

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

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. E-mail is always the best way to reach me for questions or an appointment.

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 21st 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.

Required Textbooks:

- *Biological Anthropology: The Natural History of Humankind*, by Stanford, Allen and Antón (Fourth Edition – do not buy previous editions).
 - This text should be used as your source of information to supplement the material presented in Lecture.
- *Annual Editions in Physical Anthropology*, 25th Edition (do not buy other editions)
 - To be read and discussed with your TA's in lab sections.
- *Through a Window*, by Jane Goodall (1991), many used copies available online.
 - To be read and discussed with your TA's in lab sections.

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

25% = Exam 1 = 25 %

25% = Exam 2 = 25 %

25% = Exam 3 = 25 %

25% = TA 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 *after* 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.

- Dr. Trond Sigurdson (sigurdse@usc.edu)
 - Lab sections: Wed 12-1:50pm, Thurs 10-11:50am, Thurs 12-1:50pm
- James Askew (jamesask@usc.edu)
 - Lab sections: Tues 10-11:50am, Tues 12-1:50pm, Wed 10-11:50am

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 creation-science debate while earning class credit. Your JEP grade (assigned by the JEP coordinator and classroom teacher) will be counted as a 4th midterm grade.

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/departments/departments-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 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/academicsupport/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.

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.

SCHEDULE:

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

	Lecture Topic	Stanford et al. text readings	Lab Component
Week 1: Jan 10 & 12	Intro, Bio Anth, Creation/Science, History	1	NO LABS
Week 2: Jan 17 & 19	Genetics & Evolution	2, 3, 4	What is Science? Evolution video
Week 3: Jan 24 & 26	Adaptation, Speciation, what is a species?	4, 5	Evolution lab and readings
Week 4: Jan 31 & Feb 2	Taxonomy, phylogeny, Primate traits	4, Part of 6	Skeletal biology intro, Review
Week 5: Feb 7 & 9	MIDTREM 1 (Tue), Primates: Strepsirhines	6-7	Primate video and readings
Week 6: Feb 14 & 16	The Primates: monkeys, apes	6-7	Primate Osteology
Week 7: Feb 21 & 23	Primate ecology & Culture	7	<i>Through a Window</i>
Week 8: Feb 28 & Mar 2	Conservation & Primate fossils	8, 9	Readings and video
Week 9: Mar 7 & 9	Locomotion, Forensics	Part of 10, 17	Locomotion and Hominoid evolution lab, Readings
Week 10: Mar 14 & 16	SPRING BREAK		NO LABS
Week 11: Mar 21 & 23	Dating, Geology, & First hominins, MIDTERM 2 (Thur)	10	Review and video
Week 12: Mar 28 & 30	Hominins (human ancestors)	10, 11, 12	Hominins I, Readings
Week 13: Apr 4 & 6	Hominins, Models of human origins, cognition	13, 14	Hominins II, Readings
Week 14: Apr 11 & 13	Human variation & behavior	5, 16	Readings
Week 15: Apr 18 & 20	Darwinian Medicine	15	Readings
Week 16: Apr 25 & 27	Pseudoscience		Readings & review
	Final Exam		