

**Human Biology (HBIO) 200Lg: The Human Animal**

**Lectures:** Tuesdays and Thursdays 2:00 - 3:20pm, SGM 124

**Instructor:** Dr. Stephanie Bogart

Office: AHF (Hancock), Jane Goodall Center, B10-B\*

Email: [sbogart@usc.edu](mailto:sbogart@usc.edu)

Office Hours: Tuesdays 10-11:50am, Wednesdays 10-11am, or by appointment

\*Enter Hancock, walk down the corridor to the right. Take the stairwell (second set of stairs just past the elevator) to the basement and turn left where you will see the Jane Goodall Center. My office is the first one on the right.

**Course Content:** This is a course introducing the student to an evolutionary and biological view of the human species. We begin by surveying the history of evolutionary thought and examining the structure of evolutionary theory. We then survey the Primate order, followed by an examination of the fossil evidence for human evolution. We conclude with a consideration of how evolution may influence the modern human species. Theoretical questions confronting the field in the 21<sup>st</sup> century are discussed, to familiarize you with the major issues. We will give particular emphasis to evolutionary explanations for the origins of modern humans, to ecological influences on behavior, and to evolutionary implications for the origins of human behavior.

The course objectives will provide students with:

- A core knowledge base in human evolution including a approaches in evolutionary biology, biological anthropology, paleontology, comparative primate behavioral ecology, population genetics, and modern human variation and adaptation.
- An understanding of ecological and evolutionary processes including the role of genetic variation, heredity, and natural selection as well as the implications these processes have for the origins and evolution of modern humans and their biology.

As a GE life sciences course, students will gain opportunities allowing for:

- A basic grasp of the scientific method
- An understanding of how data is generated, presented and interpreted
- Hands-on science

**Required Textbooks:**

*Biological Anthropology: The Natural History of Humankind*, by Stanford, Allen and Antón (Fourth Edition).

*Annual Editions in Physical Anthropology*, **26<sup>th</sup> Edition** (do not buy other editions)  
*Through a Window*, by Jane Goodall (1991), many used copies available online.

**Grading:** Grading will be done on a total points accumulated basis as follows:

25% = Midterm 1

25% = Midterm 2

25% = Midterm 3

25% = Lab (assignments, attendance, participation)

\*Attendance will be taken in lecture randomly. Progressive improvement on exams during the semester and your effort in labs will also be taken into account.

\*JEP and Extra credit options will be available to you.

## **Course grades, syllabus, announcements and handouts will be posted on Blackboard.**

**Lectures:** Partial powerpoint slides are posted on Blackboard in pdf format and will be posted *before* class. If you miss a class, please **do not** ask Dr. Bogart or a TA; you should seek a classmate to obtain further notes.

**Labs:** Your regular attendance in TA-taught labs is required, and will help to decide final grades. It is very difficult to get an "A" grade in this course without going to lab every week and participating. The TA's will discuss the readings, review course material, do hands-on learning projects, hold exam reviews, and show videos to supplement the course material.

**JEP:** I encourage you to participate in the Joint Education Program. JEP provides an opportunity for you to go into a public school in the community and teach about human evolution, primate behavior, and the science debate while earning class credit. Your JEP grade (assigned by the JEP coordinator and classroom teacher) will be counted as a 4<sup>th</sup> midterm grade.

**Academic Accommodations:** A letter of verification for approved accommodations can be obtained from DSP. Deliver this letter to Dr. Bogart as early in the semester as possible.

DSP: Student Union (STU) 301 - 8:30-5:00pm Monday – Friday, (213) 740-0776

**Examinations:** All regularly scheduled exams will be a combination of objective and essay questions. Make-up exams will be given only if you have a written, official university excuse, health or activity-related. Students who are officially excused from scheduled exams will take a make-up administered no more than one week after the class exam date. This makeup will cover the same material, but in a different format - usually more essay-based - than the in-class exam.

## **Academic Conduct (USC Statement)**

Plagiarism – presenting someone else’s ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in *SCampus* in Section 11, *Behavior Violating University Standards* <https://scampus.usc.edu/1100-behavior-violating-university-standards-and-appropriate-sanctions/>. Other forms of academic dishonesty are equally unacceptable. See additional information in *SCampus* and university policies on scientific misconduct, <http://policy.usc.edu/scientific-misconduct/>.

Discrimination, sexual assault, and harassment are not tolerated by the university. You are encouraged to report any incidents to the *Office of Equity and Diversity* <http://equity.usc.edu/> or to the *Department of Public Safety* <http://capsnet.usc.edu/department/department-public-safety/online-forms/contact-us>. This is important for the safety whole USC community. Another member of the university community – such as a friend, classmate, advisor, or faculty member – can help initiate the report, or can initiate the report on behalf of another person. *The Center for Women and Men* <http://www.usc.edu/student-affairs/cwm/> provides 24/7 confidential support, and the sexual assault resource center webpage [sarc@usc.edu](mailto:sarc@usc.edu) describes reporting options and other resources.

## **Support Systems**

A number of USC’s schools provide support for students who need help with scholarly writing. Check with your advisor or program staff to find out more. Students whose primary language is not English should check with the *American Language Institute* <http://dornsife.usc.edu/ali>, which sponsors courses and workshops specifically for international graduate students. *The Office of Disability Services and Programs* [http://sait.usc.edu/academicssupport/centerprograms/dsp/home\\_index.html](http://sait.usc.edu/academicssupport/centerprograms/dsp/home_index.html) provides certification for students with disabilities and helps arrange the relevant accommodations. If an officially declared emergency makes travel to campus infeasible, *USC Emergency Information* <http://emergency.usc.edu/> will provide safety and other updates, including ways in which instruction will be continued by means of blackboard, teleconferencing, and other technology.

**SCHEDULE:**

*NOTE - follow your individual section syllabus provided by your TA for Lab schedule and Annual Edition readings. (Subject to revision)*

	<b>Lecture Topic</b>	<b>Stanford et al. text readings</b>	<b>Lab Component</b>
Week 1: Jan 9 & 11	Bio Anth, Science, History of evolutionary thought	1	NO LABS
Week 2: Jan 16 & 18	Genetics & Evolution	2, 3, 4	Evolution video & readings
Week 3: Jan 23 & 25	Adaptation, Sexual selection, what is a species?	4, 5	Evolution lab & readings
Week 4: Jan 30 & Feb 1	Speciation, Taxonomy, phylogeny, Primate traits	4, Part of 6	Human skeletal biology & Exam Review
Week 5: Feb 6 & 8	<b>MIDTREM 1</b> Primates: Strepsirhines	6-7	NO LABS
Week 6: Feb 13 & 15	Primates: monkeys, apes	6-7	Primate Osteology
Week 7: Feb 20 & 22	Primate ecology & Culture, Savanna chimpanzees	7	Primate video and readings
Week 8: Feb 27 & Mar 1	Conservation & Primate fossils	8, 9	<i>Through a Window &amp; video</i>
Week 9: Mar 6 & 8	Locomotion <b>MIDTERM 2</b>	Part of 10, 17	Locomotion & ape lab, Exam Review
Week 10: Mar 13 & 15	SPRING BREAK		NO LABS
Week 11: Mar 20 & 22	Forensics, Dating & Geology	10	Video and readings
Week 12: Mar 27 & 29	Possible basal hominins, Early Hominins (human ancestors)	10, 11, 12	Hominins I, Readings
Week 13: Apr 3 & 5	Late Hominins, Models of human origins	13, 14	Hominins II, Readings
Week 14: Apr 10 & 12	Cognition & language	14	Readings
Week 15: Apr 17 & 19	Human behavior Evolutionary Medicine	5, 15, 16	Readings
Week 16: Apr 24 & 26	Pseudoscience <b>MIDTERM 3 Apr 26 in class</b>		Readings & review

**Take-home portion of final exam is Due Thursday, May 3<sup>rd</sup> 2pm**