Anthropology 201
Concepts and Methods in Biological Anthropology

Lecture TTH 10:00-11:15 Pierce Hall 102
Lab Th 2:30 Language 102
Fall Semester, 2003
Instructor: Dr. Wendy Dirks
Office: Seney Hall 214C
Office Hours: Monday and Wednesday 2:00-4:00 or by appointment. I will be very flexible in scheduling appointments, so please feel free to come and see me with any concern or question.
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Textbook: Jurmain R, Kilgore L, Trevathan W, and Nelson H (2003) *Introduction to Physical Anthropology* 9th Edition. Belmont, CA: Wadsworth/Thomson Learning.

Internet resources:
http:www.skeletons.org – A fun interactive website in which you can compare a baboon, a gorilla, and a human skeleton, bone by bone.
http:www.becominghuman.org – Lots of information onhumna evolution, with nice video clips
http://www.primate.wisc.edu/pin/ - The Primate Info Net – great links and information on primatology and primatologists.

The following organizations have websites that you might find useful:
American Society of Physical Anthropologists
http://www.physanth.org
American Society of Primatologists
http:www.asp.org
Paleoanthropology Society
http://www.paleoanthro.org

Goals of the Course:
Biological anthropology focuses on humans as biological organisms in an evolutionary context. In this course, we will have two primary goals. The first is to develop and demonstrate a basic understanding of human evolution and biology, including evolutionary theory, our place in nature as primates, the human fossil record, human variation, and human growth and development from an evolutionary perspective. Our second goal is to develop an understanding of the methods used by biological anthropologists to study human evolution and biology. Students are expected to demonstrate the following:

1. An understanding of human evolution and biology on quizzes and exams;

2. An understanding of the methods used by biological anthropologists to study human evolution and biology through laboratory exercises and homework assignments.

Student Requirements for Completing the Course:

1. There will be two in-class exams, each worth 25% of the final grade. These exams will in a short answer/essay format. There will be a midterm and a final laboratory exam, based on the laboratory exercises, each worth 25% of the grade Makeup exams will be given only under conditions of a documented severe illness or serious emergency. Each exam will be worth 100 points.
2. The final grade will be an average of the four exams.
3. The grading scale is as follows:
   A = 90 pts or above
   B = 80-89 pts
   C = 70-79 pts
   D = 60-69 pts
   F = less than 60 pts

Course policies:

The syllabus is subject to change, except for the final exam time. I want to be flexible in allowing for unexpected or interesting developments that we may want to discuss in class.

All students are expected to be familiar with, and abide by, the Oxford College Honor Code. Cheating and plagiarism will not be tolerated.

Class Outline

Week of:	**Topic**	**Reading**
Aug 28	Introduction	Chapter 1
Sep 2	History of Evolutionary Theory Genetics I LAB: Video – Darwin's Dangerous Idea	Chapters 2, 3
Sep 9	Genetics II Primates I LAB: Genetics	Chapter 4 Chapter 5
Sep 16	Primates II: LAB: Osteology I - Identification	Chapter 5 Chapter 6
Sep 23	Primates III LAB: Zoo Trip	Chapter 6 Chapter 7
Sep 30	Primates IV MIDTERM EXAM I	Chapter 7 Jurmain et al. Chaps 1-7
Oct 7	Primate Evolution LAB: Osteology II -	Chapter 8

	Systematics	
Oct 16	NO CLASS	
Oct 21	Paleoanthropology MIDTERM EXAM II (LAB)	Chapter 9
Oct 28	Early hominins LAB: Bipedalism	Chapter 10
Nov 4	*Homo erectus* LAB: Fossil Record I	Chapter 11
Nov 11	Neandertals LAB: Fossil Record II	Chapter 12
Nov 18	Modern Humans LAB: Teeth	Chapter 13
Nov 25	Population Genetics	Chapter 14
	Human Variation LAB: Demography & Nutrition	Chapter 15
Dec 2	Growth and Development LAB: Demography & Dental Histology	Chapter 16
Dec 9	FINAL EXAM I	Jurmain et al. Chaps 8-16
Dec 16	**FINAL EXAM II 9:00AM**	**LAB EXAM**