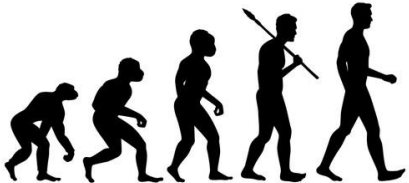


Course Syllabus

# ANTHRO 101 : Human Biologic Evol (15793)

## *Human Biological Evolution*

### *Anthropology 101*



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Professor J. Rigby, Ph.D. (ABD)

Catalog Description

3 units transferable to UC and Cal State as

Lecture Biological science

Professor Jeff Rigby, Ph.D. (a.b.d)

Prerequisite: None

Course Description:

## *Human Biological Evolution*

### *Anthropology 101*

Catalog Description

3 units transferable to UC and Cal State as

Lecture Biological science

Professor Jeff Rigby, Ph.D. (a.b.d)

Course Description:

### **Anthropology (ANTHRO)**

101 Human Biological Evolution (3) UC: CSU IGETC Area 5B (C-ID ANTH 110)

LECTURE, 3 HOURS.

This course explores the field of physical anthropology emphasizing the evolution of the human species. Topics will include human heredity, mechanisms of evolutionary change, human variation, and the reconstruction of human evolutionary history through the study of the fossil record and the study of our closest biological relatives, the living monkeys and apes.

**16-WEEK CLASS. THIS CLASS WILL BE HELD IN-PERSON, ON LAHC CAMPUS (M,W 12:15-1:40pm/Room Harbor College-Nea 125). Interaction in Canvas and/or other online environments will be required outside of scheduled class time.**

## Texts and References

### Required Reading

- Clark Spencer Larsen

Our Origins-Discovering Biological Anthropology, 5th ed, 2020. ISBN-9780393680676. Or more recent edition just not an older one.

Order Digital Textbook online (Recommended): see the link for Norton Launch site at top of modules. Get your book ASAP! Saying you ordered the textbook and it is taking weeks to get, does not constitute an excuse for late inquisitive assignments. This is all you need and what I recommend. Cheapest, fastest way to get. Go to the top of the modules and order it. This includes the inquisitive.

Ebook for *Our Origins*

\$69.95 USD Includes access to InQuizitive and Videos & Animations.  
180-day access

Regardless of whether you buy the book directly from the Norton publisher, the college bookstore, or somewhere else, you need to register with the Norton LMS system to link with my grade book for Inquisitive homework submissions. You can do this in the link for Norton Launch Website at the top of the modules. Once you go to the link, press purchase options. Order an ebook for Our Origins (This is the cheapest and fastest way to get the book. Get the inQuizitive for our origins (Required) and press on free Videos and Animations for Our Origins. When you order the inquisitive here, it should allow you to deposit your homework into my gradebook. Do not order an ebook for the lab manual. You won't need that one.

**The Inquisitive Workbook is required and will be part of your course grade. If you are not linked I won't get your homework assignments! Do not order the free trial version of the inquisitive since it will not send the grades to my gradebook.**

The homework assignments will be due weekly. I have found students who do the exercises typically increase their exam grade scores by one to two levels on the exams. I have asked the student bookstore to combine this with the Larsen Textbook to save money on the order. If you buy your book used or from some other place you

can order the inquisitive workbook from the Norton launch site at the top of the modules.

### Optional for extra credit books

- Zihlman

Human Evolution Coloring Book

Harper Resources, 2001 2<sup>nd</sup>, ISBN# 0-06-273717

Order book online (Recommended) No used coloring books will be accepted:-

[https://www.amazon.com/Human-Evolution-Coloring-Book/dp/0062737171/ref=sr\\_1\\_5?dchild=1&keywords=Human+Evolution+Coloring+Book+Harper+Resources%2C+2001+2nd%2C+ISBN%23+0-06-273717-1&qid=1621872069&sr=8-5](https://www.amazon.com/Human-Evolution-Coloring-Book/dp/0062737171/ref=sr_1_5?dchild=1&keywords=Human+Evolution+Coloring+Book+Harper+Resources%2C+2001+2nd%2C+ISBN%23+0-06-273717-1&qid=1621872069&sr=8-5)Links to an external site.

- Jared Diamond

The Third Chimpanzee

Harper Perennial, 2006, 3<sup>rd</sup> Ed, ISBN#0-06-084550-6

Order book online (Recommended)

[https://www.amazon.com/Third-Chimpanzee-Evolution-Future-Animal/dp/0060845503/ref=tmm\\_pap\\_swatch\\_0?encoding=UTF8&qid=1621872707&sr=8-11](https://www.amazon.com/Third-Chimpanzee-Evolution-Future-Animal/dp/0060845503/ref=tmm_pap_swatch_0?encoding=UTF8&qid=1621872707&sr=8-11)Links to an external site.

### Methods of Instruction

16-WEEK CLASS. THIS CLASS WILL BE HELD IN-PERSON, ON LAHC CAMPUS (Room Harbor College-Nea 125). Interaction in Canvas and/or other online environments will be required outside of scheduled class time.

Book reading using the inquisitive workbook, Rigby powerpoints, and modules having visual material: e.g. skeletal materials; pictures of fossils and archaeological artifacts; slides, and videotapes. Additional didactic techniques: and a field trip to the zoo.

### Course Objectives

A major objective of this course is to present introductory information on genetics including Mendelian, cellular and molecular genetics. The information on heredity is then applied to the presentation of the modern perspective of evolution and population

genetics. Additionally, the course focuses on the relationship of *Homo sapiens* to the natural world specifically our relationship to other primates. The concluding objective of the course is a survey of the fossil record of primate evolution with a major emphasis on human evolution.

## Methods of Instruction:

Powerpoint slide presentations, weekly inquisitive interactive homework and group discussion postings, videos/video clips, and a zoo research assignment.

## Course Description

- **Reading Assignments:** A schedule of assignments is given below for each section of the course. These and other weekly assignments are also clearly outlined in the canvas modules. The student will be expected to keep up with the reading material and the Inquisitive workbook on a weekly basis. I recommend reading each week's assigned material and interactively doing the inquisitive homework assignments before reading my power points and viewing videos.
- **Discussions:** The discussion questions (7 points per module) represent a significant part of your grade, about 16.7 % of all the points available for the class. There is one original posting with three follow-up questions for each module.
- You will be graded on how thoroughly you engage each topic. In order to maximize the number of points you get, you should post messages with original content and comment on the postings left by other students. Your discussion question grades will also be based on the timeliness of your postings. Leaving a slew of messages just before the closing date will be marked down significantly if you did not post messages earlier. Maximizing scores requires you to post multiple times per week over several days. Grading standards for the discussions can be found along with each question. **Discussion questions are due the Sunday of each week of the course (see assignments and modules). Discussions turned in late will have one point deducted per each day late after the deadline.**
- **Class Attendance:** Each time you log onto Canvas, a record of active online hours is made available to me and will be used in part as attendance. Also, each time you come to class you need to sign in on a sign in sheet that will be passed around. As a rule, if I see two weeks of inactivity you may be **dropped**. Please notify the instructor if you expect to miss online activities for an extended period of time. **It is the responsibility of the student to officially withdraw from the course through the Office of Admissions if such action becomes necessary; failure to withdraw may result in a grade of "F".** **The**

deadline for withdrawal is listed in the reading/exam schedule below. Unsatisfactory attendance after this last date to "W" may result in a lowered and/or grade of "F".

- **Videos:** Videos and video clips will be shown in each module. Students are expected to take notes and take the short quiz listed after most of them. These scores will constitute 1.5% of your course grade. Video questions are due the Sunday of each week of class. Discussions turned in late will have a .5% point deducted per each day late after the deadline.

**Methods of Evaluation:** Exams will cover key terms and concepts from your required text with Rigby PowerPoint and video overlap. The majority of the test questions are covered in the Inquisitive exercises, module file cards, and key terms and concepts at the end of each chapter. There will be five multiple-choice exams, inquisitive workbook exercises, video quizzes, and a zoo field trip assignment and term paper making up your course grade. **The lowest grade of the first four exams will automatically be dropped.** The breakdown of the scores will be as follows:

Exam	100 pts.	16.7%
Exam	100 pts.	16.7%
Exam	100 pts.	16.7%
Exam	100 pts.	16.7%
Online Weekly Discussions	100 pts.	16.7%
Zoo project	30 pts.	5%
Inquisitive homework	60 pts.	10%
Video quizzes	10 pts.	1.5%
<b>Total</b>	<b>600 pts.</b>	<b>100%</b>

There will be no makeup exams since the lowest score on the first four exams will be dropped. There are no exceptions to this rule. Please don't ask me to break the rules. Grading will be on a modified curve basis for each exam. The percentage-grade breakdown will approximate the following: 100-90%=A (Excellent), 89-80%=B (Above average), 79-70%=C (Average), 69-60%=D (Below average), below 60%=F (Fail).

#### Single Exam Grade Distribution

100-90 points	=	A
89-80	=	B

#### Course Grade Distribution

=	600-540
=	539-480

79-70	=	C	=	479-420
69-60	=	D	=	419-360
59-below	=	F	=	359-below

### How to prepare for your exams

Your test questions will all come from your Larsen textbook with Rigby PowerPoints and video overlaps. Steps you should follow (in this order) to do well:

1. The inquisitive workbook exercises will help you to focus on the most important material in your book.
2. Fill out the flashcards in each module.
3. Review the Rigby PowerPoints in each module. Students have told me that my PowerPoints really help them to confirm concepts from the book. Because I use different wording, things that they could not understand in the book become much clearer and ideas become more enforced. Therefore, although the questions on the tests are worded as in the book, my PowerPoints should really bring home hard-to-understand concepts.
4. At the top of each module, you will find the Learning Objectives. You should be able to answer these questions. If you can't, go back through the reading and find the answers.
5. Watch the videos provided in the modules. They will really help to visualize the material.
6. Before you take the test, review your file cards and go onto Quizlet.com. In the search bar type in Larsen, Physical (or Biological Anthropology) Chapter 1, 2, etc., and take the practice tests. Quizlet will try to get you to pay for the service but that is not necessary. Just type in the above material in the search bar. If you get any of the questions wrong, find the correct answer and take it or a different test again. The practice tests are very similar to those on the tests. **Practice tests are available through Quizlet: <http://quizlet.com/subject/larson-physical-anthropology-chapter-1/> chapter 2, chapter 3, etc.**

The total advised study time for each module is 4-6 hours. Do not procrastinate! Get started immediately or you will not do well on the tests. **Remember, there are no makeups for the exams since I automatically drop the lowest score (see above). Saying you forgot to take the test, or you had computer problems do not constitute valid reasons for missing them. Make sure you have the Canvas app loaded on your phone or have access to a second computer in case your primary computer has problems. Make sure you pace yourself while taking the test. If you get hung up on a question, move on**

and come back to it later. The clock is ticking and many students run out of time and don't complete the tests. Students often ask why they can't have more time on these tests. Forty-five minutes is standard for a 50-question multiple-choice test in colleges and universities. When we had Proctorio it was revealed that many students were trying to look up the answers to the tests. If you try doing this in a timed test you will run out of time and do poorly. You either know the material or you don't. Honesty and integrity are important to me and keeping our academic integrity at the college should be important to you as well. I want all of you to do well and learn something from this course. Just do the best you can!

### Animations/video clips

**Brief conceptual animations illustrating some of the most difficult concepts in biological anthropology are available in each of the modules. These will really help to reinforce student learning. After each video, there will be a short quiz to test your retention of the material**

Topics for the animations include:

Mendel's Pea Plants, Mitosis, Meiosis, From DNA to a Protein, DNA Replication, Reproductive Isolation, sickle-Cell Anemia, Quadrupedalism vs. Bipedalism, Recognizing Primate Morphology, Kin Selection, Sexual Selection, Dating Methodologies, Primate Migration, Darwin's Theory of Natural Selection, Distinguishing Different Types of Primates, Early Human Behavior, Early Stone Tools, Human Variation, Forces of Evolution, Primate Social organization

### Videos

There are several videos with video quizzes listed in your modules. These are worth 0.62 points each or 10 pts (10 pts total, 1.5% total course grade). These videos provide visual reinforcement for learned material.

### InQuizitive

I have requested that the college bookstore bundle inquisitive with your Larsen textbook since it is required for the course. It can also be purchased through the Norton website and downloaded for \$20 ( See back book cover or Norton Book Launch site at top of modules). Inquisitive offers workbook exercises and practice exams that can drastically improve your scores on the tests. This helps you to focus on the important material that will be on tests. Since the questions on the tests are all worded as they are in the book, this is obviously a good workbook to prepare for the tests. The inquisitive homework exercises will be worth 4 points each (60 points total, 10% of the course grade. Please use the code in red listed above to link to my canvas grade

book. **Inquisitive homework is due the Sunday of each week of the course. Discussions turned in late will have one point deducted per each day late after the deadline.**

[Order your ebook, inquisitive, or link your inquisitive homework to my grade book here](#)[Links to an external site.](#)

[Instructions on how to register with LMS and link inquisitive to my grade book.docx](#) [Links to an external site.](#)

## Quizlet

Practice tests are available through Quizlet: <http://quizlet.com/subject/larsen-physical-anthropology-chapter-1/> ([Links to an external site.](#))[Links to an external site.](#), chapter 2, chapter 3, etc.

## Primate Zoo Project

Please follow the guidelines for the zoo project in canvas assignments. Make sure you look at the Rigby PowerPoints on primates in modules 6 and 7 before going to the zoo and print out the primate evolution chart in module 7.

### THE STUDENT LEARNING OUTCOMES FOR THE COURSE ARE:

1. The student clearly assesses evidence in support of the principle of natural selection and the theory of evolution.
2. The student analyzes human evolution in light of natural selection gene flow genetic drift or mutation..
3. The student identifies and discusses scholarly sources pertaining to biological anthropology.
4. The student discusses the lack of biological evidence for race and the social reality of race in their own or other's experience.

**Extra Credit Points (30 points maximum)-Check hours of availability before going.**

## Optional Field trips

There are two field trips you can go on which are relevant to the course. These are as follows: The La Brea Tar Pits and The Los Angeles County Museum of Natural History (ground floor fossil exhibits). The first is worth up to 5 points with three to five pages of notes, and the Los Angeles Natural History excursion is worth up to 10 points with 7 to 10 pages of notes from the fossil galleries focusing on man's evolution. On any field trip, you must take notes and turn in a one or more-page essay describing what you learned



and how it is relevant to the course. You must provide a scan or photograph of receipts/tickets to prove actual entry to the event. Sign your name across the receipt. Multiple admission tickets will not be accepted for several students. Scan or photograph your notes and receipts and upload them into the extra credit spaces in the assignments category.

### Optional Book Reports

The Third Chimpanzee (see optional books above), or any of the books by Stephen Gould such as The Pandas Thumb; Ever Since Darwin; or The Miss Measure of Man) up to 10 pts. Each. Book reports should be 6 to 10 pages long and must be in your own words. Anyone attempting to plagiarize this, or any other assignment will receive an "F" in the course.

### Optional Evolution Coloring Book

Extra points can be earned by doing exercises in the evolution coloring book (1/4 pt. per page, not to exceed 15 pts.). The **coloring book** exercises must be done in sequence following the exercises listed on the reading schedule. Each colored section must match up with words to be colored in (see instructions and the front cover of the book as an example), and do Exercise 1 before beginning the other exercises. **No Xerox copies or used coloring books will be accepted!** When you are finished with the coloring book, you must write down the exercises completed on the first page and the total number of exercises completed along with your name **in ink**. Do not rip out the pages! For more specific instructions go to assignments in Canvas. The Coloring book option must be started **no later than two weeks after the beginning of the course**.

## Schedule of Reading and Exams

ANTHROPOLOGY 101-15793FA24H

*16-WEEK CLASS. THIS CLASS WILL BE HELD IN-PERSON, ON LAHC CAMPUS (Room Harbor College-Nea 125). Interaction in Canvas and/or other online environments will be required outside of scheduled class time.*

Reading and Exam Schedule

Professor J. Rigby

Fall 2024

Office: Remote, best to call or preferably text to my cell phone or use my email.

Office Hours: consultation over text over my cell phone

Cell Phone: (562) 595-2762. Preferred means of contact (verbal or text) during

Email: [Rigbyjw@laccd.edu](mailto:Rigbyjw@laccd.edu)

## Key to Reading

L= Chapters in Larsen's "Our Origins"(required to pass tests)

Z= Pages in Zihlman coloring book (optional extra credit)

Week of	Lecture	Reading
Aug. 26	What is Anthropology	L1; Z- Introduction; Z Sec. 1 Intro.
Sept. 02	<b>Holiday-Labor Day-Sept 2</b>	
	Evolution: Fundamental Scientific Theory	L2; Z 1:5-1:9
09	Genetics	L3, Z 1:13- 1:14, 2:1-2:15 Z 1:10-1:12
	<b>Last date to enroll with a permission number: 9/8</b>	
	<b>Last day to drop without a "W" – 9/8</b>	
16	<b>Exam # 1 -Monday. Sept. 16 (Covers L Chapters 1-3) Time allotted 45 minutes. Take between 6:30 am and 11:14 pm</b>	
23	Genes and Their Evolution: Population Genetics	L4; Z 6:11-6:16
30	Biology in the Present:Living People	L5; Z Chap. 6 intro, 6:10- 6:12, Z 6:1-6: 9
Oct. 07	Fossils and Their Place in Time and Nature	L8; Z 1:7-1:22, Chap 3 Intro Z 3:1-3:10, 3:11-3:22
14	<b>Exam #2-Take Oct 14(Covers L Chapters 4,5, 8). Time allotted 45 minutes. Take been 6:30 am and 11:14 pm.</b>	

Biology in the present: the other living primate

Survey of the Living Primates

L6; Z 3:23-3:35

21 Primate Sociality, Social Behavior, and Culture L7; Z Chap 4 intro., 4:1-4:14

(see  
assignments)  
**Begin writing the Los Angeles Zoo project and Primate Term Paper**

28 Primate Origins and Evolution: The First 50 Million Years L9; Z pp. 4:14-4:26 4:30-4:36

**Nov. 04 Exam # 3 Nov. 04- (Covers L Chaps. 6,7,9). Time allotted 45 minutes. Take between 6:30 am and 11:14 pm.**

Early Hominin Origins-The Roots of Humanity L10; Z pp. Chap 5 intro 5:1-5:7

11 The Origins and Evolution of Early Homo L11; Z pp.5:8-5:14

Z pp. 5:23-5:28

**Last date to drop with a "W" 11/17**

**18 Exam #4- Nov. 18-(Covers L Chaps. 10, 11). Time allotted 45 minutes. Take between 6:30 am and 11:14 pm**

The Origins, Evolution, and dispersal of Pre-modern humans and modern people L12; Z 5:26-5:28, Z 5:29-5:30

25 The Past 10,000 years: Agriculture, Population, Biology L13

**Dec. 02 The Future: The Shape of Things to Come L14; Z 6:1-6: 9**

**All late inquisitive, postings, video quizzes and the Primate Zoo assignment,  
and extra credit due Dec. 5, 11:59 pm**

**09 Final Exam-Dec 09 (Exam #5). Time allotted 45 minutes. Take  
between 6:30 am and 11:14 pm. (Covers L Chapters 12,13, 14).  
No late papers or extra credit accepted after the final exam.**

### **COURSE POLICIES:**

**Academic Dishonesty Policy:** Please recognize that any type of cheating, including plagiarism, is a serious academic offense that can have grave consequences on your academic future and will not be tolerated in this course. My policy for such offenses is a failing grade (zero points) on the applicable assignment or exam and submission of a report detailing the offense to the Office of Student Conduct and Grievance. If you have any questions regarding student ethics or plagiarism, please see me and/or refer to the Standards of Student Conduct and Academic Honesty/Dishonesty Policy sections of your General Catalog,

**Legal Disclaimer:** No portion, aspect, item, or representation, of this course, may be shared or made public in any format or venue outside of the confines of this course without the written permission of Instructor Jeff Rigby pursuant to the policies of The Los Angeles Community Colleges and State Educational Code. Any person violating this caveat will be fully subject to both academic and legal consequences. **I consider the posting of any course materials on websites (like, but not limited to, Chegg and CourseHero, Discord) that elicit answers from the online community to be cheating. If I discover that a student has posted my course materials online, that student will fail the associated assignment/exam, or depending on the severity, be given an "F" in the course, and a student misconduct report will be submitted to the Office of Student Conduct & Grievances. This will go on your college transcripts for the rest of your life! You need to be aware that we now have a forensic computer lab that searches the internet for associated websites and informs instructors of such listings. Don't be stupid and ruin your academic career! Last semester I caught 5 students doing this whose academic careers are finished and the transcript systems are linked in the State of California College/University system. Ask yourself, do you want to work at a fast food restaurant for the rest of your life flipping burgers? Don't even think of cheating, as you will be caught! I get notices every week on this. Please, be honest and really learn the material. If you cheat, you are only cheating yourself!**

**Withdrawal/Drop Policy:** If you decide that you cannot or do not want to complete this course, it is your responsibility as an adult student to officially drop, either in person at the Admissions and Records Office. For questions about add/drop procedures, see the

General Catalog. See the reading schedule above in the schedule for important drop dates.

**FERPA Policy:** The Los Angeles Community College District respects the privacy of student educational records and complies with the Family Educational Rights and Privacy Act (FERPA). Your instructor follows all FERPA policies adopted by this institution. For details on FERPA and related policies, please read the STUDENT RECORDS in the college catalog.

**Non-Discrimination Statement:** It is the policy of The Los Angeles Community College to provide an educational, employment, and business environment in which no person shall be unlawfully subjected to discrimination or harassment, nor unlawfully denied full and equal access to the benefits of College programs or activities based on ethnic group identification, national origin, religion, age, gender, race, color, ancestry, sexual orientation, military or veteran status, marital/family status, medical condition, or physical or mental disability as defined and prohibited by state and federal statutes. Any student who engages in unlawful discrimination or harassment in violation of this policy will be subject to disciplinary action, which may include suspension or expulsion.

**Title IX:**

"No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance." – If you feel you have experienced this type of behavior or you have witnessed this type of behavior, immediately

contact the campus Title IX Coordinator: **Dr. Genice Sarcedo-Magruder**

Deputy Title IX Coordinator Los Angeles Harbor College

Phone: [\(213\) 891-2315](tel:2138912315)

Email: [sarcedg@piercecollege.edu](mailto:sarcedg@piercecollege.edu)

## **DSPS Students**

DSPS students may receive special services such as priority registration special counseling, tutoring, mobility assistance, readers, note-takers, registration assistance, special parking, and others on an as-needed basis. Disabled Student Programs and Services

<https://www.lahc.edu/student-services/spr/sps>Links to an external site.

310-233-4629

[sps-lahc@lahc.edu](mailto:sps-lahc@lahc.edu)