CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

NEW COURSE PROPOSAL

DATE 1.16.07
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 lecture per week
hours blank per week
☐ Prerequisites
☐ Corequisites
Description Examines primate evolution, human genetics, and the natural selection forces affecting human evolution. Understanding adaptations to environments and concepts of race examined.

Graded
☒ Gen Ed ☐ CR/NC ☐ Repeatable for up to units
Categories B2
☐ Lab Fee Required ☐ A - F Total Completions Allowed
☒ Optional (Student's choice) ☐ Multiple Enrollment in same semester
☐ Title V Section 40404: ☐Government ☐US Constitution ☐US History

2. Mode of Instruction.

	Units	Hours per Unit	Benchmark Enrollment	Graded Component	CS & HEGIS # (filled in by Dean)
Lecture	3	1	35	☒	
Seminar				☐	
Laboratory				☐	
Activity				☐	

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 is a required course for the BA in Anthropology.

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

- Outline the major trends in primate and human evolution.
- Discuss the mechanisms of evolution (genetics, natural selection) in general and specifically how these apply to human evolution.
- Describe the biological adaptations humans have made through time to cold, heat, desert, altitude, latitude, disease, etc.
- Differentiate between race and culture in issues of diversity and multiculturalism.

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]*

1. Introduction; Origin Myths, What is Anthropology?
2. Uniformitarianism, Natural Selection, and Evolution
3. Evolution
4. Evolutionary Theory
5. Primate Evolution
6. Analogy and the Past
7. Dating Methods, Understanding the Past
8. Hominid Evolution: Early Hominids
9. Hominid Evolution: Homo erectus
10. Hominid Evolution: Homo sapiens
11. Modern Humans: Upper Paleolithic
12. 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? ANTH 345 Bioanthropology explores the same material at an advanced level. ANTH 104 is an introduction and parallels community college offerings. This course replaces ANTH 103 by focusing the entire semester on what was covered in half the semester in ANTH 103. ANTH 103 was approved as GE B2.

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(s) of the other academic area(s) is required on the signature sheet below.

6. Cross-listed Courses (Please fill out separate description for each PREFIX)
List Cross-listed Courses

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

Department responsible for staffing: Sociology and Anthropology

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

Delisle, Richard G.
2007 Debating Humankind's Place in Nature. Prentice Hall, Upper Saddle River, NJ.

Feder, Kenneth L. and Michael Alan Park
2001 Human Antiquity: An Introduction to Physical Anthropology and Archaeology. 4th ed. Mayfield, Mountain View, CA.

Stein, Philip L. and Bruce M. Rowe
2006 Physical Anthropology. 9th edition. McGraw-Hill, New York.

Strum, Shirley C., Donald G. Lindburg, and David Hamburg
1999 The New Physical Anthropology. Prentice Hall, Upper Saddle River, NJ.

8. List Faculty Qualified to Teach This Course.

William Hampton Adams, PhD

9. Effective Date and Frequency.

a. Projected semesters to be offered: Fall ☒ Spring ☒ Summer ☐

b. First semester offered: Fall 2007

10. New Resources Required. YES ☐ NO ☒

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

Willia m Hampton Adams — Proposer of Course

10/28/2006 — Date

Request for GE Approval

Course Title	ANTH 104 Introduction to Bioanthropology
Units	3
Lab	No
New	Yes

GE Category	B2 Life Sciences -- Biology
Submitter	Adams, William
Submission Date	11-06-2006
Status	Approved

Criteria Justifications

- 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. The course covers human evolution and so the limits of dating methods are examined. The course details not only what we know, but how we know it. The scientific and social definitions of race are examined.

- Present mathematical or scientific knowledge in a historical prespective and the influences of math and 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 foundations of living systems

  Lectures cover basic evolutionary theory, natural selection, genetic basis for change, adaption, adaptive radiation, speciation, energy systems, response to disease and diet, etc.

Approval Sheet

Program/Course: Anthropology / ANTH 104 INTRODUCTION TO BIOANTHROPOLOGY

_____

Program Chair(s) Date

_____

General Education Chair(s) Date

_____

Curriculum Committee Chair(s) Date

Dean of Faculty Date