

ANTH 001: HUMAN EVOLUTION: INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY

Originator

toaguilar

Co-Contributor(s)**Name(s)**

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Justification / Rationale

add online modality

Effective Term

Fall 2022

Credit Status

Credit - Degree Applicable

Subject

ANTH - Anthropology

Course Number

001

Full Course Title

Human Evolution: Introduction to Biological Anthropology

Short Title

INTRO/BIOLOGICAL ANTH

Discipline**Disciplines List**

Anthropology

Modality

Face-to-Face

100% Online

Hybrid

Catalog Description

This course introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and their application to the human species. It examines the origins of humans and their place in nature. Topics presented include: basic biological and genetic background for understanding human evolution; evolutionary theory; human variation and biocultural adaptations; modes of evolutionary change and how these evolutionary mechanisms operate on contemporary human populations; an understanding of geological history; principles of classification; physical form and behavior of non-human primates; and the archaeological evidence for hominine development and worldwide diffusion.

Schedule Description

This course is a study of the origins of humans and their place in nature.

Prerequisite: ENG 061

IGETC: 5B

Lecture Units

3

Lecture Semester Hours

54

Lab Units

0

In-class Hours

54

Out-of-class Hours

108

Total Course Units

3

Total Semester Hours

162

Prerequisite Course(s)

ENG 061

Required Text and Other Instructional Materials**Resource Type**

Book

Author

Jurmain, R., L. Kilgore, W. Trevathan et al.

Title

Introduction to Physical Anthropology

Edition

15th

City

Belmont, Ca.

Publisher

Thomson Wadsworth

Year

2017

College Level

Yes

Flesch-Kincaid Level

12

ISBN #

978-1-337-09982-0

Resource Type

Book

Author

Larsen, C.S.

Title

Our Origins: Discovering Biological Anthropology

Edition

5th

City

New York

Publisher

Norton

Year

2019

College Level

Yes

ISBN #

978-0-393-42834-6

Resource Type

Book

Open Educational Resource

No

Author

Clark Larsen

Title

Essentials of Biological Anthropology

College Level

Yes

Class Size Maximum

50

Entrance Skills

Develop, organize and express ideas in paragraph and essay form.

Requisite Course Objectives

ENG 061-Demonstrate the ability to think critically and express ideas using various patterns of development.

ENG 061-Use theses to organize paragraphs into coherent analyses.

Entrance Skills

Read texts and respond in writing at the literate level.

Requisite Course Objectives

ENG 061-Demonstrate the ability to read and respond in writing beyond the literal interpretation of the text.

Entrance Skills

Demonstrate the ability to participate in class discussions and assigned projects.

Requisite Course Objectives

ENG 061-Demonstrate the ability to think critically and express ideas using various patterns of development.

Course Content

1. Nature of scientific inquiry and the scientific method
2. Anthropological perspective
3. History and development of biological evolutionary thought

4. Molecular, Mendelian and population genetics
5. Mechanisms of evolution
6. Comparative primate taxonomy, anatomy and behavior
7. The nature of the fossil record including dating techniques
8. Fossil and genetic evidence of human evolution
9. Biocultural adaptations and modern human variation

Course Objectives

Objectives	
Objective 1	Describe the scientific process as a methodology for understanding the natural world.
Objective 2	Define the scope of anthropology and discuss the role of biological anthropology within the discipline.
Objective 3	Identify the main contributors to the development of evolutionary theory.
Objective 4	Explain the basic principles of Mendelian, molecular and population genetics.
Objective 5	Evaluate how the forces of evolution produce genetic and phenotypic change over time.
Objective 6	Demonstrate an understanding of classification, morphology and behavior of living primates.
Objective 7	Summarize methods used in interpreting the fossil record, including dating techniques.
Objective 8	Recognize the major groups of hominin fossils and describe alternate phylogenies for human evolution.
Objective 9	Identify the biological and cultural factors responsible for human variation.

Student Learning Outcomes

Upon satisfactory completion of this course, students will be able to:	
Outcome 1	Identify and describe the evidence for human evolution.
Outcome 2	Synthesize the evolutionary events leading to the evolution and spread of <i>Homo sapiens sapiens</i> throughout the world.
Outcome 3	Describe the evolutionary processes and identify how humans evolved as products of biocultural evolution.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Discussion	Group discussion. During lectures, students will be expected to discuss the material and answer questions.
Technology-based instruction	Power-point presentations, internet access assignments
Participation	In-class assignments and group assignments
Lecture	Introduce and explain the material to the students.
Other (Specify)	a. DVD presentations b. Internet c. Student papers and reports

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
College level or pre-collegiate essays	Student will complete essays/longer answer-type questions in class in discussion and also on examinations.	In Class Only
Student participation/contribution	Students will be evaluated by their participation in the lecture and any outside of class meetings, and participation with invited in-class guest speakers. Students will complete worksheets and/or provide comments. (out of class- approximately .5 hours per week.)	In and Out of Class

Mid-term and final evaluations	Students will be tested to determine their understanding of the material. Tests include multiple choice, true/false questions, define terms, and longer-answer essay questions.	In Class Only
Tests/Quizzes/Examinations	Students will be tested to determine their understanding of the material. Tests include multiple choice, true/false questions, define terms, and longer-answer essay questions.	In Class Only
Group activity participation/observation	During lecture, students will work in teams to apply the concepts being learned in class to concrete situations. Some observations may be done out of class (about .5 hours per week) and discussed in class.	In and Out of Class
Term or research papers	Students will design and write a research paper on first-hand, out of class experience, either by participating or discreetly conducting observation of a religious event. Students expected to read approximately 50 pages/week.	In and Out of Class
Written homework	Students will read assigned chapters and complete written assignments.	In and Out of Class

Assignments

Other In-class Assignments

1. Attendance of lectures by guest speakers, including the taking of detailed notes.
2. Viewing of DVDs and PowerPoint programs, including the taking of notes.
3. Listening to sound recordings and taking notes.
4. Special reports by students, in panel or singly.
5. Participating in class research projects involving the collection, compilation and interpretation of data, including the composition of written or oral reports.

Other Out-of-class Assignments

1. Readings in the textbook and in recommended supplementary literature.

Grade Methods

Letter Grade Only

Distance Education Checklist

Include the percentage of online and on-campus instruction you anticipate.

Online %

50

On-campus %

50

Instructional Materials and Resources

If you use any other technologies in addition to the college LMS, what other technologies will you use and how are you ensuring student data security?

none

If used, explain how specific materials and resources outside the LMS will be used to enhance student learning.

none

Effective Student/Faculty Contact

Which of the following methods of regular, timely, and effective student/faculty contact will be used in this course?

Within Course Management System:

Chat room/instant messaging

Discussion forums with substantive instructor participation
Online quizzes and examinations
Private messages
Regular virtual office hours
Timely feedback and return of student work as specified in the syllabus
Video or audio feedback
Weekly announcements

External to Course Management System:

Direct e-mail
Posted audio/video (including YouTube, 3cm mediasolutions, etc.)
Synchronous audio/video

For hybrid courses:

Field trips
Library workshops
Orientation, study, and/or review sessions
Scheduled Face-to-Face group or individual meetings
Supplemental seminar or study sessions

Briefly discuss how the selected strategies above will be used to maintain Regular Effective Contact in the course.

Announcements, direct messaging, email, etc. are all ways to make sure the instructor is in regular effective contact with their students.

If interacting with students outside the LMS, explain how additional interactions with students outside the LMS will enhance student learning.

Field trips, workshops as part of a hybrid course will help students achieve the SLO's by exposing them to content and material they are reading about in class.

Other Information**Provide any other relevant information that will help the Curriculum Committee assess the viability of offering this course in an online or hybrid modality.**

This course is easy to offer as either a hybrid or fully online course, as the material and supplements can be understood by students so long as regular effective contact is established by the instructor.

Comparable Transfer Course Information**University System**

CSU

Campus

CSU San Bernardino

Course Number

ANTH 1001

Course Title

Humans, Apes, and Monkeys: Introduction to Biological Anthropology

Catalog Year

2019-2020

University System

UC

Campus

UC Riverside

Course Number

ANTH002

Course Title

Biological Anthropology

Catalog Year

2019

COD GE

C1 - Natural Sciences

CSU GE

B2 - Life Science

IGETC GE

5B - Biological Science

MIS Course Data**CIP Code**

45.0201 - Anthropology.

TOP Code

220200 - Anthropology

SAM Code

E - Non-Occupational

Basic Skills Status

Not Basic Skills

Prior College Level

Not applicable

Cooperative Work Experience

Not a Coop Course

Course Classification Status

Credit Course

Approved Special Class

Not special class

Noncredit Category

Not Applicable, Credit Course

Funding Agency Category

Not Applicable

Program Status

Program Applicable

Transfer Status

Transferable to both UC and CSU

General Education Status

Y = Not applicable

Support Course Status

N = Course is not a support course

C-ID

ANTH 110

Allow Audit

No

Repeatability

No

Materials Fee

No

Additional Fees?

No

Approvals**Curriculum Committee Approval Date**

03/17/222

Academic Senate Approval Date

03/24/2022

Board of Trustees Approval Date

04/22/2022

Chancellor's Office Approval Date

04/27/2022

Course Control Number

CCC000306065

Programs referencing this courseAnthropology AA-T Degree (<http://catalog.collegeofthedesert.eduundefined/?key=14>)Liberal Arts: Math and Science AA Degree (<http://catalog.collegeofthedesert.eduundefined/?key=29>)