

Cerro Coso College
Course Outline of Record Report
10/07/2021

ANTHC121 : Biological Anthropology

General Information

Author:	• Sarah King
Course Code (CB01) :	ANTHC121
Course Title (CB02) :	Biological Anthropology
Department:	Social Science
Proposal Start:	Fall 2018
TOP Code (CB03) :	(2202.00) Anthropology
SAM Code (CB09) :	Non-occupational
Distance Education Approved:	Yes
Course Control Number (CB00) :	CCC000256761
Curriculum Committee Approval Date:	02/09/2018
Board of Trustees Approval Date:	05/03/2018
External Review Approval Date:	Pending
Course Description:	This course examines humans as biological organisms from an evolutionary perspective. Areas covered include concepts, methods, findings, and issues in the study of the order primates, including relationships between fossil monkeys, apes and humans, and the significance of genetic diversity among modern populations.
Submission Type:	Mandatory Revision Changing title of course to fit discipline standards
Author:	No value

Faculty Minimum Qualifications

Master Discipline Preferred:	• Anthropology
Alternate Master Discipline Preferred:	No value
Bachelors or Associates Discipline Preferred:	No value
Additional Bachelors or Associates Discipline Preferred:	No value

Course Development Options

Basic Skills Status (CB08) Course is not a basic skills course.	Course Special Class Status (CB13) Course is not a special class.	Grade Options <ul style="list-style-type: none">• Letter Grade Methods• Pass/No Pass
<input type="checkbox"/> Allow Students to Gain Credit by Exam/Challenge	Allowed Number of Retakes 0	Course Prior To College Level (CB21) One level below transfer.

Rationale For Credit By Exam/Challenge

No value

Retake Policy Description

Type:|Non-Repeatable Credit

 Allow Students To Audit Course**Course Support Course Status (CB26)**

No value

Associated Programs Course is part of a program (CB24)**Associated Program**

No value

Award Type

No value

Active**Transferability & Gen. Ed. Options****Course General Education Status (CB25)**

No value

Transferability

Transferable to both UC and CSU

Transferability Status

Approved

Cerro Coso General Education Requirements

Area 1.1

Natural Science
Life Sciences

Approved

No value

No Comparable Course defined.

Area 2.1

Social &
Behavioral
Sciences Social

Approved

No value

Intersegmental General Education Transfer Curriculum

Area 4.A

Social and
Behavioral
Sciences
Anthropology /
Archeology

Approved

No value

No Comparable Course defined.

Area 5.B

Physical &
Biological
Sciences
Biological Science

Approved

No value

CSU General Education Certification

Area B.2

Scientific Inquiry
& Quantitative
Reasoning Life
Science

Approved

No value

No Comparable Course defined.

Area D.1

Social Sciences
Anthropology &
Archeology

Approved

No value

Units and Hours

Summary

Minimum Credit Units (CB07)	3
Maximum Credit Units (CB06)	3
Total Course In-Class (Contact) Hours	54
Total Course Out-of-Class Hours	108
Total Student Learning Hours	162
Faculty Load	0

Credit / Non-Credit Options

Course Credit Status (CB04)

Credit - Degree Applicable

Course Non Credit Category (CB22)

Credit Course.

Non-Credit Characteristic

No Value

Course Classification Status (CB11)

Credit Course.

Variable Credit Course

Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience Education Status (CB10)

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	3	6
Laboratory Hours	0	0
Activity Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	
Lecture	54
Laboratory	0
Activity	0
Total	54

Course Out-of-Class Hours

Lecture	108
Laboratory	0
Activity	0
Total	108

Time Commitment Notes for Students

No value

Faculty Load

Extra Duties: 0

Faculty Load: 0

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

Units and Hours: Profile Name

Summary

Minimum Credit Units (CB07)	0
Maximum Credit Units (CB06)	0
Total Course In-Class (Contact) Hours	0
Total Course Out-of-Class Hours	0
Total Student Learning Hours	0
Faculty Load	0

Detail

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	0	0
Laboratory Hours	0	0
Activity Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	
Lecture	0
Laboratory	0
Activity	0
Total	0
Course Out-of-Class Hours	
Lecture	0
Laboratory	0
Activity	0
Total	0

Time Commitment Notes for Students

No Value

Faculty Load

Extra Duties: 0

Faculty Load: 0

Units and Hours: Profile Name - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

Pre-requisites, Co-requisites, Anti-requisites and Advisories**Advisory****ENGLC070 - Introductory Composition**

Students are expected to read and comprehend a college-level textbook explaining complex anthropological theories. In addition, they must critically analyze scholarly articles for a research paper. They are also required to write 5-10 page papers as well as respond to essay questions on exams. This requires that they write in a clear and organized manner free from errors. The ENGL C070 advisory level ensures students have the skills necessary for success in these assignments.

Entrance Skills

Entrance Skills	Description
No value	No value

Limitations on Enrollment

Limitations on Enrollment	Description
No value	No value

Specifications**Methods of Instruction**

Methods of Instruction Other

Rationale Classroom participation and outside research

Methods of Instruction	Presentations (by students)
Rationale	No value
Methods of Instruction	Written work
Rationale	No value
Methods of Instruction	Group Work
Rationale	No value
Methods of Instruction	Lecture
Rationale	No value
Methods of Instruction	Outside reading
Rationale	No value
Methods of Instruction	Discussion
Rationale	No value
Assignments	
Reading - Assigned readings from text book, example: "Read pgs 19 - 39 in your text. Be ready to discuss the key points in Darwin's theory of evolution."	
Research paper - 1500 word research paper analyzing the representation of anthropology in the news media. Students compare and contrast scientific reporting and scholarly research (fossil discoveries, genetic research, etc) and discuss the influence of the news media on public perception of anthropological research.	
Methods of Evaluation	Rationale
Participation	Discussion and participation - Class discussions on the topics and debates that arise from the text and lecture. For instance: "What is the importance of play in primate development and learning?" Students are scored using a rubric based on active participation in the discussion and their use of outside sources, lectures and the text in building their arguments.
Tests	Quizzes and exams - Exams will be given throughout the semester, consisting of multiple choice questions and short answer essay questions scored with a rubric.
Research Paper	Research paper - A 1500 word essay on a chosen topic requiring at least 6 outside references. Scored with a rubric.
Equipment	

No Value

Textbooks

Author	Title	Publisher	Date	ISBN
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	Larsen, C.S.. (2017) Our Origins: Discovering Physical Anthropology, 4th ed, W.W. Norton & Company			
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Other Instructional Materials

No Value

Materials Fee

No

Learning Outcomes and Objectives

Course Objectives

Describe the scientific process as a methodology for understanding the natural world.

Define the scope of anthropology and discuss the role of biological anthropology within the discipline.

Identify the main contributors to the development of evolutionary theory.

Explain the basic principles of Mendelian, molecular, and population genetics.

Evaluate how the forces of evolution produce genetic and phenotypic change over time.

Demonstrate an understanding of classification, morphology, and behavior of living primates.

Summarize methods used in interpreting the fossil record, including dating techniques.

Recognize the major groups of hominin fossils and describe alternate phylogenies for human evolution.

Identify the biological and cultural factors responsible for human variation.

CSLOs

Explain the key theories and concepts related to the forces of evolution, including mutation, natural selection, genetic drift, and gene flow.

Expected SLO Performance: 70.0

Social Science
Anthropology AA Degree for
Transfer

Analyze the place of humanity in nature and describe the methods used to study humans as biological organisms.

Identify major trends in cultural evolution using the material cultures of prehistoric and historic humans.

Identify major trends in cultural evolution using the material cultures of prehistoric and historic humans.

Compare and contrast major theoretical perspectives in anthropology.

Compare and contrast major theoretical perspectives in anthropology.

Use the scientific method to analyze aspects of the human condition.

Analyze the place of humanity in nature and describe the methods used to study humans as biological organisms.

Use the scientific method to analyze aspects of the human condition.

Science
Liberal Arts: Mathematics & Science
AA Degree

Describe the nature of science, the methods applied in scientific investigations, and the value of those methods in developing a rigorous understanding of the physical world.

Social Science
Liberal Arts: Social & Behavioral
Sciences AA Degree

Identify and apply the Scientific Method used by social scientists to study human behavior.

Identify living primates species and discuss their social organizations, behavior, and language ability.

Expected SLO Performance: 70.0

Social Science
Anthropology AA Degree for Transfer

Analyze the place of humanity in nature and describe the methods used to study humans as biological organisms.

Analyze the place of humanity in nature and describe the methods used to study humans as biological organisms.

Describe the sequence of hominin evolution and discuss the fossil evidence.

Expected SLO Performance: 70.0

Social Science
Anthropology AA Degree for Transfer

Analyze the place of humanity in nature and describe the methods used to study humans as biological organisms.

Analyze the place of humanity in nature and describe the methods used to study humans as biological organisms.

Identify major trends in cultural evolution using the material cultures of prehistoric and historic humans.

Identify major trends in cultural evolution using the material cultures of prehistoric and historic humans.

Analyze the influence of the natural environment on humans including the resulting physical and cultural differences.

Expected SLO Performance: 70.0

Social Science
Anthropology AA
Degree for Transfer

Critique selected aspects of human social and cultural life from an anthropological perspective.

Analyze the place of humanity in nature and describe the methods used to study humans as biological organisms.

Analyze the place of humanity in nature and describe the methods used to study humans as biological organisms.

Critique selected aspects of human social and cultural life from an anthropological perspective.

Social Science
IGETC PLOs

Describe the method of inquiry used by the social and behavioral sciences.

Communicate scientific results by applying the appropriate scientific method, including experimental and empirical methodologies characteristic of science and modern methods and tools used in scientific inquiry through the use of graphs, oral communications, and writings.

ISLOs
Core ISLOs

Students who are completing a program will be able to think critically and creatively and apply reasoning.

Social Science
PLOs for CSU GE COA

Communicate scientific results by applying the appropriate scientific method, including experimental and empirical methodologies characteristic of science and modern methods and tools used in scientific inquiry through the use of graphs, oral communications, and writings.

Describe the method of inquiry used by the social and behavioral sciences.

Social Science
Liberal Arts: Social &
Behavioral Sciences AA
Degree

Identify and analyze theories explaining the individual, social, historical, economic, or political activities of humans.

Science
Liberal Arts:
Mathematics & Science
AA Degree

Apply algebraic, graphical, numerical, and other methods to solve applied problems in the areas of mathematics, natural sciences, computer graphics, and computer animation.

Outline

Course Outline

1. The Discipline of Anthropology
 - a. Cultural Anthropology
 - b. Physical Anthropology
 - c. Archaeology
 - d. Linguistic Anthropology
2. Research Methods; and Basic Concepts
 - a. The nature of scientific inquiry
 - b. Scientific method
 - c. Field methods
 - d. Dating techniques
3. Evolution; Natural Selection; and the Basic Theory of Inheritance
 - a. Development of evolutionary theory
 - i. James Hutton
 - ii. Charles Lyell
 - iii. George Cuvier
 - iv. Carolus Linnaeus
 - v. Jean Baptiste de Lamarck
 - b. Charles Darwin: Natural Selection and Sexual Selection
 - c. Gregor Mendel and the Laws of Heredity
 - d. Polygenic Inheritance
4. The Cell
 - a. Mitosis
 - b. Meiosis
 - c. Chromosomes
5. DNA
 - a. DNA Replication
 - b. Protein Synthesis
6. Population Genetics
 - a. Natural Selection
 - b. Mutation
 - c. Gene flow
 - d. Genetic drift
7. Human Variation

- a. Acclimatization
 - b. Physiological Adaptation
 - c. Developmental Adaptation
 - d. Cultural Adaptation
 - e. Race and racism
8. The Skeleton
- a. Growth and Development
 - b. Major bones and landmarks
9. Introduction to Primates: Origins and Evolution
- a. Primate characteristics and skeletal morphology
 - b. Fossil evidence
10. Introduction to Living Primates
- a. Living primate species
 - b. Primate Social organizations and cultural behavior
11. The Evolution of the Hominidae
- a. Early Hominins
 - b. The Rise of Homo
12. Origins and spread of "anatomically modern humans"
- a. The Multiregional Model
 - b. The Out of Africa Population Replacement Model
 - c. Peopling of Australia and Oceania
 - d. Peopling of the Americas

Delivery Methods and Distance Education

Delivery Method: Please list all that apply -Face to face -Online (purely online no face-to-face contact) -Online with some required face-to-face meetings ("Hybrid") -Online course with on ground testing -iTV – Interactive video = Face to face course with significant required activities in a distance modality -Other

Face 2 Face
 Online
 Hybrid
 Interactive

Rigor Statement: Assignments and evaluations should be of the same rigor as those used in the on-ground course. If they are not the same as those noted in the COR on the Methods of Evaluation and out-of-class assignments pages, indicate what the differences are and why they are being used. For instance, if labs, field trips, or site visits are required in the face to face section of this course, how will these requirements be met with the same rigor in the Distance Education section?

All assignments in distance education courses (online, hybrid and iTV) of ANTH C121 are the same as those in the on-ground course, except that students in purely online sections will submit all of their assignments virtually, and students in hybrid sections will submit some of their assignments virtually. Instructor evaluation of student work in distance education courses is the same as in the on-ground course, except that evaluation of student work in online and hybrid courses is presented virtually. Instead of onsite lectures, hybrid and online courses will use videos and written lecture notes.

Effective Student-Instructor Contact: Good practice requires both asynchronous and synchronous contact for effective contact. List the methods expected of all instructors teaching the course. -Learning Management System -Discussion Forums -Moodle Message -Other Contact -Chat/Instant Messaging -E-mail -Face-to-face meeting(s) -Newsgroup/Discussion Board -Proctored Exam -Telephone -iTV -Interactive Video -Other (specify)

forums
 message
 chat
 email
 face2face
 phone

itv

Software and Equipment: What additional software or hardware, if any, is required for this course purely because of its delivery mode? How is technical support to be provided?

software Computer with internet connection, CD, DVD, audio playback, and printer.

Accessibility: Section 508 of the Rehabilitation Act requires access to the Federal government's electronic and information technology. The law covers all types of electronic and information technology in the Federal sector and is not limited to assistive technologies used by people with disabilities. It applies to all Federal agencies when they develop, procure, maintain, or use such technology. Federal agencies must ensure that this technology is accessible to employees and the public to the extent it does not pose an "undue burden". I am using -iTV—Interactive Video only -Learning management system -Publisher course with learning management system interface.

itv
LMS
publisher

Class Size: Good practice is that section size should be no greater in distance ed modes than in regular face-to-face versions of the course. Will the recommended section size be lower than in on-ground sections? If so, explain why.

class_size Hybrid