

**ANTHRO 1 Course Outline as of Spring 2010****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 1A.

**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 1A.

Limits on Enrollment:

Transfer Credit: CSU;UC.

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:
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<b>UC Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:
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### **CID:**

CID Descriptor: ANTH 110	Introduction to Biological Anthropology
SRJC Equivalent Course(s):	ANTH1

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

Major Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

Upon completion of this course, students 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. Demonstrate a basic knowledge of the principles of human genetics and the development of modern Evolutionary Theory.
3. 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).
4. Demonstrate a basic knowledge of the fossil evidence for human evolution.
5. Recognize and appreciate the environmental sources of biological diversity ("race") in modern populations (climate, geography, and other environmental determinants).
6. Evaluate how the human species has impacted the natural environment and how that impact now challenges the future survival of humankind.

### **Topics and Scope:**

- I. Introduction to Anthropology as a scientific discipline and to the methods of scientific inquiry.
- II. The development of modern Evolutionary Theory.

- III. The principles of human genetics and the role of mutation and environmental adaptation in the past and future.
- IV. Modern populations, human diversity ("race"), and variations in environmental adaptation.
- V. Bioethics and genetic innovation.
- VI. Primate taxonomy and skeletal anatomy.
- VII. The social behavior of non-human primates and the environmental challenges they face today.
- VIII. Geologic time scales and chronometric dating techniques.
- IX. Early primate evolution: The first primates.
- X. Early hominid forms in Africa and the origins of culture(s) as an environmental adaptive mechanism.
- XI. Names, dates, cranial capacities, and morphological and genetic changes in the human fossil records over time.
- XII. Evolution and expansion of *Homo erectus* from Africa into Asia and Europe.
  - A. The continuing evolution of Lower Paleolithic culture as an adaptation to expanding environments.
  - B. Impact of hominids on early megafauna.
- XIII. Evolution and expansion of *Homo sapiens* in Africa, Asia, and Europe.
  - A. The Neanderthals and other archaic forms.
  - B. Middle Paleolithic cultures maximizing global environmental niches.
- XIV. Origin and expansion of anatomically modern *Homo sapiens* through Africa, Europe, Asia, Australia, and the Americas.
  - A. Upper Paleolithic cultures maximizing global environmental niches.
  - B. Impact of hominids on contemporary environments.
- XV. The relationship among human biology, culture, and the spread of disease.
- XVI. Summary of global environmental impact of the human species and challenges for the survival of human beings in the twenty-first century.

**Assignment:**

1. For homework students will read and study assignments in textbooks for each class meeting, approximately 10-30 pages per week.
2. Students will write one or more 1-3 page papers on assigned topics, including book and article response papers, and critical-thought essays.
3. Students will complete 2-4 exams during the semester, which can include multiple choice questions, true/false completion, map identification, and short answer and essay questions.
4. Optional assignments may include assigned map tests, other types of homework, attendance, and in-class participation.

**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, Book responses, and reaction papers
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Writing 20 - 40%
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**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.

Multiple choice, True/false, Completion, Short answer, Map tests

Exams  
55 - 75%

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

Attendance and In-class participation

Other Category  
0 - 5%

**Representative Textbooks and Materials:**

Core Concepts in Biological Anthropology. Fuentes, Agustin: McGraw Hill, Boston: 2007.

Our Origins: Discovering Physical Anthropology. Larsen, Clark. W.W. Norton & Company: 2008

Transformations: Readings in Evolution, Hominins, and the Environment, Sixth edition. Smith, Dianne and Slovak, Nicole (Ed). Hayden-McNeil Publishing Inc., Plymouth: 2008