

## ANT 4586 Human Evolution

**Details:** Tue Period 3 (9:35 -10:25am) ONLINE  
Thu Periods 3-4 (9:35 -11:30am) ONLINE

**Professor:** **Dr. Stephanie Bogart**  
**Office:** B137 Turlington Hall  
Email: [sbogart@ufl.edu](mailto:sbogart@ufl.edu) - preferred contact  
through **Canvas communications**  
**Office Hours:** Wed 10:30am-1:30pm  
**MUST use Microsoft Bookings to make an appointment.**  
Zoom Meeting ID for Office hours:  
<https://ufl.zoom.us/j/9553695242>  
Password: chimp



**Course Description:** *Fulfills General Education (GenEd) requirement in Biological Sciences (B). Prereq: ANT 3514C or the equivalent.*

This course will review in considerable detail the evidence for the evolution of humankind. Such a subject of study is indeed diverse, but concerns mainly the hominin fossil and archaeological records and their interpretation. Basic principles of geology, systematics, evolutionary theory, functional morphology and genetics will be introduced and used to aid in understanding and interpreting the “hard” evidence of human evolution. We will step back in time, as paleoanthropologists, and learn about some of the fossil evidence for the evolution of Primates, with emphasis on the evolution of the Hominoidea and the origin and diversification of bipedal hominins. At about 2.5 million years ago, our genus *Homo* first appears in the fossil record. At about this same time the first evidence of culture (stone tools) appears in the archeological record. We will trace these major steps forward to the origins of modern humans (*Homo sapiens*) and then review the evidence for their spread and diversification throughout the Old and New Worlds.

GenEd 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. (nb. a minimum grade of C is required for general education credit at UF)

**IMPORTANT:** Lecture will be held via Zoom during the scheduled time (synchronous online). *The use of Canvas (eLearning) will be essential to student success in the course.*

- *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. Likewise, students who un-mute during class and participate orally are agreeing to have their voices 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 is prohibited.*

- *Be Aware: You may be recorded without your knowledge or permission from fellow students.*

### **Required Materials:**

- *The Complete World of Human Evolution (The Complete Series)*, 2012, 2<sup>nd</sup> Edition. By Chris Stringer and Peter Andrews. [Amazon](#) link – any format is fine for this class

*Recommendations:*

- [\*Evolution: The Human Story\*](#), 2<sup>nd</sup> Edition 2018 – BBC series, Alice Roberts
- [\*Processes in Human Evolution: The Journey from Early Hominins to Neanderthals and modern humans\*](#). 2017 1<sup>st</sup> edition, Francisco Ayala and Camilo Cela-Conde

**Materials and Supplies Fees:** Students enrolled in this course will incur a \$17.16 M&S fee

### **Student Learning Outcomes ‘SLOs’**

#### **Content**

- Identify, describe, explain, and apply factual, conceptual, and procedural knowledge in biological anthropology as it pertains to the evidence for human evolution.

#### **Critical Thinking**

- Apply the scientific approach to investigate primate, specifically hominid, variation in its biological, social and cultural dimensions.
- Integrate different sources and types of knowledge into holistic perspectives about human variation and human evolution.
- Evaluate the significance, quality and veracity of information and apply it effectively to solve problems.

#### **Communication**

- Develop public speaking skills and writing skills based on distilling information from peer-reviewed literature.

**Grading:** Letter grades assigned based on total percent of points according to normal grade scale system. A = 93.0 or above; A- = 90-92.9; B+ = 87-89.9; B = 83-86.9; B- = 80-82.9; C+ = 77-79.9; C = 73-76.9; C- = 70-72.9; D+ = 67-69.9; D = 63-66.9; D- = 60-62.9; E = <59.9 \*\*\**grades will not be rounded*\*\*\*

30%	Exams N=3 = 10% each
20%	Labs N=5 = Each 20 pts
5%	Attendance/Participation
20%	Reading assignments & discussion ( <i>Perusall</i> ) N=5 = Each 25 points
25%	Research Project
	Topic proposal (10 points)
	Annotated Bibliography (20 points)
	Presentation – 10 min (35 points)
	Paper (5-7 pages) (35 points)

*A minimum grade of C is required for general education credit. See UF's Grading policy: <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>*

### SCHEDULE (Subject to revision)

Module	Topic	Textbook pages	Assignments & Exams
Module 1 8/23 – 8/27	Introduction Evolution and geology Paleoanthropology introduction	6-13, 24-25, 27-32	
Module 2 8/30 – 9/3	Dating Primates	38-57, 16-23, 34-37	
Module 3 9/6 – 9/10 M: Labor day	Primates Miocene Hominoids	82-89, 200-206, 58-67, 90-113	Reading discussion (Perusall)
Module 4 9/13 – 9/17	LCA & Bipedalism <i>Ardipithecus</i>	114-123, 184-189	Lab 1
Module 5 9/20 – 9/24	Australopithecines & <i>Paranthropus</i>	68-71, 124-129, 207	Lab 2 Reading discussion (Perusall)
Module 6 9/27 – 10/1	Project overview Review		Exam 1
Module 7 10/4 – 10/8 F: Homecoming	Early <i>Homo</i>	130-135, 208	Lab 3 Topic proposal
Module 8 10/11 – 10/15	<i>Homo erectus</i>	136-143, 209	Reading discussion (Perusall)
Module 9 10/18 – 10/22	Middle Pleistocene hominins	72-75, 144-153, 174-175	Lab 4
Module 10 10/25 – 10/29	Tool use and hominins Review	208-215	Exam 2
Module 11 11/1 – 11/5	Late Pleistocene hominins Art	76-79, 154-157, 164-165, 180-181, 216-221	Lab 5 Annotated Bibliography
Module 12 11/8 – 11/12 R: Veteran's	<i>Homo sapiens sapiens</i>	158-163, 166-173, 196-199	Reading discussion (Perusall)
Module 13 11/15 – 11/19	Humans and our environment Review Project check-in	190-195, 222-229	Reading discussion (Perusall)
11/23			Exam 3
11/24 – 11/27	THANKSGIVING		
Module 14 11/29 – 12/3	Student presentations		Slides due Tuesday 9am
Module 15 12/6 – 12/8	Student presentations		
Paper due December 13 <sup>th</sup> by 12pm			

### **Research Project:**

The objective is to relate the course materials together and add to this synthesis research using primary scientific publications on one specific topic. Your final research will investigate a topic related to class materials, as well as discuss a pop perspective on contemporary cultural understandings of our evolutionary history and how it should/does have an impact on our contemporary behavior as humans.

- Topic should be on human origins and/or behavioral evolution
- Address historical, theoretical, and/or methodological approaches, as well as archaeological evidence as it applies to a specific research question.

### **Exams:**

Three non-cumulative exams will cover material from assigned readings, lectures, and class discussions. The exams equally weighted (10% each toward course grade).

- All exams will be administered on e-Learning. **The exams will be made available for two days due by the deadline at 11:59 p.m.** The exams will be timed, but you will be able to use notes. You must complete the exam by the end of the open period. No proctoring service will be used
- Exams must be taken at the scheduled time; there will be no makeup exams. Exceptions will be made only in the case of incapacitating illness or other university-approved absence. In such cases, you must provide Dr. Bogart with written documentation from an appropriate authority at least 24 hours before the exam or as soon as possible thereafter.
- **DRC (Disability Resource Center) student accommodations should be provided to the Instructor by the end of **SEPTEMBER** and a one-on-one meeting is recommended with Dr. Bogart.**

### **Lab assignments:**

- You will conduct several labs to examine the hominin fossils. Time during class will be provided to examine fossils. You will complete the worksheets and turn in on Canvas by the Friday they are assigned.

***Assignments will lose five percentage points for each day they are late (including weekends and holidays).*** An assignment is considered late if it is not submitted electronically **by 11:59 p.m.** on the due date. Each additional 24 hours beyond that point will automatically reduce the maximum possible grade for the assignment by five percent. ***No submissions will be accepted after a week from the deadline without arranged accommodation with Dr. Bogart.***

## **FURTHER INFORMATION ON COURSE**

### **Online Materials and Communication:**

- **You are responsible for materials posted on E-Learning (Canvas)** at <https://elearning.ufl.edu/>, including required readings, announcements, details on assignments, and other supplementary material. Canvas technical support available at <https://elearning.ufl.edu/student-help-faqs/>.
- The instructor may use email to make general class announcements or to contact you directly about your work. **You are responsible for checking your official UF email regularly** to be

aware of communication from your instructors. There are no allowances for students who fail to read their email announcements.

### **Accommodation**

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. **Ideally, student accommodation should be communicated to the Instructor before the end of the first month of the term).**

### **In-Class Recording**

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A “class lecture” is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor is prohibited. To “publish” means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

### **Course Evaluations – GatorEvals**

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.bluer.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

### **Student Conduct and Academic Honesty and Integrity**

Cheating, copying other's work, plagiarism, and other acts of academic misconduct are unethical. UF and the instructor consider these to be serious offenses.

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 (<https://sccr.dso.ufl.edu/students/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.

---

**Cell phones should be off or in silent mode**

use of a phone will result in point deductions

**Laptops are permitted ONLY for notetaking**

use of social media, email, or non-course related work will result in point deductions

---

### **Harassment and Discrimination**

"Harassment" is defined as conduct that (1) is of any type (written, oral, graphic, or physical), (2) is directed towards or against a person because of their personal status (i.e., race, religion, sex, sexual orientation, political affiliation, national origin, age, disability, marital status, pregnancy or others), and that (3) unreasonably interferes with the individual's work, education, or participation in activities or programs at UF or creates a working or learning

environment that a reasonable person would find threatening. "Discrimination" is defined as a conduct that (1) adversely affects any aspect of an individual's employment, education, or participation in activities or programs at UF, and (2) is based on one or more personal characteristics listed above. Any student who feels that his/her rights have been violated may speak to the instructor who will direct the complaint through the proper university channels, or the student may directly file a complaint with UF Department of Human Resources.

---

"The University of Florida has zero tolerance for sexual discrimination, sexual harassment, sexual assault, dating violence, domestic abuse or stalking." <https://titleix.ufl.edu/>

---

### **Campus Resources**

Students experiencing personal problems that are interfering with their academic performance are encouraged to contact Student Affairs, DRC, and/or the Counseling and Wellness Center

- UF Student Affairs: <https://ufsa.ufl.edu/> or <https://care.dso.ufl.edu/>
- Disability Resource Center (DRC): [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)
- Counseling and Wellness Center: <https://counseling.ufl.edu/>, 392-1575
- Health and Wellness U Matter, We Care: If you or a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) or (352) 392-1575 so that a team member can reach out to the student.

### **Academic Resources**

- E-learning technical support, 352-392-4357 (select option 2) or e-mail to [Learningsupport@ufl.edu](mailto:Learningsupport@ufl.edu). <https://lss.at.ufl.edu/help.shtml>
- Library Support, <http://cms.uflib.ufl.edu/ask>. Various ways to receive assistance with respect to using the libraries or finding resources.



- ANTHROPOLOGY'S Library Page:  
<http://guides.uflib.ufl.edu/c.php?g=963561&p=6959964%5C>
- **Ginessa Mahar** (anthropology Librarian): [gjmahar@ufl.edu](mailto:gjmahar@ufl.edu), office: Library West rm.500
- Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers or presentations. <http://writing.ufl.edu/writing-studio/>