Anthropology 101: Human Biological Evolution

Spring 2018 Los Angeles Valley College
16 Week Class - Starts 2/5/2018 - 6/4/2018
Section 19797 TTh AHS 143 9:40 AM-11:05 AM
Instructor: Kenneth Feldmeier

What are your Learning Objectives?
Apply the scientific method to problem solving situations and formulate the procedural steps necessary for a scientific investigation.

Describe the process of evolution and speciation by employing the concepts upon which modern evolutionary theory is based and recognize examples of each.

Describe, apply, and distinguish the basic concepts of Mendelian genetics, cytogenetics, molecular genetics, and population genetics.

Compare and contrast the anatomy and behavior of humans and other living primates.

Categorize the important hominin fossils and construct a diagram illustrating the evolutionary history of the hominins.

Construct a probable scenario of early hominin behavior and describe the changes in hominin behavior that occur in the Homo genus.

Describe the physical differences observed among all human populations, including race, and determine the biological and cultural significance and distribution of these differences.

"The purpose of anthropology is to make the world safe for human differences".
Ruth Benedict
Grades?

What are the Quizzes?

There will be two quizzes given to ensure students are keeping up with the assigned classwork and assignments. The quizzes will cover the weeks leading up to the quiz and will serve as study guides for the section exams and are worth 25 points. If a quiz is missed, you will not be allowed to make it up without a doctor’s note.

What are the major hurdles? Exam/Mid Term Essay/Final

There will be one exam and a final each worth 100 points. The section exam will cover the information from the material given before the exam date; this information will include assigned readings, class notes, and handouts. The Exams will be a combination of multiple choices, true/false and an essay question. If an exam that is missed, for a student to make up the exam she/he must have a verified absence; i.e. doctors note and make it up with a week a of the exam date. This exam is will be all multiple choice and vocab. Bring a #2 pencil. You will have a mid term essay worth 100 points on primate behavior and physical characteristics. This essay will build on what we learned about natural selection and evolution and tie these topics into our closest living relatives.

In class and the Zoo observation assignments are designed to keep class fun and interesting. The assignments will highlight information that is essential to understanding physical anthropology. These assignments will include in class group work and homework assignments. Turning in assignments on time and working on them carefully will help you do well in this class. Late assignments will be docked 10 points per day it is missing. The Zoo observation will occur on your own. I will post a handout on the class website highlighting what you will be observing.

Attendance Policy/Important Dates

Attendance is a necessity. Due to the fact that this is a condensed five week course each class will have an abundance of information that will be used for exams and course work. If you do not drop the class on time you will receive a grade for the course.

Grade Breakdown:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
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<tbody>
<tr>
<td>Exams 1</td>
<td>100 pts</td>
</tr>
<tr>
<td>Mid Term Essay</td>
<td>100 pts</td>
</tr>
<tr>
<td>Reading quizzes (2) 25 points each</td>
<td>50 pts</td>
</tr>
<tr>
<td>In Class Assignments &amp; Projects</td>
<td>150 pts</td>
</tr>
<tr>
<td>Final Exam</td>
<td>100 pts</td>
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Final Grades will be calculated using a standard grade distribution: 90% above is an A, 80% and above is a B, 68% and above is a C, and 60% and above is a D.

Accommodations

If you are a student with a disability requiring classroom accommodations, and have not contacted SSD, do so in a timely manner. SSD is located in the Student Services Annex, Room 175 or call SSD at (818) 947-2681 or TTD (818) 947-2680 to meet with an SSD counselor. If SSD has already sent the memo to instructor confirming accommodations required by student for this class, please meet with me to discuss arrangements.

Link to Calendar:https://www.lavc.edu/getattachment/schedule/index/

Plagiarizing/Cheating

Plagiarism is the use of others’ words and/or ideas without clearly acknowledging their source. When you incorporate those words and ideas into your own work, you must give credit where credit is due. Plagiarism, intentional or unintentional, is considered academic dishonesty and is not tolerated. Anyone found to be plagiarizing or cheating on assignments (e.g., copying or giving answers, using ‘crib’ sheets, etc.) will (1) receive a zero (fail) on the assignment, and (2) be referred to the Vice President of Student Services for further disciplinary action, following due process. See the STANDARDS OF STUDENT CONDUCT AND DISCIPLINARY ACTION in the current Schedule of Classes and Catalog.

Attendance Policy prior to census date

Students who do not appear on my roster by the census date will not be allowed to attend the class. Students are able to add classes via Advanced Add Permit until prior to the start date.

Once the semester begins, students need an Add Permit with the instructor’s signature to add a course. Any enrolled student who does not attend the first day of class will be dropped unless they contact me before the second meeting. Any student who attends the first class meeting but misses a subsequent meeting during the first two weeks of the semester will be dropped unless they contact me before the next meeting.
<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Reading/Assignments/Exams &amp; Quizzes</th>
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| 1    | Introducing Anthropology and the Scientific Method | Read V. Fake News  
Read *Introduction to Physical Anthropology*  
Section 1.1-1.1.2 |
| 2    | Genetics  
Evolutionary Theory; Darwin and Beyond | CRISPER Article  
EVO Article  
Read *Introduction to Physical Anthropology*  
Section 2.2- 2.2.3.1.3 |
| 3    | Population Genetics & Microevolution | Quiz 1 Monday |
| 4    | Origin of Species & Macroevolution | Read *Introduction to Physical Anthropology*  
Section 2.3 |
| 5    | Taxonomy: Peoples Place in Nature | Exam 1  
Taxonomy Watch Video at home  
The History of Our Tribe: Hominini: pg 13 |
| 6    | The Living Primates | Class project—post apocalyptic world |
| 7    | Comparative Anatomy & Behavior | Locomotion exercise—lecture and video at home |
| 8    | Comparative Anatomy & Behavior | Read Ch. 7 Primate video  
Dim Forest Bright Chimp  
The History of Our Tribe: Hominini: Pg. 15-23 |
| 9    | Primate Behavior | The History of Our Tribe: Hominini: Ch 4 |
| 10   | Behavior | Mid-term Paper Due  
The History of Our Tribe: Hominini: |
| 11   | Fossils | Fossil Exercise  
The History of Our Tribe: Hominini: Ch 3 |
| 12   | Early Hominin | The History of Our Tribe: Hominini: Ch 5 & 8 |
| 13   | Early Hominin | Class Video  
The History of Our Tribe: Hominini: Ch 9, 10, 11 & 17  
Quiz 2 |
| 14   | Evolution of Homo sapiens | The History of Our Tribe: Hominini: Ch 22, 23, 27, 35 & 39 |
| 15   | Human Variation & Race | Ethnicity Article |
|      | Final | Final |