

**HBIO 308: Origins and Evolution of Human Behavior
Fall 2020**

COURSE MEETING TIME (LOCATION): T/Th 2:00-3:20pm (ONLINE)

INSTRUCTOR: David Raichlen

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OFFICE: AHF B10b

OFFICE HRS: T/Th 12:45-1:45 via Zoom (<https://usc.zoom.us/j/7790072632>)

For Fall 2020, this course will be taught online. As an online course, we will use a mixture of synchronous and asynchronous meetings that will include lectures, movies, and interactive activities.

INTRODUCTION: This course examines the evidence for the origin and evolution of humans with particular emphasis placed on reconstructing the paleobiology of extinct hominins. We will draw upon a diverse range of disciplines (anatomy, behavior, biomechanics, genetics, geology, paleontology) and integrate these into a framework for understanding the history of this unusual group of primates.

READINGS:

Articles: Readings can be found on the course website. *Please note that readings may be added during the semester. I will give you updates during class when readings are added.*

OBJECTIVES:

By the end of this course, students will:

1. understand how to critically read primary research literature and apply scientific principles to the study of human evolutionary history
2. gain hands-on experience in using comparative anatomy to assess hypotheses in human evolutionary biology
3. improve critical thinking and communication skills (both oral and written)

COURSE GRADING:

1. Exam 1	25%
2. Exam 2	25%
3. Exam 3	25%
4. Summative Experience	15%
5. Class Participation*	10%
	TOTAL 100%

*Class participation includes Exam Review days.

Class Schedule

Week	Date	Day	Topic*	Readings
1	18-Aug	T	Introduction	
1	20-Aug	Th	Humans as primates	
2	25-Aug	T	Adaptation and Natural Selection	Mayr (2001), Gould and Lewontin (1979)
2	27-Aug	Th	Taphonomy and Geology	
3	1-Sep	T	Primate origins and early evolution	Cartmill (1992)
3	3-Sep	Th	Anthropoid origins and the dispersal of Primates	Ross (2000)
4	8-Sep	T	Miocene hominoids	Maclatchy (2004)
4	10-Sep	Th	Biomechanics of walking and running	Preuschoft (2004)
5	15-Sep	T	Exam review	
5	17-Sep	Th	Exam 1	
6	22-Sep	T	Earliest Hominins	Brunet et al. (2002)
6	24-Sep	Th	Australopithecine diversity	Kimbel (2007)
7	29-Sep	T	Australopithecine locomotion	Lovejoy (1988), Stern (2000)

7	1-Oct	Th	Australopithecine diet and ecology	Sponheimer and Lee-Thorp (1999), Demes and Creel (1988), Laden and Wrangham (2005)
8	6-Oct	T	Movie	
8	8-Oct	Th	Fall break	
9	13-Oct	T	Earliest <i>Homo</i>	Wood and Collard (1999)
9	15-Oct	Th	<i>Homo erectus</i>	Anton (2003)
10	20-Oct	T	The origins of the genus <i>Homo</i>	Bramble and Lieberman (2004), Aiello and Key (2002)
10	22-Oct	Th	Exam review	
11	27-Oct	T	Exam 2	
11	29-Oct	Th	<i>Homo floresiensis</i>	Aiello(2010)
12	3-Nov	T	Archaic <i>Homo sapiens</i>	
12	5-Nov	Th	The Neandertals	Herrera et Al. (2009)
13	10-Nov	T	<i>Origins of Homo sapiens</i>	
13	12-Nov	Th	Exam 3	Pearson (2004)
14	TBA		Summative Experience (TBA - not a final exam)	

***Note that topics and readings for a given day and week are subject to change. You will be notified prior to any changes made in this schedule.**

Statement on Academic Conduct and Support Systems

Academic Conduct:

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 Part B, Section 11, “Behavior Violating University Standards” policy.usc.edu/scampus-part-b. Other forms of academic dishonesty are equally unacceptable. See additional information in SCampus and university policies on scientific misconduct, policy.usc.edu/scientific-misconduct.

Support Systems:

Student Health Counseling Services - (213) 740-7711 – 24/7 on call
engemannshc.usc.edu/counseling

Free and confidential mental health treatment for students, including short-term psychotherapy, group counseling, stress fitness workshops, and crisis intervention.

National Suicide Prevention Lifeline - 1 (800) 273-8255 – 24/7 on call
suicidepreventionlifeline.org

Free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week.

Relationship and Sexual Violence Prevention Services (RSVP) - (213) 740-4900 – 24/7 on call

engemannshc.usc.edu/rsvp

Free and confidential therapy services, workshops, and training for situations related to gender-based harm.

Office of Equity and Diversity (OED) | Title IX - (213) 740-5086

equity.usc.edu, titleix.usc.edu

Information about how to get help or help a survivor of harassment or discrimination, rights of protected classes, reporting options, and additional resources for students, faculty, staff, visitors, and applicants. The university prohibits discrimination or harassment based on the following protected characteristics: race, color, national origin, ancestry, religion, sex, gender, gender identity, gender expression, sexual orientation, age, physical disability, medical condition, mental disability, marital status, pregnancy, veteran status, genetic information, and any other characteristic which may be specified in applicable laws and governmental regulations.

Bias Assessment Response and Support - (213) 740-2421
studentaffairs.usc.edu/bias-assessment-response-support

Avenue to report incidents of bias, hate crimes, and microaggressions for appropriate investigation and response.

The Office of Disability Services and Programs - (213) 740-0776
dsp.usc.edu

Support and accommodations for students with disabilities. Services include assistance in providing readers/notetakers/interpreters, special accommodations for test taking needs, assistance with architectural barriers, assistive technology, and support for individual needs.

USC Support and Advocacy - (213) 821-4710
studentaffairs.usc.edu/ssa

Assists students and families in resolving complex personal, financial, and academic issues adversely affecting their success as a student.

Diversity at USC - (213) 740-2101
diversity.usc.edu

Information on events, programs and training, the Provost's Diversity and Inclusion Council, Diversity Liaisons for each academic school, chronology, participation, and various resources for students.

USC Emergency - UPC: (213) 740-4321, HSC: (323) 442-1000 – 24/7 on call
dps.usc.edu, emergency.usc.edu

Emergency assistance and avenue to report a crime. Latest updates regarding safety, including ways in which instruction will be continued if an officially declared emergency makes travel to campus infeasible.

USC Department of Public Safety - UPC: (213) 740-6000, HSC: (323) 442-120 – 24/7 on call
dps.usc.edu

Non-emergency assistance or information.