

ANTHROPOLOGY 1013 FALL 2007

AN INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY

INSTRUCTOR: Dr. Peter Ungar
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Office hours: 1PM –2PM Tuesday & Thursday or by Appointment

CLASS MEETS: Tuesday & Thursday 2:00PM – 3:20PM SEAU 104

TEXTBOOK: *Introduction to Physical Anthropology*, Jurmain, Kilgore, Trevathan and Ciochon. Wadsworth / Thompson Learning, Belmont, CA. © 2008.

COURSE DESCRIPTION/GOALS:

Biological anthropology is the study of human biology within the framework of evolution. This course is divided into three parts. Part I covers the basics of evolution and natural selection, as well as the fundamental genetics necessary for understanding the mechanics of inheritance. Part II presents a survey of the primates, introduces the variety of social systems found in these animals, and presents an evolutionary framework for the study of social behavior. The fossil record for non-human primate evolution is also briefly considered. Part III covers the fossil evidence human evolution. Each section of the course contributes to an overall understanding human biology and the process of evolution.

COURSE REQUIREMENTS:

There will be four multiple choice exams -- one on each of the three sections of the course and a cumulative final. You need to take three of the four exams. If you choose to take all four, your lowest exam score will be dropped (see next page). Class attendance is required, and ANTH 1011L (the Biological Anthropology Laboratory) is a co-requisite. This course cannot count towards Natural Science Core requirements without the lab!

HELP:

Biological anthropology can be difficult if you have limited experience with the natural sciences. If you need help, there are many options available to you. I strongly encourage you to take advantage of them as soon as you realize that you need them. These options are as follows:

The Enhanced Learning Center: The ELC is a campus-wide academic support service available to you free of charge for ANTH 1013 and other courses. The ELC provides tutoring, academic success workshops, academic consultation, and supplemental instruction. The ELC is located in Gregson Hall, garden level. Visit their facilities or their website at <http://elc.uark.edu>.

Your 1011L Teaching Assistant: Your ANTH 1011L laboratory section should have no more than 15 students. As such, you will have an opportunity to get to know, and interact with your TA on a weekly basis. Take advantage of this opportunity to ask questions, and make sure you are keeping up to speed with ANTH 1013.

Professor Ungar: If you need further assistance, please do not hesitate to visit me in my office during the hour preceding class. If this is an inconvenient time, please e-mail me to arrange an appointment.

OTHER INFORMATION

This is a HUGE class (nearly 350 students registered). That said, there are few rules that have been adopted to allow the class to run smoothly, and to minimize disruptions to allow you and your fellow classmates to get the most out of the course. I am afraid that there can be no exceptions to these policies.

Classroom disruptions

- **Please keep cell phones off during class.** We have had problems with text messaging answers during examinations, so please keep cell phones away during examinations.
- **Please do not get up and leave before the end of class.** If you know in advance that you have to leave early one day, please sit in the very back of the classroom to avoid disrupting your classmates.
- **Please do not carry on conversations during class.** It is often easier for neighbors to hear you than to hear your instructor.

Additional examination and grade details

- With nearly 350 students, examination schedule conflicts come up. Because of this, students are only expected to take three of the four examinations. If you choose to take all four, your lowest grade will be dropped.
- Course policy does not allow for makeup tests, and examinations will only be offered at the scheduled time and date. Please bear this in mind as you plan your missed class days during the semester, and your plans around final examination time.
- Your exams will be 50 multiple choice questions (green scan-tron sheets). Each exam will be equally weighted, and your final grade will be assigned based on the following “curve”:

A ≥ 85 %
B = 75% - 84%
C = 65% - 74%
D = 55% - 64%
F < 55%

Final details

- This course cannot count for the Natural Science Core requirement without the lab, so you must take both 1013 and 1011L.
- Regarding inclement weather, class will be cancelled if the university is closed. If the university is open and the weather is inclement, you can call my office at 575-6361, and a message will be recorded if class is to be cancelled.
- Students are expected to abide by the *Policy on Academic Honesty* as published in the Undergraduate Studies Catalog.
- Enjoy! This should be a fun class, and a great chance for you to learn something about a subject that most students only have minimal exposure to outside of a university setting.

CLASS SCHEDULE (subject to change):

Part I. Genetics, Evolution, and Human Variation

Week 1	
21 Aug	An introduction to biological anthropology <u>Reading:</u> Chapter 1
23 Aug	History of evolutionary theory <u>Reading:</u> Chapter 2
Week 2	
28 Aug	The biological basis of life <u>Reading:</u> Chapters 3
30 Aug	Cells, chromosomes and DNA <u>Reading:</u> Chapter 3
Week 3	
4 Sept	Patterns of inheritance <u>Reading:</u> Chapter 4
6 Sept	Evolution today <u>Reading:</u> Chapter 4
Week 4	
11 Sept	Human variation I <u>Reading:</u> Chapter 15
13 Sept	Human variation II <u>Reading:</u> Chapter 16
Week 5	
18 Sept	Growth and development <u>Reading:</u> Chapter 17
20 Sept	EXAM #1.

Part II: Primate Ecology and Evolution

Week 6	
25 Sept	Primate trends and behavioral ecology <u>Reading:</u> Skim chapters 6 - 8
27 Sept	An introduction to primate ecology <u>Reading:</u> Chapters 7
Week 7	
2 Oct	Strepsirhines, tarsiers & NW monkeys <u>Reading:</u> Chapter 6
4 Oct	A survey of OW monkeys & apes <u>Reading:</u> Chapter 6
Week 8	
9 Oct	An introduction to primate sociobiology <u>Reading:</u> Chapters 8
11 Oct	Affiliation, aggression, cultural behavior <u>Reading:</u> Chapter 8
Week 9	
16 Oct	An introduction to paleontology <u>Reading:</u> Chapters 5, 9
18 Oct	Early primate evolution I <u>Reading:</u> Chapter 9
Week 10	
23 Oct	Early primate evolution II <u>Reading:</u> Chapter 9
25 Oct	EXAM #2.

Part III: Human Evolution

Week 11	
30 Oct	The Piltdown hoax and defining hominins. <u>Reading:</u> Chapter 10
1 Nov	The earliest hominins #1 <u>Reading:</u> Chapter 11
Week 12	
6 Nov	The earliest hominins #2 <u>Reading:</u> Chapter 11
8 Nov	Early <i>Homo</i> <u>Reading:</u> Chapter 12
Week 13	
13 Nov	Middle Pleistocene <i>Homo</i> <u>Reading:</u> Chapter 13
15 Nov	Origins of anatomically modern <i>H. sapiens</i> <u>Reading:</u> Chapter 14
Week 14	
20 Nov	Upper Paleolithic art, culture and language <u>Reading:</u> Chapter 14
22 Nov	Thanksgiving Break!
Week 15	
27 Nov	Race and gender <u>Readings:</u> Review chapter 15
29 Dec	Overflow, review
Week 16	
4 Dec	EXAM #3.

Final Exam: Monday, December 10th, 10:00PM – 12:00 PM.