

Human Biology (HBIO) 200g The Human Animal

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

Labs: Tuesday, Wednesday, Thursday– 10am, 12pm (two hour sections)

Instructor: Dr. Trond Sigurdson, Office: ZHS 256

Email: sigurdse@usc.edu Office Hours: Fridays 11-1pm, or by appointment

Lab Instructors: Katie Beachem and Cecily Pulver

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***, by Stanford, Allen and Antón (4th Edition).
 - This text should be used as your source of information to supplement the material presented in Lecture.
 - ***Annual Editions in Physical Anthropology***, 26th Edition
 - To be read and discussed with your Instructor in lab sections.
 - ***Through a Window***, by Jane Goodall (1991), used copies available online.
 - To be read and discussed with your Instructor in lab sections.
- Recommended:
- *Planet Without Apes*, by Craig Stanford (Harvard U. Press, 2011)

Grading: Grading will be done on a total points accumulated basis, with percentage values as follows:

Midterm 1	= 25 %;
Midterm 2	= 25 %;
Midterm 3	= 25 %;
Lab assignments/attendance	= 25 %

Course grades, syllabus, announcements and handouts will be posted on Blackboard. It is the individual student's responsibility to stay updated.

Lectures: Lecture powerpoints are not posted on Blackboard. If you miss a class, please do not ask Dr. Sigurdson or a TA; you should seek a classmate to obtain 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.

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-andappropriate-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-publicsafety/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

The Office of Disability Services and Programs

http://sait.usc.edu/academicsupport/centerprograms/dsp/home_index.html

DSP 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. Sigurdson as early in the semester as possible.

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 long essay -than the in-class exam.

SCHEDULE:

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

	LECTURE	LAB
Week 1: Jan 8 & 10	Intro, Bio Anthropology, Creation/Science, History	NO LABS
Week 2: Jan 15 & 17	Genetics & Evolution	Mankind Rising Video & Readings
Week 3: Jan 22 & 24	Speciation, what is a species? Human anatomy & dimorphism	Forces of Evolution & Readings
Week 4: Jan 29 & 31	Taxonomy, phylogeny, Primate traits	Osteology and Midterm 1 Review
Week 5: Feb 5 & 7	MIDTERM 1 (Tue), Primate ecology	NO LABS
Week 6: Feb 12 & 14	The Primate Order: "Prosimians", monkeys, apes	Primate Osteology
Week 7: Feb 19 & 21	Sociality, Reproduction & Culture, Conservation	Clever Monkeys Video & Readings
Week 8: Feb 26 & 28	Primate fossils, Locomotion	Locomotion and Hominoid Evolution & Readings
Week 9: Mar 5 & 7	Fossil Dating, Paleontology & Forensics	<i>Through a Window</i> and Midterm 2 Review
Week 10: Mar 12 & 14	SPRING BREAK	NO LABS
Week 11: Mar 19 & 21	MIDTERM 2 (Tue), First hominins	Becoming Human Video & Readings
Week 12: Mar 26 & 28	Australopithecines, <i>Homo</i>	Hominins I & Readings
Week 13: Apr 2 & 4	<i>Homo</i> , Models of human origins	Hominins II & Readings
Week 14: Apr 9 & 11	Society, hunter-gatherers, civilization, human variation	Identity and Diversity Readings
Week 15: Apr 16 & 18	Language and brain, Evolutionary Psychology	Human Biology and Forensics
Week 16: Apr 23 & 25	Darwinian Medicine, Pseudoscience	Review
Thursday, May 2	FINAL EXAM, 2:00 - 4:00 PM	