

Course Syllabus

ANTHROPOLOGY 1 - INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY

Professor Deacon - Spring 2015 - Syllabus & requirements

Date	Lecture topic & reading assignments
20-Jan	Biological anthropology: history and the importance of evolution
22-Jan	The logic of natural selection Lab section: none. Readings (to do for the week listed): BA Intro & Ch 1; HECB 1.1-1.9
27-Jan	Evolutionary fallacies and the revolutionary impact of the discovery of genes
29-Jan	Molecular basis of evolution and organism function Lab 1: Natural selection. Readings: BA 2-3; HECB 1.10-2.5
3-Feb	Evolution from a gene's perspective
5-Feb	Evolution of sex and death Lab 2: Genes, sex, and evolution Readings: BA 4 (5 later); HECB 2.6-2.15; bCourses
10-Feb	Origins of sexual reproduction & reproductive “strategies”
12-Feb	Sexual selection, ecology & parenting Lab 3: Behavioral evolution Readings: BA 6; HECB 3.23-3.31; bCourses
17-Feb	Social Cooperation
19-Feb	Prosimians to Monkeys Lab 4: Taxonomy, anatomy and ecology of primates Readings: BA 7; HECB 3.1-3.18, 4.1-4.24
24-Feb	New World and Old World Monkeys
26-Feb	From monkeys to apes: gibbons & orangutans Lab 5: Primate social & ecological behavior Readings: BA 8-9; HECB 3.23-2.35
3-Mar	African Apes (Gorillas, chimpanzees, and bonobos)
5-Mar	Bonobos, sexuality and social behavior Lab 6: Great apes Readings: BA 10 & Appendix B: HECB 4.25-4.36
10-Mar	MIDTERM EXAM [Review session to be announced]
12-Mar	Human fossil origins

- Lab 7: Evolution and anatomy of early hominids
Readings: BA 11-12; HECB 5.1-5.20
- 17-Mar First hominins
- 19-Mar Australopithecus to Homo
Lab 8: Evolution and anatomy of the genus Homo
Readings: BA 13; HECB 5.21-5.30
- 24-Mar SPRING BREAK
- 31-Mar Homo erectus to archaic Homo sapiens
- 2-Apr Emergence of Homo sapiens
Lab 9: Modern human origins and variation
Readings: BA 6 & 14; HECB 6.13-6.16; bCourses
- 7-Apr Human variation and the human difference
- 9-Apr Brains: size evolution, anatomy, and intelligence
Lab 10: Basic neuroanatomy & brain evolution
Readings: BA Appendix A; HECB 3.19-3.22; bCourses
- 14-Apr Brain development, early experience, and the Nature/Nurture fallacy
- 16-Apr Brain and language
Lab 11: Brain and language
Readings: BA 15; bCourses
- 21-Apr Human sexual differentiation & variations
- 23-Apr Unique human life history: birth, lifespan, & menopause
Lab 12: Hormones, growth & sexual differentiation
Readings: BA 16; HECB 6.1-10; bCourses
- 28-Apr Niche construction and bio-cultural interactions
- 30-Apr Maladaptation and modern life
Lab 13: Human life cycle and adaptations
Readings: BA 17; bCourses [BA 18 optional]
- 5 -May [RRR week, review session at usual class place and time]

FINAL EXAM GROUP 15: THU 14 MAY 3-6 PM

Requirements: Attendance at all lectures & sections; completion of all quizzes & exams.

Grading: Weekly quizzes = 25%, midterm exam = 35%, final exam = 40%.

Lectures: Wheeler Auditorium Tue & Thu @ 12:30 - 2 PM

Discussion sections/labs (weekly): Barrows basement room 65, beginning in week 2.

You **MUST** be enrolled in a discussion/lab section to be in this course.

Weekly Quizzes: Quiz questions are published online (bCourses website) each week prior the relevant section. Selected questions will be chosen from these for a closed book quiz given at the beginning of each section (no make-ups); bring a small blue book to the first section meeting.

Texts: Required texts are available at Cal bookstore.

BA = Biological Anthropology. Stanford, Allen, Anton (required)

HECB = Human Evolution Coloring Book (2nd ed.), Zihlman (required)

bCourses = Course website (required quizzes, required e-readings, lecture slides)

Website: There is a bCourses website set up for this course <bCourses.berkeley.edu>.

Materials include: required supplementary readings (not available in the text books), all quiz questions, announcements, and lecture slides. These materials will NOT be handed out on paper, but for those with difficulty accessing the website, limited numbers of printed versions of quiz questions will be available at the GSI office in Barrows basement room 72.

Prof. Deacon's office: 329 Kroeber, office hours Thu 2:30-4:30; or by appointment.

GSI: Drew Halley (head GSI), Celise Chilcote, Mike Grone, Alexandra McCleary,
Dillon Niederhut, Jeremy Soh, Madza Virgens, Melinda Yang

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