

CATALOG INFORMATION

Dept and Nbr: ANTHRO 1      Title: PHYSICAL ANTHROPOLOGY  
Full Title: Physical Anthropology  
Last Reviewed: 4/25/2022

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:

**Catalog Description:**  
Survey of the human fossil record, primate social behavior and comparative anatomy, genetics, and human diversity. The impact of human evolution on early and future global environments; issues surrounding future adaptation.

**Prerequisites/Corequisites:**

**Recommended Preparation:**  
Eligibility for ENGL 100 or ESL 100.

**Limits on Enrollment:**

**Schedule of Classes Information:**  
Description: Survey of the human fossil record, primate social behavior and comparative anatomy, genetics, and human diversity. The impact of human evolution on early and future global environments; issues surrounding future adaptation. (Grade or P/NP)  
Prerequisites/Corequisites:  
Recommended: Eligibility for ENGL 100 or ESL 100.  
Limits on Enrollment:

Transfer Credit: CSU;UC. (CAN ANTH2)

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

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>		Effective:	Inactive:
	C	Natural Sciences	Fall 1981	
	H	Global Perspective and Environmental Literacy		
<b>CSU GE:</b>	<b>Transfer Area</b>		Effective:	Inactive:
	B2	Life Science	Fall 1981	
<b>IGETC:</b>	<b>Transfer Area</b>		Effective:	Inactive:
	5B	Biological Sciences	Fall 1981	
<b>CSU Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:
<b>UC Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:

### **CID:**

CID Descriptor: ANTH 110      Introduction to Biological Anthropology  
SRJC Equivalent Course(s):      ANTHRO1

### **Certificate/Major Applicable:**

Major Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

The following outcomes and objectives will be measured through classroom discussion, assignments, and exams. Students completing this course will be able to:

1. demonstrate knowledge of the terms, concepts and research methodologies used in the study of human evolution and biological diversity.
2. develop a basic understanding of scientific inquiry and its methods.
3. demonstrate a basic knowledge of the principles of human genetics and the development of modern evolutionary theory utilizing examples drawn from hominid/environmental issues or problems.
4. demonstrate comprehension of the place and impact of humankind within the natural world, especially within the primate order (taxonomy, comparative anatomy, environmental survival of primates today.)
5. demonstrate a basic knowledge of the fossil evidence for human evolution (names, dates, cranial capacities, and relationships to survival or extinction of both hominids as well as other megafauna.)
6. recognize and appreciate the environmental sources of biological diversity ("race") in modern populations (climate, geography, and other environmental determinants.)
7. evaluate how the human species has impacted the natural environment and how that impact now challenges the future survival of humankind.

### **Topics and Scope:**

1. Introduction to Anthropology as a scientific discipline and to the methods of scientific inquiry.
2. The development of modern evolutionary theory.
3. The principles of human genetics and the role of mutation and environmental adaptation in the past and future.
4. Modern populations, human diversity ("race"), and variations in environmental adaptation.
5. Primate taxonomy and skeletal anatomy.
6. The social behavior of non-human primates and the environmental challenges they face today.
7. Geologic time scales and chronometric dating techniques.
8. Early primate evolution: The first primates.
9. Early hominid forms in Africa and the origins of culture(s) as an environmental adaptive mechanism.
10. Evolution and expansion of *Homo erectus* from Africa into Asia and Europe. The continuing evolution of Lower Paleolithic culture as an adaptation to expanding environments. Impact of hominids on early megafauna.
11. Evolution and expansion of *Homo sapiens* in Africa, Asia, and Europe. The Neandertals and other archaic forms. Middle Paleolithic cultures maximizing global environmental niches. Impact of hominids on early megafauna.
12. Origin and expansion of anatomically modern *Homo sapiens* through Africa, Europe, Asia, Australia, and the Americas. Upper Paleolithic cultures maximizing global environmental niches. Impact of hominids on contemporary environments
13. Summary of global environmental impact of the human species and challenges for the survival of human beings in the Twenty-first century.

### **Assignment:**

1. As homework students will read and study assignments in textbooks for each class meeting.
2. Students will be expected to take extensive notes on lectures and and class discussions.
3. Students will write one or more papers on assigned topics, including field observation reports, book response papers, and critical-thought essays.
4. At the preference of the instructor, students may also be assigned map tests and other types of homework, including problem-solving worksheets.

### **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 homework, Term papers, Book responses, reaction papers and map tests	Writing 30 - 50%
<b>Problem Solving:</b> Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.	
None	Problem solving 0 - 0%
<b>Skill Demonstrations:</b> All skill-based and physical demonstrations used for assessment purposes including skill performance exams.	
None	Skill Demonstrations 0 - 0%
<b>Exams:</b> All forms of formal testing, other than skill performance exams.	
Multiple choice, True/false, Completion	Exams 20 - 60%
<b>Other:</b> Includes any assessment tools that do not logically fit into the above categories.	
Off campus research (zoo observations)	Other Category 10 - 30%

### **Representative Textbooks and Materials:**

Park, Michael. BIOLOGICAL ANTHROPOLOGY, Third Edition. Mayfield Publishing, 2001.

Jurmain, Robert, Harry Nelson, Lynn Kilgore, and Wendy Trevathan.

INTRODUCTION TO PHYSICAL ANTHROPOLOGY. Wadsworth Publishing Co., 1999.

Campbell, Bernard G. HUMANKIND EMERGING. Allyn and Bacon, 2001.