

ANTH C1001 Course Outline as of Fall 2027**CATALOG INFORMATION**

Dept and Nbr: ANTH C1001 Title: INTRO BIOLOGICAL ANTHRO

Full Title: Biological Anthropology

Last Reviewed: 3/9/2026

| Units | | Course Hours per Week | | Nbr of Weeks | Course Hours Total | |
|---------|------|-----------------------|------|--------------|--------------------|-------|
| Maximum | 3.00 | Lecture Scheduled | 3.00 | 17.5 | Lecture Scheduled | 52.50 |
| Minimum | 3.00 | Lab Scheduled | 0 | 6 | Lab Scheduled | 0 |
| | | Contact DHR | 0 | | Contact DHR | 0 |
| | | Contact Total | 3.00 | | Contact Total | 52.50 |
| | | Non-contact DHR | 0 | | Non-contact DHR | 0 |

Total Out of Class Hours: 105.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade or P/NP

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: ANTH 1

Catalog Description:

In this course, students examine human origins, evolution, and variation with a focus on the adaptations of humans and other primates. Biological evolution and scientific methods are foundations for the course.

Additionally, this course critically assesses the impact that the intersection of human culture and the forces of evolutionary change have on human evolution.

Prerequisites/Corequisites:**Recommended Preparation:**

Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB705 mandates

Limits on Enrollment:**Schedule of Classes Information:**

Description: In this course, students examine human origins, evolution, and variation with a focus on the adaptations of humans and other primates. Biological evolution and scientific

methods are foundations for the course.

Additionally, this course critically assesses the impact that the intersection of human culture and the forces of evolutionary change have on human evolution.

(Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL C1000 (formerly ENGL 1A), or eligibility for EMLS 10 (formerly ESL 10), or equivalent; or appropriate placement based on AB705 mandates

Limits on Enrollment:

Transfer Credit: UC.

Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

| | | | | |
|----------------------|----------------------|---|-------------------|------------------|
| AS Degree: | Area | | Effective: | Inactive: |
| | C | Natural Sciences | Fall 2025 | |
| | H | Global Perspective and Environmental Literacy | | |
| | L5 | Physical and Biological Sciences | | |
| | C | Natural Sciences | Fall 1981 | Fall 2025 |
| | H | Global Perspective and Environmental Literacy | | |
| CSU GE: | Transfer Area | | Effective: | Inactive: |
| | B2 | Life Science | Fall 1981 | |
| IGETC: | Transfer Area | | Effective: | Inactive: |
| | 5B | Biological Sciences | Fall 1981 | |
| CSU Transfer: | | Effective: | Inactive: | |
| UC Transfer: | Transferable | Effective: | Fall 1981 | Inactive: |

CID:

CID Descriptor: ANTH 110 Introduction to Biological Anthropology
SRJC Equivalent Course(s): ANTHC1001

Certificate/Major Applicable:

Major Applicable Course

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

1. Discuss the fundamental concepts of the scientific method and evolutionary theory, including the various mechanisms of evolutionary change, genetic inheritance, and human cell biology.
2. Apply anthropological vocabulary and concepts to evaluate contemporary primate biology and behavior.
3. Identify key biological and behavioral adaptations among fossil hominin species in human evolution.
4. Describe human variation through time and across space in biocultural terms.

Objectives:

Statewide Required Objectives/Outcomes:

1. Demonstrate an understanding of the scientific method and an ability to interpret data to arrive at reasoned conclusions.
2. Identify the principles of human inheritance, molecular biology, genetics, and evolutionary processes from the perspective of biological anthropology.
3. Identify the biological and cultural factors responsible for human variation.
4. Identify and compare primate and hominin species in terms of their osteological, morphological, and/or behavioral adaptations.

Expanded and Additional Local Objectives/Outcomes:

At the conclusion of this course, the student should be able to:

1. Convey basic knowledge of human genetics and the functions of DNA.
2. Identify the major forces of evolution.
3. Compare different classification systems (e.g., classic taxonomy, cladistics, phylogeny), and describe humankind within the contemporary primate order.
4. Describe primate anatomy, social behavior, and culture in adaptive terms.
5. Demonstrate knowledge of primate evolution, with particular emphasis on hominin evolution, including the identification of important hominin species and adaptations.
6. Demonstrate that race is not a valid biological concept and explain human variation in clinal terms.
7. Assess the ways in which the intersection of human and biological evolutionary processes impacts human evolution and the natural environment.

Topics and Scope:

Statewide Required Topics:

1. The nature of scientific inquiry and the scientific method
2. The anthropological perspective
3. Development of biological evolutionary thought
4. Molecular, Mendelian, and population genetics
5. Mechanisms/forces of evolution
6. Comparative primate taxonomy, anatomy, and behavioral ecology
7. The fossil record, geologic time, and dating methods
8. The fossil, archaeological, and genetic evidence of human evolution
9. Biocultural adaptations and modern human variation
10. Understanding ancestry, racism, and the invalidity of biological race in humans

Expanded and Additional Local Topics:

- I. Epigenetics
- II. Bioethics and Genetics
- III. Human Skeletal Anatomy
- IV. aDNA
- V. Bioarchaeology
- VI. Early Primate Evolution: The First Primates
- VII. The Relationship Among Human Biology, Culture, and the Spread of Disease
- VIII. Summary of Global Environmental Impact of the Human Species and Challenges for the Survival of Human Beings in the Twenty-first Century

Assignment:

1. Reading assignments (approximately 10-30 pages per week) from textbook
2. Writing Assignment(s) (for a total of 1250-1500 words), which may include:
 - a. Reaction papers
 - b. Research topics
 - c. Summary and response papers
 - d. Critical-thought essays
3. Exams (2-4) which may include:
 - a. Multiple choice questions
 - b. True/false
 - c. Map identification
 - d. Short answers
 - e. Essay questions
4. Quizzes
5. Additional assignments as determined by instructor may include:
 - a. Map quizzes
 - b. Other types of homework
 - c. Attendance
 - d. In-class participation
 - e. Book responses

Statewide Required Methods of Evaluation:

Examples of potential methods of evaluation used to observe or measure students' achievement of course outcomes and objectives could include, but are not limited to: assignments, quizzes, exams, projects, and academic writing. Methods of evaluation are at the discretion of local faculty.

Expanded and Additional Local Methods of Evaluation: See table below.

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

| | |
|---|--------------------------------|
| Written assignments | Writing 30 - 40% |
| Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills. | |
| None | Problem solving 0 - 0% |
| Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams. | |
| None | Skill Demonstrations 0 - 0% |

Exams: All forms of formal testing, other than skill performance exams.

Exams, quizzes

Exams
55 - 70%

Other: Includes any assessment tools that do not logically fit into the above categories.

Additional assignments (if assigned)

Other Category
0 - 10%

Representative Textbooks and Materials:

Statewide Representative Textbooks: Textbook choice is the discretion of faculty.

Shook, B., Braff, L., Nelson, K., & Aguilera, K. (Eds.). (2023). Explorations: An Open Invitation to Biological Anthropology. 2nd ed.: LibreTexts / American Anthropological Association. CC BY NC (OER).

Boyd, R., & Silk, J. (2023). How Humans Evolved. 10th ed.: Norton.

Fuentes, A. (2019). Biological Anthropology: Concepts and Connections. 3rd ed.: McGrawHill.

Larsen, Clark S. (2025). Essentials of Biological Anthropology. 6th ed.: Norton.

Additional Local Representative Textbook:

Our Origins: Discovering Physical Anthropology. 6th Edition. Larsen, Clark. W.W. Norton & Company. 2025. (classic).