Introduction to Physical Anthropology
ANTH 001 (Section 3, Call number 80146) Fall 2008

Syllabus

Lecture MWF 11.00-11.50 AM
MND 3011

Instructor: Dr. Roger Sullivan
Office: MND 4024
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Course Description
ANTH 001 is an introduction to the study of human evolution as both:

- a biological and cultural process
- a history of human origins as revealed in the fossil record.

The course material is organized into three sequential areas of study reflecting the diverse sub-disciplines of Physical Anthropology. These are:

1. Human Evolution and Variation: an introduction to the scientific method, history of evolutionary thought, basic evolutionary genetics, mechanisms of evolutionary change and human adaptation.

2. Primatology: an introduction to the non-human primates, primate characteristics, classification, behavior and evolution.

3. Paleoanthropology: an introduction to the practice and methodologies of paleoanthropology, the fossil evidence for primate and hominid evolution, and the evolution of human bio-cultural adaptations.

Catalog Description
ANTH 001. Introduction to Physical Anthropology. The place of humans in nature; the geologic environments; the nature of life; human evolution, reproduction and genetics; humans as primates; the human fossil record; the classification and distribution of races. 3 units. Introduction to Physical Anthropology fulfills the Area B2 (Life Forms) requirement for the General Education Program.

Required Texts

Attendance
Class attendance is expected. Examinations are structured around lecture content, not the textbook.

Class Conduct
Turn off cell phones during class time. Be punctual. Inform me beforehand if you must arrive late because of work commitments. If your commitments require you to leave class early, let me know before class.

Academic Honesty. If a student is found cheating in any of the assignments/exams of this class, the student will receive an F for that assignment/exam. It is each student’s responsibility to be aware of the university policy on cheating and plagiarism. See the CSUS Academic Honesty Policy and Procedures document at http://www.csus.edu/umanual/student/UMA00150.htm
Grading
All grades are posted on the class web site and are identified by a unique student ID – your unique ID will be provided in class. The grading web page is password protected - the password will be announced in class. If you do not want your grading progress made available on the web page, let me know as soon as possible and you can obtain your grades from me directly.

Exams
There will be three (3) exams, each worth 25% of your total grade. Each exam is composed of 50 objective questions (i.e. multiple choice, true/false), and will be timed at 50 minutes. The three exams together are worth 75% of your total grade (3 exams x 25% each = 75%). Two exams will be conducted in class time at the end of each section of lectures, and one exam will be conducted during finals week. All exams are non-cumulative.

All exams are completed on SCANTRON FORMS. You are responsible for purchasing a *General Purpose NCS Answer Sheet Form # 4521* (scantron form) at the bookstore and bringing it to the exam. Scantrons are not returned in class. Grades are posted on the class website, or, you can pick up your scantron from my office during my office hours.

Make-up exams will only be allowed if the student can provide documented evidence of an emergency (e.g. illness or accident). Appropriate documentation should be on official letterhead and state the time of appointment or emergency. Handwritten notes from friends, relatives or roommates are not acceptable. Appointments for make-up exams or assignments must be made with the instructor immediately after the absence.

Study Guides are posted on the class web site.

Article Reviews
You are responsible for reading 10 articles available from LOCUS (http://locus.csus.edu/locus/index.php) and completing the attached review questions. These reviews are worth 25% of your final grade (2.5% each). Due to the large numbers involved, article review forms are not returned in class. If you want your review forms back, you can pick them up from my office during my regular office hours. Article review assignments are due in class! No assignments will be accepted by e-mail! NO LATE ARTICLE REVIEWS WILL BE ACCEPTED!

Extra Credit
You will also have an opportunity to complete an optional extra credit assignment worth 5% added to your final grade. See below for details.

Calculating Your Grade
Grades are calculated by adding up all of your exam and article-review scores to give a total score out of 100 (3 exams x 25% = 75%; 10 article reviews x 2.5% = 25%). Completion of the extra credit assignment will add up to an additional 5% to your final grade.

Article Review Schedule
Read the following four (4) articles from LOCUS and complete the attached review questions. Due date in class: Friday October 3 (exam one). NO LATE ARTICLE REVIEWS ACCEPTED.

- “A Theory Evolves”
- “Curse and Blessing of the Ghetto”
- “The Saltshaker’s Curse”
- “Black, White, Other”

Read the following three (3) articles from LOCUS and complete the attached review questions. Due date in class: Monday November 3 (exam two). NO LATE ARTICLE REVIEWS ACCEPTED.

- “What Are friends For?”
- “Got Culture”
• “98% alike?”

Read the following three (3) articles from LOCUS and complete the attached review questions. Due date in class: **Friday December 12** (last class). NO LATE ARTICLE REVIEWS ACCEPTED.

- “Scavenger Hunt”
- “Who Were the Neandertals?”
- “The Gift of Gab”

Instructions for Completing the Article Review Forms
Each of the articles is followed by a list of questions and spaces for your answers. Print out the question sheet(s). Write full responses to all questions - marks will be deducted for unanswered questions. Use all of the space provided for your written responses - marks will be deducted for answers that are too brief, or that are inarticulate or poorly composed. Do not copy straight from the readings - this is PLAGIARISM! Do not copy another student’s work - this is CHEATING! Students handing in identical work will receive an F. When you have filled out the questions, staple all of your answer pages together, and hand them in on the due date in class.

Optional Extra Credit Assignment: Zoo Project
You can add up to 5 percentage points to your final grade by completing this extra credit assignment. To be awarded the extra credit points you must visit the Sacramento Zoo and observe the behavior of **two different** primate species for at least 10 minutes each.

Your completed extra credit assignment must be typed, a **MINIMUM** of 2 double-spaced pages long, stapled, with 1” margins, 12 point type. Your assignment should include the following:
1) Your name and social security number
2) The genus and species names of the primates, as well as the common name.
3) A count of the individuals you see including whether they are adult males, adult females or juveniles.
4) A 1-2 paragraph summary of each primate species with a description of the behaviors they are engaged in for the allotted time. Do not copy all the information from the Zoo signs, describe behaviors you directly observe. Below are some examples of observations you should record:
   - Are they eating, if so, what?
   - Are they moving around, if so, how?
   - Are they grooming/interacting with each other?
   - Do you see anything specific or unique to this group or species?

Points will be awarded as follows: 20% for following the above directions, 40% for the first group observed, 40% for the second group observed.

Most of you will go to the zoo with others from the class. Be careful not to hand in identical or similar papers. Obviously, you will observe similar behavior at the zoo, but do your own report.

Due date in class: **Friday December 12** (last class)

**KEY DATES TO REMEMBER**
1. **Friday October 3. Exam One.** Four article reviews are due in class.
2. **Monday November 3. Exam Two.** Three article reviews are due in class.
3. **Friday December 12. Last Class.** Three article reviews and the optional extra credit assignment are due in class.
4. **Wednesday December 17. Exam Three (Finals Week).**
# Class Schedule

## Section 1: Human Evolution and Variation

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Text Readings</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>Sept 3 and 5.</td>
<td>pp. 1-20, 35-38</td>
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<tr>
<td>Topics</td>
<td>Introduction, Anthropology and the Scientific Method.</td>
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<tr>
<td>Week 2</td>
<td>Sept 8, 10 and 12.</td>
<td>pp. 18-39, 73-92</td>
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<tr>
<td>Topics</td>
<td>History of Evolutionary Thought, Mendelian Inheritance.</td>
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<tr>
<td>Week 3</td>
<td>Sept 15, 17 and 19.</td>
<td>pp. 41-52, 57-64, 52-57, 89-96</td>
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<tr>
<td>Topics</td>
<td>The Cell and Cell Division, Genes and Proteins.</td>
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<td>Topics</td>
<td>Forces of Evolution, Population Genetics.</td>
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<tr>
<td>Topics</td>
<td>Human Variation and Adaptation.</td>
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<tr>
<td>Fri Oct 3</td>
<td>Exam 1 (four article reviews are due in class today)</td>
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## Section 2: The Primates

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<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Text Readings</th>
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<tbody>
<tr>
<td>Week 6</td>
<td>Oct 6, 8 and 10.</td>
<td>pp. 109-120, 164-174</td>
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<tr>
<td>Topics</td>
<td>Classification and Speciation, Primate Adaptations.</td>
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<tr>
<td>Week 7</td>
<td>Oct 13, 15 and 17.</td>
<td>pp. 174-186</td>
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<td>Topics</td>
<td>Film - The Primates, Prosimians and New World Monkeys.</td>
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<tr>
<td>Week 8</td>
<td>Oct 20, 22 and 24.</td>
<td>pp. 186-196, 196-221</td>
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<tr>
<td>Topics</td>
<td>Old World Monkeys and Apes, Primate Ecology.</td>
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<td>Week 9</td>
<td>Oct 27, 29 and 31.</td>
<td>pp. 221-230, 106-109, 123-124</td>
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<td>Topics</td>
<td>Film - New Chimpanzees, Social Behavior.</td>
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<td>Week 10</td>
<td>Nov 3, 5 and 7.</td>
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<td>Mon Nov 3</td>
<td>Exam II (three article reviews are due in class today)</td>
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## Section 3: Paleoanthropology and Hominid Evolutionary History

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<tr>
<th>Topic</th>
<th>Text Readings</th>
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<tbody>
<tr>
<td>Paleonthropology Methods and Contexts.</td>
<td>pp. 233-264</td>
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<td>Week 11</td>
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<td>Week 12</td>
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<td>Week 13</td>
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<td>Fri Nov 28</td>
<td>Thanksgiving</td>
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Week 14.  Dec 1, 3 and 5.

Week 15.  Dec 8, 10, 12.

Fri Dec 12  Summary and Review
(three article reviews and the extra credit assignment are due in class today)

W Dec 17  Exam III  10.15 - 12.15  MND 3011