

CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

**NEW COURSE PROPOSAL**

DATE: NOVEMBER 7, 2005  
 PROGRAM AREA \*ANTHROPOLOGY

**1. Catalog Description of the Course.** *[Follow accepted catalog format.]*

Prefix ANTH Course# 104 Title INTRODUCTION TO BIOANTHROPOLOGY Units (3)  
 3 hours per week

- Prerequisites  
 Corequisites

Description Bioanthropology is the study of the evolution and diversity of humans and their close relatives. Examines primate evolution. Explores human genetics and the natural selection forces affecting how we became humans and developed into the diverse forms found today. Understanding of adaptations to environments. Concepts of race examined.

- Gen Ed Categories B2  
 Lab Fee Required  
 A - Z  
 Graded  CR/NC  
 Repeatable for up to \_\_\_\_\_ units  
 Total Completions Allowed \_\_\_\_\_

**2. Mode of Instruction.**

	Units	Hours per Unit	Benchmark Enrollment	Graded Component	CS # (filled in by Dean)
Lecture	3	1	35	<input type="checkbox"/>	_____
Seminar	_____	_____	_____	<input type="checkbox"/>	_____
Laboratory	_____	_____	_____	<input type="checkbox"/>	_____
Activity	_____	_____	_____	<input type="checkbox"/>	_____

**3. Justification and Learning Objectives for the Course.** (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements) *[Use as much space as necessary]*

This course contributes to the Liberal Studies options and General Education. This introductory course provides the student with a basic understanding of human biological from the African forests and savannahs of 30 million years ago to the present. Because of its evolutionary thrust, this course provides an excellent foundation for further study in history, biology, geology, and anthropology, as well as a general understanding of humanity.

Learning Objectives. Upon completion of course, the student will be able to:

- Outline the major trends in human evolution.
- Discuss the mechanisms of evolution in general and specifically how they apply to human evolution.
- Describe the biological adaptations humans have made through time.

**4. Is this a General Education Course** YES  NO   
 If Yes, indicate GE category and attach GE Criteria Form:

- A (English Language, Communication, Critical Thinking)**
- A-1 Oral Communication
  - A-2 English Writing
  - A-3 Critical Thinking
- B (Mathematics, Sciences & Technology)**
- B-1 Physical Sciences
  - B-2 Life Sciences – Biology
  - B-3 Mathematics – Mathematics and Applications
  - B-4 Computers and Information Technology
- C (Fine Arts, Literature, Languages & Cultures)**
- C-1 Art
  - C-2 Literature Courses
  - C-3a Language

C-3b Multicultural   
**D (Social Perspectives)**   
**E (Human Psychological and Physiological Perspectives)**   
**UD Interdisciplinary**

**5. Course Content in Outline Form.** *[Be as brief as possible, but use as much space as necessary]*

Introduction; Origin Myths, What is Anthropology?  
Uniformitarianism, Natural Selection, and Evolution  
Evolution  
Evolutionary Theory  
Primate Evolution  
Analogy and the Past  
Dating Methods, Understanding the Past  
Hominid Evolution: Early Hominids  
Hominid Evolution: Homo erectus  
Hominid Evolution: Homo sapiens  
Modern Humans: Upper Paleolithic  
Adaptation to Altitude, Cold, Heat

Does this course overlap a course offered in your academic program? YES  NO   
If YES, what course(s) and provide a justification of the overlap?

Does this course overlap a course offered in another academic area? YES  NO   
If YES, what course(s) and provide a justification of the overlap?  
Signature of Academic Chair of the other academic area is required on the consultation sheet below.

**6. Cross-listed Courses (Please fill out separate form for each PREFIX)**

List Cross-listed Courses

Signature of Academic Chair(s) of the other academic area(s) is required on the consultation sheet below

Department responsible for staffing:

**7. References.** *[Provide 3 - 5 references on which this course is based and/or support it.]*

FAGAN, BRIAN M.  
2003 People of the Earth. 10th ed. Prentice Hall, Upper Saddle River, NJ.  
FEDER, KENNETH L.  
2000 The Past in Perspective: An Introduction to Human Prehistory. 2nd ed. Mayfield, Mountain View, CA.  
FEDER, KENNETH L. AND MICHAEL ALAN PARK  
2001 Human Antiquity: An Introduction to Physical Anthropology and Archaeology. 4th ed. Mayfield, Mountain View, CA.  
PATTERSON, THOMAS C.  
1993 Archaeology: The Historical Development of Civilizations. 2nd ed. Prentice Hall, Upper Saddle River, NJ.  
SCARRE, CHRISTOPHER AND BRIAN M. FAGAN  
2004 Ancient Civilizations. 2nd ed. Prentice Hall, Upper Saddle River, NJ.

**8. List Faculty Qualified to Teach This Course.**

William H. Adams

**9. Frequency.**

a. Projected semesters to be offered: Fall  Spring  Summer

**10. New Resources Required. YES  NO**

If YES, list the resources needed and obtain signatures from the appropriate programs/units on the consultation sheet below.

a. Computer (data processing), audio visual, broadcasting needs, other equipment)

b. Library needs

c. Facility/space needs

**11. Will this new course alter any degree, credential, certificate, or minor in your program? YES  NO**

If, YES attach a program modification form for all programs affected.

William H. Adams  
Proposer of Course

11/22/2004  
Date

## Approvals

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Program Chair

Date

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Curriculum Committee Chair

Date

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Dean

Date

## GE CRITERIA APPROVAL FORM

*Course Number and Title:* ANTH 104 Introduction to Bioanthropology

*Faculty member(s) proposing Course:* William H. Adams

**Indicate which of the following GE would be satisfied by this course by marking an "X" on the appropriate lines.** Courses may be placed in up to *two* GE categories as appropriate. Upper Division Interdisciplinary GE courses (UDIGE) may be placed in two GE categories in addition to the UDIGE category.

<b>GE Category</b>	
<input type="checkbox"/>	A1: Oral Communication
<input type="checkbox"/>	A2: English Writing
<input type="checkbox"/>	A3: Critical Thinking
<input type="checkbox"/>	B1: Physical Sciences—Chemistry, Physics, Geology, and Earth Sciences
<input checked="" type="checkbox"/>	B2: Life Sciences—Biology
<input type="checkbox"/>	B3: Mathematics—Mathematics and Applications
<input type="checkbox"/>	B4: Computers and Information Technology
<input type="checkbox"/>	C1: Art
<input type="checkbox"/>	C2: Literature
<input type="checkbox"/>	C3a: Language
<input type="checkbox"/>	C3b: Multicultural
<input type="checkbox"/>	D: Social Perspectives
<input type="checkbox"/>	E: Human Physiological and Psychological Perspectives
<input type="checkbox"/>	Upper Division Interdisciplinary GE
Lab Included?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Please provide a brief explanation of how the proposed course meets *each* of the criteria for the selected GE categories.

**B2-LIFE SCIENCES--BIOLOGY**  
**GE CRITERIA APPROVAL FORM**

*Course Number and Title:*

*Faculty member(s) proposing Course:*

Please provide a brief explanation of how the proposed course meets *each* of the criteria for the selected GE category.

- *Promote the understanding and appreciation of the methodologies of math or science as investigative tools and the limitations of mathematical or scientific endeavors*  
Basic understanding of how bioanthropology is done, its limitations and scope, within the larger context of science itself. Hypothesis testing, scientific method, experimentation.
- *Present mathematical or scientific knowledge in a historical perspective and the influences of math or science on the development of world civilizations, both past and present*  
Human biological history is presented from early hominoids and hominids to present day adaptations to diseases. Earlier primate history is included as well, in discussing the evolution of humans from early insectivores.
- *Apply inductive and deductive reasoning processes and explore fallacies and misconceptions in the mathematical or scientific areas.*  
In the exploration of human evolution, analogical reasoning is used extensively, as are induction and deduction. Numerous fallacies of logic are discussed as these relate to commonly misunderstood principles.
- *Present the principles and concepts that form the foundation of living systems.*  
Lectures cover basic evolutionary theory, natural selection, genetic basis for change, etc.