

ANTH M01: BIOLOGICAL ANTHROPOLOGY

Originator

rmessinger

Co-Contributor(s)

Name(s)

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College

Moorpark College

Discipline (CB01A)

ANTH - Anthropology

Course Number (CB01B)

M01

Course Title (CB02)

Biological Anthropology

Banner/Short Title

Biological Anthropology

Credit Type

Credit

Start Term

Fall 2021

Catalog Course Description

Introduces the scientific method as used in the study of humans as biological organisms. Focuses on human evolution and diversity, including genetics, evolution, primatology, paleoanthropology, human variation, and biocultural adaptation. Examines how humans relate to other living organisms and how the tools of science are used to reconstruct the past history of our species.

Additional Catalog Notes

Provider approved by the California Board of Registered Nursing. Provider number CEP28111 for 45 contact hours.
 Course Credit Limitations: Students cannot complete both ANTH M01 & ANTH M01H because credit will only be awarded to the first course completed.

Taxonomy of Programs (TOP) Code (CB03)

2202.00 - Anthropology

Course Credit Status (CB04)

D (Credit - Degree Applicable)

Course Transfer Status (CB05) (select one only)

A (Transferable to both UC and CSU)

Course Basic Skills Status (CB08)

N - The Course is Not a Basic Skills Course

SAM Priority Code (CB09)

E - Non-Occupational

Course Cooperative Work Experience Education Status (CB10)

N - Is Not Part of a Cooperative Work Experience Education Program

Course Classification Status (CB11)

Y - Credit Course

Educational Assistance Class Instruction (Approved Special Class) (CB13)

N - The Course is Not an Approved Special Class

Course Prior to Transfer Level (CB21)

Y - Not Applicable

Course Noncredit Category (CB22)

Y - Credit Course

Funding Agency Category (CB23)

Y - Not Applicable (Funding Not Used)

Course Program Status (CB24)

1 - Program Applicable

General Education Status (CB25)

Y - Not Applicable

Support Course Status (CB26)

N - Course is not a support course

Field trips

Will not be required

Grading method

(L) Letter Graded

Alternate grading methods

(O) Student Option- Letter/Pass

(P) Pass/No Pass Grading

Does this course require an instructional materials fee?

No

Repeatable for Credit

No

Is this course part of a family?

No

Units and Hours

Carnegie Unit Override

No

In-Class

Lecture

Minimum Contact/In-Class Lecture Hours

52.5

Maximum Contact/In-Class Lecture Hours

52.5

Activity

Minimum Contact/In-Class Activity Hours

0

Maximum Contact/In-Class Activity Hours

0

Laboratory

Minimum Contact/In-Class Laboratory Hours

0

Maximum Contact/In-Class Laboratory Hours

0

Total in-Class

Total in-Class

Total Minimum Contact/In-Class Hours

52.5

Total Maximum Contact/In-Class Hours

52.5

Outside-of-Class

Internship/Cooperative Work Experience

Paid

Unpaid

Total Outside-of-Class

Total Outside-of-Class

Minimum Outside-of-Class Hours

105

Maximum Outside-of-Class Hours

105

Total Student Learning

Total Student Learning

Total Minimum Student Learning Hours

157.5

Total Maximum Student Learning Hours

157.5

Minimum Units (CB07)

3

Maximum Units (CB06)

3

Student Learning Outcomes (CSLOs)

Upon satisfactory completion of the course, students will be able to:

- | | |
|---|---|
| 1 | recognize the four subfields of anthropology, with an emphasis on biological anthropology, and describe the scientific method. |
| 2 | describe the biological basis for human evolution, in terms of evolutionary theory, primate studies, and the human fossil record. |

Course Objectives

Upon satisfactory completion of the course, students will be able to:

- | | |
|---|---|
| 1 | describe the scientific process as a methodology for understanding the natural world. |
| 2 | define the scope of anthropology and discuss the role of biological anthropology within the discipline. |

- 3 identify the main contributors to the development of evolutionary theory.
- 4 explain the basic principles of Mendelian, molecular and population genetics.
- 5 evaluate how the forces of evolution produce genetic and phenotypic change over time.
- 6 demonstrate an understanding of classification, morphology and behavior of living primates.
- 7 summarize methods used in interpreting the fossil record, including dating techniques.
- 8 recognize the major groups of hominin fossils and describe alternate phylogenies for human evolution.
- 9 identify the biological and cultural factors responsible for human variation.

Course Content

Lecture/Course Content

- 11% - Nature of Scientific Inquiry and the Scientific Method
- 11% - Anthropological Perspective
- 11% - History and Development of Biological Evolutionary Thought
- 11% - Molecular, Mendelian, and Population Genetics
- 11% - Mechanisms of Evolution
- 11% - Comparative Primate Taxonomy, Anatomy, and Behavior
- 11% - The Nature of the Fossil Record Including Dating Techniques
- 12% - Fossil and Genetic Evidence of Human Evolution
- 11% - Biocultural Adaptations and Modern Human Variation

Laboratory or Activity Content

Not Applicable.

Methods of Evaluation

Which of these methods will students use to demonstrate proficiency in the subject matter of this course? (Check all that apply):

Problem solving exercises
Written expression

Methods of Evaluation may include, but are not limited to, the following typical classroom assessment techniques/required assignments (check as many as are deemed appropriate):

Classroom Discussion
Essay exams
Group projects
Individual projects
Objective exams
Projects
Problem-solving exams
Quizzes
Reports/Papers/Journals
Reports/papers
Research papers

Instructional Methodology

Specify the methods of instruction that may be employed in this course

Audio-visual presentations
Collaborative group work
Class activities
Class discussions
Case studies
Distance Education
Group discussions
Guest speakers
Instructor-guided interpretation and analysis
Internet research
Lecture
Readings
Small group activities

Describe specific examples of the methods the instructor will use:

Instructor will use PowerPoint presentations, board work, educational videos, classroom discussions, and group work to explain course content.

Representative Course Assignments

Writing Assignments

- Reports on visits to zoos, museums, and other sites.
- Summaries and analyses of guest lectures, films, or other class projects.
- Essays and research papers on topics such as the evidence for evolution or the contribution and impact of Neandertal DNA to the modern human genome.

Critical Thinking Assignments

- Oral and written evaluations of topics such as the history and development of biological evolutionary thought.
- Class discussions on assigned readings, such as the ethical dimensions of stem cell research, or the parallels between artificial selection and natural selection.
- Objective and short-answer exams.

Reading Assignments

- Read peer-reviewed scientific journal articles regarding anthropology and evolution provided by the instructor and answer questions about the article. An example could be: Read the article: "Nonhuman Primate Communication, Pragmatics, and the Origins of Language" and explain what nonhuman primate communication can tell us about the origins of human language.
- Read assigned chapters from the biological anthropology textbook.

Outside Assignments

Representative Outside Assignments

- Assigned readings and other projects.
- Library or internet research on the methods of interpreting and dating the fossil record.
- Visits to zoos, museums, lectures, such as visit the Los Angeles Zoo and observe a nonhuman primate simulating the types of observations that a primatologist would do on captive primates.

Articulation

C-ID Descriptor Number

ANTH 110

Status

Approved

Equivalent Courses at 4 year institutions

University	Course ID	Course Title	Units
UC Berkeley	ANTHRO 1	Introduction to Biological Anthropology	4
UC Los Angeles	ANTHRO 1	Human Evolution	5
UC Santa Barbara	ANTH 5	Introductory Biological Anthropology	5
CSU, Northridge	ANTH 151	Introduction to Biological Anthropology	3

Comparable Courses within the VCCCD

ANTH R101 - Introduction to Biological Anthropology
 ANTH V01 - Biological Anthropology

Equivalent Courses at other CCCs

College	Course ID	Course Title	Units
Pierce College	ANTHRO 101	Human Biological Evolution	3
College of the Canyons	ANTHRO 101	Physical Anthropology	3

District General Education

A. Natural Sciences

A1. Biological Science

Approved

B. Social and Behavioral Sciences

C. Humanities

D. Language and Rationality

E. Health and Physical Education/Kinesiology

F. Ethnic Studies/Gender Studies

Course is CSU transferable

Yes

CSU Baccalaureate List effective term:

F1999

CSU GE-Breadth

Area A: English Language Communication and Critical Thinking

Area B: Scientific Inquiry and Quantitative Reasoning

B2 Life Science

Approved

Area C: Arts and Humanities

Area D: Social Sciences

Area E: Lifelong Learning and Self-Development

Area F: Ethnic Studies

CSU Graduation Requirement in U.S. History, Constitution and American Ideals:

UC TCA

UC TCA

Approved

IGETC

Area 1: English Communication

Area 2A: Mathematical Concepts & Quantitative Reasoning

Area 3: Arts and Humanities

Area 4: Social and Behavioral Sciences

Area 5: Physical and Biological Sciences

Area 5B: Biological Science

Approved

Area 6: Languages Other than English (LOTE)

Textbooks and Lab Manuals

Resource Type

Textbook

Classic Textbook

No

Description

Larsen, Clark Spencer. *Our Origins: Discovering Physical Anthropology*. 4th ed., Norton, 2017.

Larsen, Clark Spencer. *Our Origins: Discovering Biological Anthropology*. 5th ed., Norton, 2019.

Resource Type

Textbook

Classic Textbook

No

Description

Jurmain, Robert, et al. *Introduction to Physical Anthropology*. 15th ed., Cengage, 2017.

Resource Type

Textbook

Classic Textbook

No

Description

Boyd, Robert, and Joan B. Silk. *How Humans Evolved*. 9th ed., Norton, 2020.

Resource Type

Textbook

Classic Textbook

No

Description

Larsen, Clark Spencer. *Essentials of Physical Anthropology: Discovering our origins*. 4th ed., Norton, 2019.

Resource Type

Textbook

Classic Textbook

No

DescriptionStanford, Craig, et al. *Exploring Biological Anthropology: The Essentials*. 4th ed., Pearson, 2016.**Resource Type**

Textbook

Classic Textbook

No

DescriptionStanford, Craig, et al. *Biological Anthropology: The Natural History of Humankind*. 4th ed., Pearson, 2019.**Library Resources****Assignments requiring library resources**

Research projects using Library's print and online resources such as EBSCO Academic Search Complete, Elsevier ScienceDirect, and Anthrosource.

Sufficient Library Resources exist

Yes

Example of Assignments Requiring Library Resources

Using the Library's print and online resources on such topics as the ethical aspects of stem cell research.

Distance Education Addendum**Definitions****Distance Education Modalities**

Hybrid (51%–99% online)

Hybrid (1%–50% online)

100% online

Faculty Certifications

Faculty assigned to teach Hybrid or Fully Online sections of this course will receive training in how to satisfy the Federal and state regulations governing regular effective/substantive contact for distance education. The training will include common elements in the district-supported learning management system (LMS), online teaching methods, regular effective/substantive contact, and best practices.

Yes

Faculty assigned to teach Hybrid or Fully Online sections of this course will meet with the EAC Alternate Media Specialist to ensure that the course content meets the required Federal and state accessibility standards for access by students with disabilities.

Common areas for discussion include accessibility of PDF files, images, captioning of videos, Power Point presentations, math and scientific notation, and ensuring the use of style mark-up in Word documents.

Yes

Regular Effective/Substantive Contact**Hybrid (1%–50% online) Modality:****Method of Instruction****Document typical activities or assignments for each method of instruction**

E-mail

Instructor will email students with announcements about the course or an upcoming event. Students in turn may email the instructor with their questions or concerns.

Students will email their programs and projects to the instructor.

Face to Face (by student request; cannot be required)	Students will have the option to meet the instructor during face-to-face office hours.
Other DE (e.g., recorded lectures)	Instructor may record the lectures and post them for students to view within a specified time frame to be ready for the accompanying assignments for that module.
Telephone	Instructor may provide a phone number for the students where they can leave a voicemail and expect a call back within 24 hours.

Hybrid (51%–99% online) Modality:

Method of Instruction	Document typical activities or assignments for each method of instruction
E-mail	Instructor will email students with announcements about the course or an upcoming event. Students in turn may email the instructor with their questions or concerns. Students will email their programs and projects to the instructor.
Face to Face (by student request; cannot be required)	Students will have the option to meet the instructor during face-to-face office hours.
Other DE (e.g., recorded lectures)	Instructor may record the lectures and post them for students to view within a specified time frame to be ready for the accompanying assignments for that module.
Telephone	Instructor may provide a phone number for the students where they can leave a voicemail and expect a call back within 24 hours.

100% online Modality:

Method of Instruction	Document typical activities or assignments for each method of instruction
Asynchronous Dialog (e.g., discussion board)	Instructor will post a question or a prompt for students to discuss. Students will also use this prompt to interact with other students.
E-mail	Instructor will email students with announcements about the course or an upcoming event. Students in turn may email the instructor with their questions or concerns.
Face to Face (by student request; cannot be required)	Students will have the option to meet the instructor during face-to-face office hours.
Other DE (e.g., recorded lectures)	Instructor may record the lectures and post them for students to view within a specified time frame to be ready for the accompanying assignments for that module.
Synchronous Dialog (e.g., online chat)	Instructor may be available on a certain day or days of the week within a certain time frame to help students and answer their questions via an online chat.
Telephone	Instructor may provide a phone number for the students where they can leave a voicemail and expect a call back within 24 hours.
Video Conferencing	Instructor may be available on a certain day or days of the week within a certain time frame to help students and answer their questions via live video conferencing.

Examinations

Hybrid (1%–50% online) Modality

On campus

Hybrid (51%–99% online) Modality

Online

On campus

Primary Minimum Qualification

ANTHROPOLOGY

Review and Approval Dates

Department Chair

03/18/2021

Dean

04/05/2021

Technical Review

03/25/2021

Curriculum Committee

4/6/2021

DTRW-I

MM/DD/YYYY

Curriculum Committee

MM/DD/YYYY

Board

MM/DD/YYYY

CCCCO

MM/DD/YYYY

Control Number

CCC000427499

DOE/accreditation approval date

MM/DD/YYYY