There will be no organized review sessions prior to in-class exams, however, the TAs are invaluable resources for individual and/or group review of course material during their office hours. Exams will include objective questions

(matching, multiple choice, true/false), and may include some problems to solve (no calculators required). Exams will not be comprehensive. On-line quizzes are scheduled to keep you “on top” of the material prior to in-class exams. There will be one “extra credit” opportunity in addition to lab assignments that the TA’s will assign and grade. Awarded extra credit points (maximum of 20) will be added to the in-class point tally (350 points) only.

Grading Scale:



Points	Percent	Grade
500-465	100-93	A
464.9-450	92.9-90	A-
449.9-435	89.9-87	B+
434.9-415	86.9-83	B+
414.9-400	82.9-80	B-
399.9-385	79.9-77	C+
384.9-365	76.9-73	C
364.9-350	72.9-70	C-
349.9-335	69.9-67	D+
334.9-315	66.9-63	D
314.9-300	62.9-60	D-
299.9-0	59.9-0	E

REQUIRED Textbook:

Jurmain, R., Kilgore, L., Trevathan, W., Ciochon, R.L., and Bartolink, E. 2017.
Introduction to Physical Anthropology, 2017 Edition. Belmont, CA: Wadsworth.
 On-line resources and readings will also be made available each week via Canvas.

Class Attendance and Make-Up Policy

- 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>.
- Students are responsible for *all* material covered in lecture and lab.
- Each unexcused lab absence will have a major repercussion on your grade and potential points earned for the required lab report (at the TA’s discretion).
- There will be 6 ‘pop’ quizzes (3 points each) in class and the lowest quiz will be dropped. ‘Pop’ quizzes will not be excused if missed—please do not ask.
- Make-up exams/labs will not be scheduled unless demonstrated illness, serious emergency, or major scheduling conflict with proof provided to the Instructor. An official letter, following university procedures, is expected prior to the event so that a make-up exam/lab can be arranged.

Materials and Supplies Fees

There is a \$19.28 fee to cover costs and upkeep of casts and consumables in lab-based instruction.

Student Conduct

- Students should behave in accordance to the University of Florida's policy on student conduct
- NO PHOTOGRAPHY/RECORDING OF ANY KIND DURING LECTURE (without permission)
- PLEASE TURN OFF CELL PHONES IN CLASS (i.e., minimize texting).
- LAPTOPS ARE FOR NOTETAKING ONLY. PLEASE DO NOT FACEBOOK/EMAIL.

University Honesty Policy

All students must comply with the University of Florida's Student Honor Code (<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>):

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 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 the TAs in this class.

Accommodation

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodations. Students with disabilities should follow this procedure as early as possible in the semester.

Ideally, student accommodation should be communicated to the Instructor within the first two weeks of class (i.e, before the end of the month). The Disability Resource Center is located in Reid Hall, Room 001. For more information, please refer to the following link: <http://www.dso.ufl.edu/drc/>.

Counseling and Wellness Center

Students experiencing personal problems that are interfering with their academic performance are encouraged to contact the Counseling and Wellness Center: <http://www.counseling.ufl.edu/cwc/Default.aspx>, tel. (352) 392-1575; the Crisis and Emergency Resource Center, 4th floor of Peabody Hall, tel. (352) 392-1576; and the University Police Department: tel. (352) 392-1111 or dial 911 for emergencies.

Online Course Evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be notified of specific times when evaluations become available. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

Date	Lecture	Reading	Lab	Assessment
		Additional resources via Canvas, by week	Check 'Labs' folder and print each week	In Class Exams. On-line quizzes from Friday 5pm to Tuesday 8:30am
I. Introduction				
T 22-Aug	Introduction	1:2-19	LAB 1	
R 24-Aug	Scientific Inquiry	1:19-23; 2:24-29	Science	
II. Evolutionary Basics				
T 29-Aug	Darwin and Natural Selection	2:29-47	LAB 2	
R 31-Aug	Biological Basis of Life	3:48-78	Mendelian Heredity	on-line Quiz 1
III. Genetics				
T 5-Sep	Mendelian Inheritance	4:80-94	LAB 3	
R 7-Sep	Non-Mendelian Inheritance	4:94-110; 14:418-431	Forces of Evolution	
IV. Macroevolution				
T 12-Sep	Processes of Evolution	5:112-128	LAB 4	
R 14-Sep	Humans and the Tree of Life	14:410-418	Human Osteology	on-line Quiz 2
V. EXAM I / The Primates				
T 19-Sep	Exam I (in class)		LAB 5	EXAM I
R 21-Sep	The Primate Order	6:142-182	Primate Anatomy and Taxonomy	
VI. More Primates				
T 26-Sep	Primate Behavior	7:184-223	LAB 6	
R 28-Sep	Primate Conservation		Primate Functional Morphology	
VII. Paleontology				
T 3-Oct	Fossils and Geological Context	5:128-134; 9:262-276	LAB EXAM	
R 5-Oct	A Brief History of Life & Primate Origins	5:134-140; 8:224-230	Practical Exam I	on-line Quiz 3

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		Additional resources via Canvas, by week	Check 'Labs' folder and print each week	In Class Exams. On-line quizzes from Friday 5pm to Tuesday 8:30am
VIII. Primate Evolution				
T 10-Oct	Primates of Modern Aspect	8:231-245	LAB 7	
R 12-Oct	Miocene Primates	8:245-261	Primate Evolution	
IX. Hominoids & Hominids				
T 17-Oct	Bipedalism Basics	9:276-284; 10:286-293	LAB 8	
R 19-Oct	Hominids and Hominins	8:237-253; 10:293-297	Bipedalism and the Australopiths	on-line Quiz 4
X. EXAM II / Hominins				
T 24-Oct	Exam II (in class)		LAB 9	EXAM II
R 26-Oct	Australopiths and Early <i>Homo</i>	10:297-316	Evolution of the Genus <i>Homo</i> , Part I	
XI. Australopiths and early <i>Homo</i>				
T 31-Oct	<i>Homo erectus</i>	11:318-328	LAB10	
R 2-Nov	Out of Africa I	11:328-345	Evolution of the Genus <i>Homo</i> , Part II	on-line Quiz 5
XII. Out of Africa				
T 7-Nov	Premodern Humans	12:346-358	LAB 11	
R 9-Nov	Neanderthals and Denisovans	12:358-372	<i>Homo sapiens</i>	

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		Additional resources via Canvas, by week	Check 'Labs' folder and print each week	In Class Exams. On-line quizzes from Friday 5pm to Tuesday 8:30am
XIII. <i>Homo sapiens</i>				
T	14-Nov	Genetics of Premodern Humans	12:372-380	
R	16-Nov	Modern Human Dispersals	13:382-409	on-line Quiz 6
XIV. Bioarchaeology and Life History				
T	21-Nov	Biocultural Evolution and Adaptation	14:431-434; 15:436-458	** NO LABS **
R	23-Nov	NO CLASS - Thanksgiving		
XIV. Modern Human Biology				
T	28-Nov	Bioarchaeology and Forensics	14:434-435; 15:458-464	LAB EXAM
R	30-Nov	Life History and the Human Condition	16:466-489; 17:490-506	Practical Exam II
XV. EXAM III				
T	5-Dec	Exam III (in class)	** NO LABS **	EXAM III