ANTH-UA2 Human Evolution
Fall 2022

Dr James Higham (jhigham@nyu.edu)
Office: Rm 402, 25 Waverly Pl. Office Hours: Weds 10:30-12:30

Evolutionary theory is the unifying theme of the natural sciences. This course provides a comprehensive introduction to the field of biological anthropology in which we explore our own evolutionary history. The course covers evolutionary theory and genetics; primate morphology, behavior and ecology; primate and human osteoarcheology and the fossil record; and modern human biology and variation.

Lecture: Monday/Wednesday 12:30-1:45pm, Cantor Film Center, 36 E 8th Street, Room 101.
Lab: 1 session per week as registered; Rm 204, 25 Waverly Pl.

Adjunct Instructors:
Audrey Choi (ayc355@nyu.edu), Office hours: 1-3pm Tuesdays, Rm 904, 25 Waverly Pl.
Madelynne Dudas (mmd519@nyu.edu), Office hours: 10am-12pm Mondays, Rm 302, 25 Waverly Pl.
Liz Fillion (e.n.fillion@nyu.edu), Office hours: 5-6pm Mondays, Rm 904, 25 Waverly Pl.
Jessica Gunson (jessica.gunson@nyu.edu), Office hours: 11am-12pm Wednesdays, Rm 403, 25 Waverly Pl.

Labs begin the **second** week of class as follows:
008 Monday 2:00-3:15 Adjunct Instructor: Liz Fillion
009 Monday 3:30-4:45 Adjunct Instructor: Liz Fillion
002 Monday 6:20-7:35 Adjunct Instructor: Audrey Choi
003 Monday 7:45-9:00 Adjunct Instructor: Audrey Choi
004 Tuesday 8:00-9:15 Adjunct Instructor: Madelynne Dudas
005 Tuesday 9:30-10:45 Adjunct Instructor: Madelynne Dudas
006 Weds 8:00-9:15 Adjunct Instructor: Jessica Gunson
007 Wed 9:30-10:45 Adjunct Instructor: Jessica Gunson

Textbook: Stanford, Allen, Antón. Exploring Biological Anthropology, 4th edition. Pearson: Prentice Hall, 2016.
NOTE: If you wish to buy a second-hand copy of the previous version (3rd edition), this will also be fine.

Accomodations: Academic accommodations may be available to students dependent on determinations made by NYU's Henry and Lucy Moses Center for Students with Disabilities. Students should contact the Moses Center directly to register with them: 726 Broadway, 2nd Floor, New York, NY 10003.
Phone: 212-998-4980; Voice/TTY Fax: 212-995-4114; Web site: www.nyu.edu/csd

Labs: Most weeks there is a 'pre-lab' exercise to help you prepare for that week's lab, and a 'post-lab' exercise to assess what you learnt in lab. The Adjunct Instructor (AI) for your section will write to you with further explanations and details.

Late work policy: If you cannot submit your post-lab assignment on time, you should request an extension from your AI >24 hours in advance of the due date. Extensions will only be given at the discretion of the AI. This does not apply to pre-labs or lab attendance, which are graded purely on participation and timely completion.

Grading: There will be two exams – a mid-term and a final. Each are worth 30% of your grade. The remaining 40% will be based on your pre-labs, lab participation, and post-labs.

Labs	40%
Mid-term	30%
Final	30%
TOTAL	**100%**

Monday	**Wednesday**	**Lab**
Sept 5th 2022 No Class – US Public holiday	Sept 7th 2022 Introduction to biological anthropology *Chapter 1*	NO LAB
Sept 12th 2022 Survey of the living primates I *Chapter 7*	Sept 14th 2022 Survey of the living primates II Chapter 7	1: The human skeleton
Sept 19th 2022 Primate predation, diet, and ranging *Chapter 8*	Sept 21st 2022 Primate social and mating behavior *Chapter 8*	2: Primates I
Sept 26th 2022 Primate cognition, communication, tool-use *Chapter 8*	Sept 28th 2022 Evolutionary Biology *Chapter 2*	3: Primates II
Oct 3rd 2022 Cellular and molecular biology *Chapter 3*	Oct 5th 2022 Mendelism and the modern synthesis *Chapter 4*	4: Genetics & evolution
Oct 10th 2022 No Class – US Public Holiday	Oct 12th 2022 Species and speciation *Chapter 5*	NO LAB
Oct 17th 2022 Life on Earth	Oct 19th 2022 Primate comparative anatomy & review *Chapter 7*	5: Quantitative data
Oct 24th2022 MID-TERM IN CLASS	Oct 26th 2022 Geology and dating *Chapter 9*	6: Comparative anatomy
Oct 30th 2022 Primate and Anthropoid origins *Chapter 9*	Nov 2nd 2022 Bipedalism – the ape to hominin transition *Chapter 10*	7: Phylogenetics
Nov 7th 2022 Early hominins *Chapter 10*	Nov 9th 2022 Australopithecus *Chapter 10*	8: Bipedalism
Nov 14th 2022 Paranthropus *Chapter 10*	Nov 16th 2022 Early Homo *Chapter 11*	9: Fossils I
Nov 21st 2022 Homo erectus and dispersal from Africa *Chapter 11*	Nov 23th 2022 No Class – NYU Fall Break	10: Fossils II
Nov 28th 2022 Archaic humans *Chapter 12*	Nov 30th 2022 Neanderthals & Denisovans *Chapter 12*	11: Fossils III
Dec 5th 2022 The origins of modern humans *Chapter 13*	Dec 7th 2022 Modern human variation	12: Skin color, race, & racism
Dec 12nd 2022	Dec 14th 2022	
Human adaptation and population genetics	FINAL IN CLASS	
Chapter 6		