

Human Paleontology

IB 185/Anthropology 100

Instructor: Professor Tim White, Department of Integrative Biology

Lecture Schedule

JANUARY

Tu 17 Introduction
 Th 19 Evolution
 Tu 24 The skeleton
 Th 26 Zoological systematics
 Tu 31 Geology

FEBRUARY

Th 2 Chronology
 Tu 7 Paleoclimates; paleolithic archaeology
 Th 9 Formation of the fossil record
 Tu 14 Historical background to human evolutionary studies
 Th 16 Field and laboratory work
 Tu 21 Neanderthal: History of discovery and interpretation
 Th 23 Upper Pleistocene hominids--Africa; Near East
 Tu 28 Upper Pleistocene hominids--Asia; Europe

MARCH

Th 2 *Homo erectus*: History of discovery and interpretation
 Tu 7 *Homo erectus*: Current research
 Th 9 **MIDTERM**
 Tu 14 Early *Homo*: History of discovery and interpretation
 Th 16 Early *Homo*: Current research
 Tu 21 S. African *Australopithecus*: History of discovery and interpretation
 Th 23 S. African *Australopithecus*: Context
 Tu 28th & Th 30th: **SPRING RECESS**

APRIL

Tu 4 Robust *Australopithecus*
 Th 6 Laetoli and Hadar: The sites
 Tu 11 *Au. afarensis*: The species
 Th 13 Early hominids: Genera, species, lineages
 Tu 18 Paleobiology of *Australopithecus*
 Th 20 *Ardipithecus ramidus*
 Tu 25 Miocene hominids: *Ardipithecus*, *Orrorin*, *Sahelanthropus*
 Th 27 Hominid origins: Facts and scenarios

MAY

NO NEW MATERIAL: RRR WEEK

Laboratory Schedule

None
 Osteology
 Term Paper Orientation
 Fossils & Geology
 Archaeology & Taphonomy
 Intro. to AMH
 Fossil Moderns

Neanderthals
 Late *Homo erectus*
 Early *Homo erectus*

Early *Homo*
 Robust *A'pithecus*
A. afar./A. afric.
Ardipithecus

FINAL EXAM GROUP 2: MONDAY, MAY 8, 2017 11:30-2:30 PM: LOCATION TBA

The University of California at Berkeley
Department of Integrative Biology

Instructor: T. White
Office: 5098 VLSB; hours: To Be Arranged

Human Paleontology
IB C185/Anthropology C100
Spring 2017

Laboratory sections: **NOT** optional. Attend weekly (enroll in one): W 12-2 PM; Th 10 AM-12 PM. Meet in the *Human Evolution Teaching Laboratory*, Room **1007 VLSB**, beginning Week 2. Do not bring food or drink to this laboratory. Handle specimens with care and follow all guidelines.

Recommended texts: *Missing Links*, Reader, J. 2011 (2nd edition).

Schedule: Will be followed for all lectures, exams, and laboratory sessions.

Reading: The book is intended to supplement the lectures and is therefore not required. Therefore, it is YOUR responsibility to identify and review relevant sections of this and other books and other resources before and after the lectures. Note that whereas the recommended 2011 book offers comprehensive treatments of this fast-moving subject matter, discoveries over the last few years are not included in it. Information provided in lecture will be more up-to-date.

Grading: Done on a points-accumulated basis, as follows:

Midterm exam	150 points
Final exam	250 points
Term paper	<u>100 points</u>
Total	500 points

Early examinations: There will be **NONE**. If you need one, **DROP** the course. Now.

Make-up examinations: There will be **NONE**.

- If you miss the midterm, your final will be for 400 points.

Term Paper

- Will be developed according to a separate instruction sheet and will involve your critical entry into the primary research literature of human paleontology.
- Will be due the last day of instruction.

Graduate Student Instructor: Marianne Brasil. Office Hours: Tu 1-2 PM, or by appt. 1007 VLSB.

Classroom Recording: There is to be **NO video photo recording or photography**, in lecture or in the laboratory.

Audio recording IS permitted, with instructor approval, and signed contract. If you intend to record lectures and/or laboratories, you will sign a form stating that such recording is solely for your individual student use, and will be reproduced in any form, including online posting.