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

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

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.

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

2. Mode of Instruction.

<table>
<thead>
<tr>
<th>Component</th>
<th>Units</th>
<th>Hours per Unit</th>
<th>Benchmark Enrollment</th>
<th>Graded Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>3</td>
<td>1</td>
<td>35</td>
<td>☐</td>
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<tr>
<td>Seminar</td>
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<tr>
<td>Laboratory</td>
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<tr>
<td>Activity</td>
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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.
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.

Proposer of Course _______________________________ Date
## Approvals

<table>
<thead>
<tr>
<th>Position</th>
<th>Date</th>
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<tbody>
<tr>
<td>Program Chair</td>
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<tr>
<td>Curriculum Committee Chair</td>
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<td>Dean</td>
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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.

<table>
<thead>
<tr>
<th>GE Category</th>
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<tbody>
<tr>
<td>A1:   Oral Communication</td>
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<tr>
<td>A2:   English Writing</td>
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<td>A3:   Critical Thinking</td>
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<td>B1:   Physical Sciences—Chemistry, Physics, Geology, and Earth Sciences</td>
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<td>B2:   Life Sciences—Biology</td>
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<td>B3:   Mathematics—Mathematics and Applications</td>
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<td>B4:   Computers and Information Technology</td>
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<td>E:    Human Physiological and Psychological Perspectives</td>
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</table>

Upper Division Interdisciplinary GE

Lab Included? Yes ______  No ______ X _____

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