

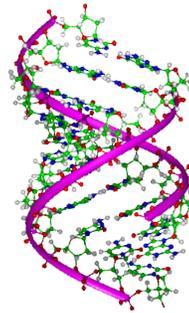


PHYSICAL ANTHROPOLOGY



Professor Autumn Cahoon

Physical Anthropology



COURSE DESCRIPTION

This course covers a broad range of topics that will be grouped into three areas of concentration.

- 1) Human Variation – the scientific method, basic cell biology, basic genetics and DNA, the biological basis of heredity, mechanisms of evolutionary change, the history of evolutionary thought, and human adaptation.
- 2) Primatology – the characteristics of primates, their behavior, and their evolution
- 3) Paleoanthropology – the fossil evidence for human evolution, the nature of the fossil record, and the evolution of human behavior, intelligence, and uniqueness.

CONTACT INFO

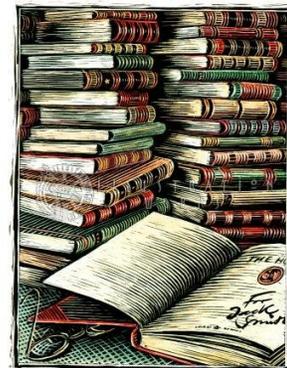
- ACahoon@sierracollege.edu
- Office: V231
- Office Hours:
M 2-3pm

CATALOG DESCRIPTION

Broad introduction to the science of physical anthropology. Topics include: the field of anthropology, the scientific method, evolutionary theory, genetics and inheritance, human variation, biology and behavior of living primates, and fossil evidence of human evolution. (CAN ANTH 2)

REQUIRED TEXTS

- 1) *Physical Anthropology* by Stein and Rowe 10th edition
ISBN: 0073405310
- 2) *Annual Editions: Physical Anthropology 11/12*
ISBN: 0078050693—DO NOT purchase an older edition!!!



GRADING

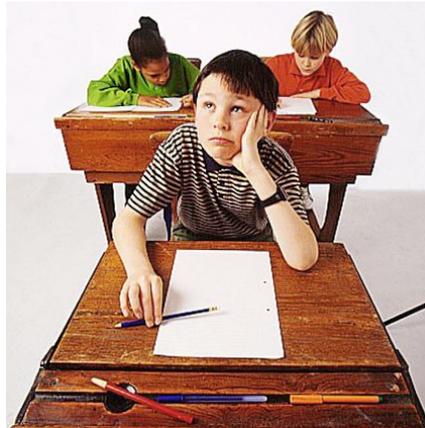
Exams (300 pts)

This course is based on three (3) exams that are 100 points each.

All exams are objective, i.e. multiple choice, matching, true/false, and fill in the blank. Exams are not cumulative in content, but you are expected to gain conceptual tools are the semester progresses. Exams are worth 60% of your grade and are NOT curved in any way. Exams are administered online in the class Blackboard site. Each exam will be available for **2 days only**. I will not release exams early or late, if you do not take the exam during the time it is available, you will receive a zero for that exam. Exams will begin at 1:30pm and end at 11:55pm on the dates listed.

Exams are non-cumulative and online!

NOTE: Because the exams are online, you may use your notes, book, friends, etc. to help you, however, the exams are timed and you will have



only 90 minutes to complete the exam – the same as if you were to take it in class. If you go over the allotted time, you will lose one point for each minute past. You cannot begin the exam at one time then come back and finish it later, once you begin, you must finish.



So, it is important to study before logging on to take the exam and make sure you will not be interrupted while taking it. If you leave the blackboard shell for any reason while taking the exam (instant messaging, opening a new window/changing between windows, etc.) you will be locked out of the exam. I will not reset exams for any reason if you are locked out! Also, be aware that each student's exam is different. The computer picks a random 50 questions for each person's exam, so two people who sit down together to take the exam will not have the same test and may not even have a single question that is the same.



Quizzes (150pts)

There will be 16 quizzes on articles from the Annual Editions Physical Anthropology book (plus a practice). Each quiz will be worth 10 points and I will drop your lowest quiz score, for a total of 150 points. Quizzes are administered online in Blackboard – there is a separate link for quizzes. Each quiz set will be available for **4 days only**. I will not release a quiz early or late, if you

do not take it during the time it is available, you will receive a zero on the quiz. You will have 15 minutes to take each quiz. Quizzes will be available one each week over the course of the semester. They will begin at 12:05am Mon and end at 11:55pm Thurs. (Schedule on page 3)

QUIZ DATES (ANNUAL EDITIONS TEXT)

1	Pg 32	Why Should Students Learn Evolution?	1/23–1/26
2	Pg 15	Evolution in Action	1/30–2/2
3	Pg 207	Dr. Darwin	2/6–2/9
4	Pg 211	Curse and Blessing of the Ghetto	2/13–2/16
5	Pg 168	Skin Deep	2/20–2/23
6	Pg 202	The Inuit Paradox	2/27–3/1
7	Pg 70	What are Friends For?	3/5–3/8
8	Pg 84	Mothers and Others	3/12–3/15
9	Pg 39	2% Difference	3/19–3/22
10	Pg 47	Got Culture	3/26–3/29
11	Pg 80	What's Love Got to do With It?	4/9–4/12
12	Pg 59	Why are Some Animals so Smart?	4.16–4/19
13	Pg 98	The Human Family's Earliest Ancestors	4/23–4/26
14	Pg 103	Scavenger Hunt	4/30–5/3
15	Pg 130	Rethinking Neanderthals	5/7–5/10
16	Pg 139	The Great Human Migration	5/14–5/17

Extra Credit

Blog (50 pts)

You are required to complete at least 5 blog posts worth 10 points each. Blogs are completed on Blackboard. There will be at least 10 blog prompts over the course of the semester, each available for one week only—though Sunday at midnight. Think of these as one page informal writing assignments, though you must use proper grammar, terminology, etc.

Online Writing Assignments! No more printing or wasted paper!

You may earn 15 points of extra credit by completing 3 article reviews (5 points per article) from the Annual Editions text. **These articles must be different from those required for quizzes or blogs.** For each article, write a one page summary/critique and submit it in blackboard. You may also take a trip to the zoo – instructions can be found in blackboard. There *maybe* other opportunities throughout the semester to earn more extra credit points. As these become available, they will be announced in class and posted on Blackboard. Total extra credit cannot exceed 50 points.

Final Grades



- **Total points can be found at any time during the semester by looking at the MyGrades tab on Blackboard.**
- **Blog grades will be posted twice during the semester—about half way through and at the end of the semester—if you want to know how you are doing on these, just ask!**
- **At the end of the semester, you can figure your final grade by adding up all your points and dividing by 5.**
- **Grades are not curved in any way!**
- **90.0-100% = A**
- **80.0-89.9% = B**
- **70.0-79.9% = C**
- **60.0-69.9% = D**
- **59.9% and below = F**

Make-up Policy

As the quizzes and exams are available to be taken for several days, make-ups are not allowed. If you fail to take a quiz during the time it is available, it will count as your lowest score and will be dropped. If you fail to take an exam during the scheduled time, you will be allowed to take a cumulative final exam online in Blackboard during the last week of the term (May 14-17) to replace the missed exam score. You **MAY NOT** take the cumulative final to improve a low test score.

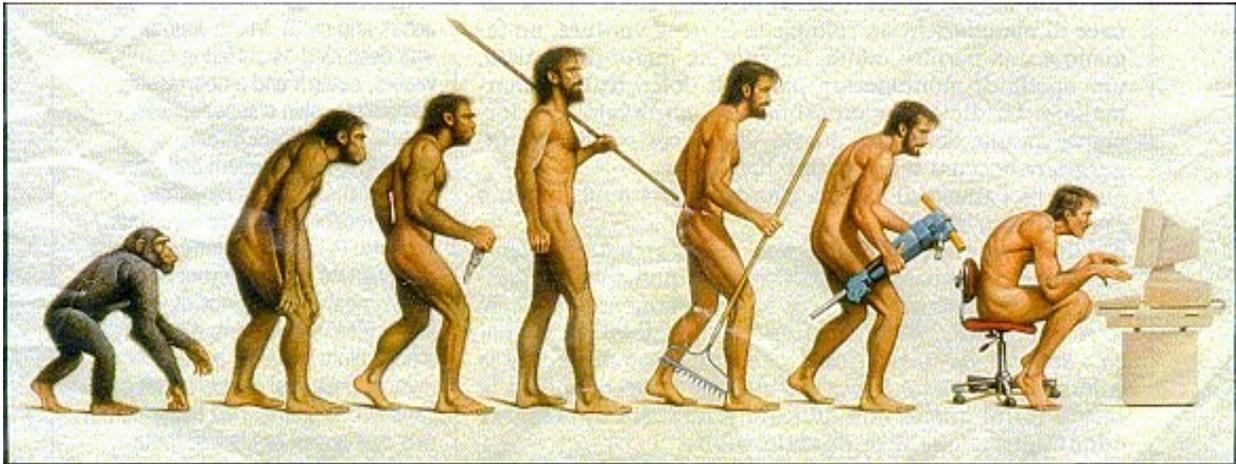
ACADEMIC HONESTY

If a student is found cheating on any of the assignments/exams in this course, the student will receive a zero for that assignment. If the assignment is a quiz, this score will not be counted as the low score for dropping purposes. If it is an exam, the student will not have the option of taking the cumulative final to make up the zero. Cheating includes working together on non-group assignments!

ATTENDANCE

Class attendance is *strongly recommended* for the successful completion of this course. My lectures follow the book to some degree, but there is a vast amount of information in the book that we will not have time to cover in class. Exams will come primarily from lecture material and there will be a good amount of material covered that is

not in the text. Partial Powerpoint lectures *MAY* be posted in Blackboard for one day before and one day after they are presented in class. After that time, I will not re-release them on blackboard prior to the exams, and I will not give out my notes for any reason.



CLASSROOM RULES

There is to be no use of cell phones, iPods, blackberrys, etc. during class hours. You may use them before class, but they must be **put away** prior to the beginning of class! Laptops may be used to take notes, but if laptop use is abused (for example playing games, sending emails or IMs, or otherwise not taking notes relevant to the class), the use of laptops during class will be revoked.



DROP POLICY

If you miss 2 classes in the first 2 weeks for any reason you will be dropped from the class. After that time, it is the student's responsibility to drop this class if you cannot continue for any reason. The instructor **WILL NOT** drop you for failure to attend. If you stop attending class and do not formally drop, you will receive an F in the course.

Emergencies: If you have an emergency which makes it impossible to complete the course see me to discuss an incomplete. Incompletes will only be given in extenuating circumstances with documentation provided.

CLASS SCHEDULE

Date	Topic	Readings
1/23	Introduction to Class, Anthropology, and Science	Chapter 1
1/25	Cell Biology	Chapter 2
1/30	Cell Division	Chapter 2
2/1	DNA	Chapter 3
2/6	Inheritance	Chapter 3
2/8	Human Genetics	Chapter 4
2/13	Population Genetics	Chapter 4
2/15	Forces of Evolution	Chapter 5
2/20	Presidents Day—NO CLASS	
2/22	History of Evolutionary Theory	Chapters 4 and 5
2/27	History of Evolutionary Theory	Chapters 4 and 5
2/29	Human Adaptation	Chapters 16 and 17
3/5	Human Adaptation	Exam 1 Begins
3/7	Species, Speciation, and Primate Classification	Chapters 6 and 7
3/12	Primate Adaptation	Chapter 8
3/14	Strepsirrhines and Video	
3/19	Haplorrhines	
3/21	Ape Intelligence	Chapter 9
3/26	Video	
3/28	Time, Dating, and Geology	Chapters 11 and 12
4/9	Primate Evolution	Exam 2 Begins
4/11	Hominid Origins and Bipedalism	Chapter 12 pg 279-283
4/16	Earliest Hominid Ancestors	Chapter 13
4/18	Australopithecines	Chapter 13
4/23	Rise of the genus Homo	Chapter 14
4/25	Instructor at Conference—Online Assignment	
4/30	Homo erectus	Chapter 14
5/2	Archaics and Neandertals	Chapter 15
5/7	Modern Humans	Chapter 15 and 16
5/9	Migration out of Africa	
5/14	Video	
5/16	Video	Exam 3 Begins