

Human Biology (HBIO) 200g The Human Animal

Lectures: Tuesdays and Thursdays 2:00 -3:20pm, SGM 123

Labs: Tuesday, Wednesday, Thursday, Friday – 8am, 10am, 12pm (two hour sections)

Instructor: Dr. Trond Sigurdson, Office: Jane Goodall Center, AHF (Hancock building)
Email: sigurdse@usc.edu Office Hours: Mondays 2-3pm, Tuesdays 11am-12:30pm, or by 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***, 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***, 25th 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)
 - *Why Evolution is True*, by J. Coyne (2009)

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 and 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. Your lab grade will be assigned on a 20 point scale, 0-20.

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-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.

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 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 12 & 14	Intro, Bio Anthropology, Creation/Science, History	NO LABS
Week 2: Jan 19 & 21	Genetics & Evolution	Creation & Science: The Evolution Debate
Week 3: Jan 26 & 28	Evolution continued, Speciation, what is a species?	Evolution and Human Osteology
Week 4: Feb 2 & 4	Taxonomy, phylogeny, Primate traits	Primate tree, QUIZ Review
Week 5: Feb 9 & 11	MIDTREM 1 (Tue), Primate ecology	Primate Osteology
Week 6: Feb 16 & 18	The Primate Order: Prosimians, monkeys, apes	<i>Through a Window</i>
Week 7: Feb 23 & 25	Sociality, Reproduction & Culture, Conservation	Readings – Culture, sociality, reproduction
Week 8: Mar 1 & 3	Primate fossils Locomotion	Locomotion and Hominoid evolution lab, Review
Week 9: Mar 8 & 10	MIDTERM 2 (Tue), Forensics	Video
Week 10: Mar 15 & 17	SPRING BREAK	NO LABS
Week 11: Mar 22 & 24	Dating, Geology, & First hominins	Hominins I, Video
Week 12: Mar 29 & 31	Australopithecines <i>Homo</i>	Hominins II, Reading
Week 13: Apr 5 & 7	<i>Homo</i> , Models of human origins, language and brain	Readings: Later <i>Homo</i> and brain evolution
Week 14: Apr 12 & 14	Human variation, Evolutionary Psychology	Race and Ethnicity
Week 15: Apr 19 & 21	Darwinian Medicine, Pseudoscience	Disease Readings, Review
Week 16: Apr 26 & 28	MIDTERM 3 (Thurs)	NO LABS