

Anthropology 111: Physical Anthropology Lab

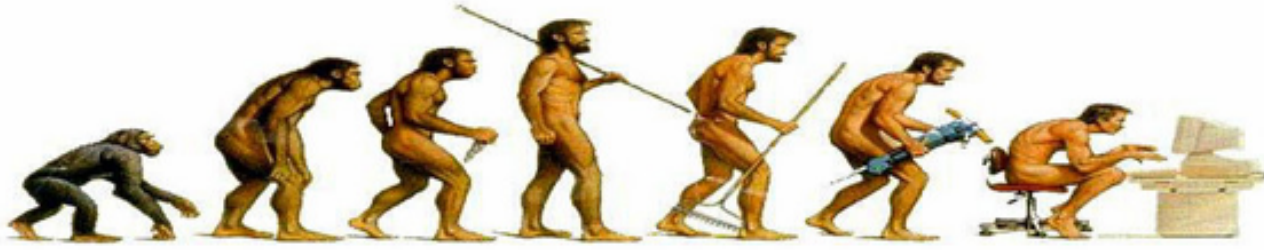


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Spring 2017 Los Angeles Valley College

Spring: 2/6/18 to 6/4/18

Section 20656/20660 T 11:20 AM-2:30 PM

Building: AHS 143

Class Text
The Lab
Manuel can
only be
purchased
in the LAVC
book store

Student Learning Objectives

- 1.) Analyze behavioral and observational data with the Scientific Method to understand human and non-human primate biology and evolution.
- 2.) Demonstrate and apply knowledge of skeletal anatomy to primate, hominin, and modern human evolution.

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

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Office Hours: 12:10PM-1:10 PM F

Course Description:

A laboratory course in physical anthropology designed primarily for non-science majors. A half-day field trip is required. This course focuses on the evolution of the human species and non-human primates primarily from the biological perspective. Topics include human heredity and population genetics, primate behavior and conservation, the human fossil record, and modern human variation.

Prerequisite or Co-requisite:
ANTHRO 101: Introduction to Physical Anthropology (Lecture)

Grades



VIVA LA EVOLUCIÓN

Whats the Plan

ZOO ASSIGNMENT

Students are required to complete one Zoo Project for the semester. Each student must make a personal trip to the Los Angeles Zoo or attend the class Zoo day on April 14th (If all goes well, or another zoo, if cleared with the instructor), and conduct one hour of primate behavioral observations. The assignment will begin in lab, the observations will be done at the zoo, and a write-up of the results is to be done on the student's own time. More details of this project will be discussed in class, and students will have several weeks to complete the project. If, for any reason, a student feels he or she will be unable to complete this assignment, he or she must contact the instructor immediately.

Class Safety Procedures and Protocols (in case of a classroom emergency)

Dial "7" on the Valencia Campus and "77" on the Canyon Country Campus

Evacuation plan posted by classroom door

Grade Breakdown:

Exams	200 points	200 pts
Labs (14)	20 points each packet	300 pts
Zoo Project		50 pts
Total		550 pts

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.

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/ Important Dates

Attendance is mandatory. If you do not drop the class on time you will receive a grade for the course.

Deadline dates for short term classes are calculated by the variables below. Check with your instructor for special deadline dates.

Add	Feb. 16
Drop w/o a W	Feb. 20
Drop w/ a W	May 7

Holidays

Feb 17th

March 31st

Spring Break: April 1-7

Lab Assignments

Each lab assignment is used as study guides for section exams. Every class you will have to complete a lab assignment with your group members that will be turned in at the end of class worth 25 points. I will also periodically assign handouts which are done individually, worth 10 points.

Exams

There will be a mid-term and a final exam each worth 100 points. This section exam will cover the information from the material given before the exam date; this information will include assigned readings, class notes, and handouts. 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.

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.

WEEKLY ATTENDANCE

- (1) Attendance at every lab session is **mandatory**. The attendance standard at LAVC is that “any student may be dropped from a course if (s) he is absent one more time than the class normally meets in a week during the regular semester.” Consequently, if you are absent more than three (3) class hours (i.e. one full class period) you may be dropped. However, you will not be automatically dropped from the course by the instructor unless you are a “no-show” at the first class meeting, or you are later dropped for failure to adequately perform in the course or for a serious disciplinary infraction (see below). All other “drops” are the responsibility of the individual students.
- (2) A course grade of “WF” will be assigned to any student who stops attending class for any reason, or is a “no-show” for an exam, and does not officially “drop” the course in the Admissions and Records Office. Please consult the current Schedule of Classes, or log on the college website at https://www.lavc.edu/schedule/library/docs/LAVC-Spring-2017-Calendar_WEB.aspx for the “withdraw” and “drop” dates for this session.
- (3) Your lab workbook and binder will be checked periodically throughout the semester, so bring it to each class meeting or you may forfeit your grade for that lab. Scheduled binder checks will be announced throughout the semester.

LAB RULES

- (1) **Read the required workbook chapter before each lab. All lab assignments are checked before students leave class, and all “Self-Tests” in each chapter are due at the beginning of the next class; however, DO NOT attempt to complete any of the actual lab exercises before doing the actual work in the lab.** Bring your lab manual/workbook, notebook and writing materials to every lab session. As indicated above, you cannot earn points for lab work completed by the class on a day that you were absent. However, *do* ask the instructor for copies of any lab handouts that were distributed — they will be needed for your exam reviews.
- (2) **Written “Lab Exercises,” and handout problems must be your own personal work product. Very important: Do not fabricate, invent or “make-up” any data that you have not actually obtained from or has not resulted from an in-class lab exercise. Also, do not copy lab data from or provide data to others, or use anyone else’s calculations, problem solutions, answers to questions or essays as your own work.** Students found to be involved in copying or providing information for copying by others will be sanctioned. Do the right thing— always do your own work.
- (3) **Be on time for each lab session and remain until the day’s work has been completed.** You and your lab partner(s) will take one (1) fifteen (15) minute break during the lab period. Most lab sessions begin with a briefing on the work to be done that day and important announcements are usually made early in the lab period—additional incentives to be present and on time for each lab.
- (4) **Exercise caution when working at and moving between individual lab stations.** Store personal possessions underneath the lab benches and/or in the side drawers—not on the lab bench tops—when you first enter the lab. Avoid making unnecessary noise, loud talking and extended personal conversations. While you are encouraged to be sociable and cooperative, keep “visiting” to a minimum.
- (5) **Exercise care in the use of laboratory instruments and materials.** Review instructions carefully for each lab station before starting work. Do not move materials from one lab station to another and when an activity is completed return the area to the original condition for the next student(s). Clean up bench tops and surrounding areas and return all lab equipment and supplies to designated areas before leaving at the end of the period.
- (6) **Report any damage or breakage—especially any injury—to the instructor immediately.** Use laboratory equipment (especially measurement instruments and microscopes) and all chemicals and biologics with great care and only according to instructions provided and after asking questions about anything you don’t understand. Treat the anatomical and fossil materials used in the laboratory (e.g. casts, skeletons and especially human remains) with care and respect.

Financial Aid

Financial Aid is available! Call (818) 947-2412. Go to the Financial Aid Office in the Student Services Center, first floor. For more info, go to <http://www.lavc.edu/financialaid/index.aspx>.

Statement for Student Success

Student success depends in part on a clear definition of one’s goals and objectives. LAVC’s Student Success webpage has a number of checklists and resources to assist in identifying and clarifying your options. <http://www.lavc.edu/>

Tentative Lab Schedule

Week	Topic	Reading/Assignments/ Exams & Quizzes
1	Exercise 1 Class intro and how to use the tools.	Exercise 1.1-1.4
2	Exercise 2 Natural Selection Start Exercise 3	Exercise 2.1 RA Activity Exercise 3
3	Exercise 3 & 4 Genetics the Basics Exercise 4 Hardy-Weinberg Equilibrium Evolving Populations	Punnet Square Handout Exercise 3.2-3.3 Exercise 4.1-4.2 (maybe)
4	Exercise 5 Human Osteology: The Skull Exercise 6	Exercise 5.1-5.4
5	Exercise 7 Human Osteology: Postcranial Skeleton Exercise 8 Anthropometry of the Human Body	Exercise 7.1-7.3 Exercise 8.1-8.3

7	Exercise 8 Anthropometry of the Human Body	Exercise 8.1-8.3 Study for Mid-term
8	Exam 1	Exam on all material up to this date First part of class study session Exam last part Zoo prep 9.4
9	Spring Break!!!	
10	Exercise 9 The Living Primates	Exercise 9.1-9.3 Zoo prep 9.4
11	Exercise 10 Comparitive Anatomy of the Primate Skull Exercise 11 Comparitive Anatomy of Primate Dentition	Exercise 10.1-10.7 Exercise 11.1-11.4
12	Exercise 12 Comparitive Primate Postcranial Anatomy Exercise 13 Primate Behavior	Exercise 12.1-12.7

14	Exercise 14 The Hominin Fossils: Bipedal Apes & Australopithecines	Exercise 14.1-14.3
15	Exercise 15 The Hominin Fossils: The Genus Homo Maybe Exercise 16 & 17	Exercise 17.1-17.4
16	Final	