CC APPROVAL:	12/06/2017
ACADEMIC SENATE APPROVAL:	02/28/2018
BOT APPROVAL:	03/12/2018
STATE ID:	CCC000290623
EFFECTIVE TERM:	Summer 2018

College of the Sequoias
Course Outline of Record

SUBJECT AREA AND COURSE NUMBER: ANTH 011

COURSE TITLE: BIOLOGICAL ANTHROPOLOGY

UNITS/HOURS
Units: 3

Hours:
Lecture Hours Per Week: 3 — **Total Lecture Hours Per Semester:** 52.5
Lab Hours Per Week: — **Total Lab Hours Per Semester:**

Activity Hours Per Week: — **Total Activity Hours Per Semester:**

Total Hours Per Week: 3 — **Total Contact Hours Per Semester:** 52.5

TOP CODE: 2202.00 - Anthropology

SAM CODE: Non-occupational

Cross-Listed Courses:

CATALOG COURSE DESCRIPTION:

This course introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and their application to the human species. Issues and topics will include, but are not limited to, genetics, evolutionary theory, human variation and biocultural adaptations, comparative primate anatomy and behavior, and the fossil evidence for human evolution. The philosophy of science and the scientific method serve as foundations to the course.

REQUISITES:

Advisories:

- ENGL 251 or equivalent college course with "C" or better or eligibility for ENGL 1 determined by COS Placement Procedures.
- ENGL 261

FIELD TRIP REQUIREMENTS: Not Required

GRADING: S - Standard Grading A-F

REPEATABLE:

TRANSFERABLE:
Approved COS GE--Fall 2013 Forward
B: Natural Sciences
Approved COS GE--Pre Fall 2013
B: Natural Science-Physical Sci
Approved CSU GE Area B: Natural Science & Mathematics
B2: Life Science

Approved IGETC Area 5: Physical and Biological Sciences
5F: Biological Science Lecture only
Approved UC BA Transferable (1-99)
YES

METHODS OF INSTRUCTION:

Methods of instruction may include, but are not limited to, the following:

* Distance Education
* Lecture and/or Discussion

METHODS OF EVALUATION:

A student's grade will be based on multiple measures of performance unless the course requires no grade. Multiple measures may include, but are not limited to, the following:

Skill demonstrations
Essay quizzes or exams
Written essays or extended papers
Multiple choice tests
Short answer quizzes or exams
Oral presentations
Project

COURSE TOPICS:

1. Nature of scientific inquiry and the scientific method
2. Anthropological perspective
3. History and development of biological evolutionary thought
4. Molecular, Mendelian and population genetics
5. Mechanisms of evolution
6. Comparative primate taxonomy, anatomy and behavior
7. The nature of the fossil record including dating techniques
8. Fossil and genetic evidence of human evolution
9. Biocultural adaptations and modern human variation
10. Forensic anthropology

OUTCOMES:
Course Objectives
The main concepts for this course will ask students to...

1. Describe the scientific process as a methodology for understanding the natural world.
2. Explore scientific history as it relates to the theory of evolution through natural selection.
3. Define the scope of anthropology and discuss the role of biological anthropology within the discipline.
4. Identify the main contributors to the development of evolutionary theory, explain the basic principles of Mendelian, molecular and population genetics, and evaluate how the forces of evolution produce genetic and phenotypic change over time.
5. Demonstrate an understanding of classification, morphology and behavior of living primates.
6. Summarize methods used in interpreting the fossil record, including dating techniques.
7. Recognize the major groups of hominin fossils and describe alternate phylogenies for human evolution.
8. Identify the biological and cultural factors responsible for human variation.
9. Evaluate how the forces of evolution produce genetic and phenotypic change over time.
10. Understand the basic techniques and analyses of forensic anthropology including the realities and challenges of this subfield.

Assignments

Reading:
- Chapters from the textbook, assigned weekly.
- Current scholarly research articles.

Writing:
- Write a report after the analysis of data gathered from a record of Mendelian traits.
- Provide short answer essays to prompts such as: the significance of the African continent to *Homo sapiens*.
- Offer educated opinions after reflecting on the course content such as: the relatedness of Neanderthals and modern humans.

Homework:
- Chapter summaries of assigned reading.
- Written/oral responses to scholarly articles.
- Internet research on topics such as: having primates as pets.
- Assignments related to a semester project on Mendelian genetics.

TEXTS AND SUPPLIES:
Textbooks may include, but are not limited to:

TEXTBOOKS:
1. Larsen, Clark. Essentials of Physical Anthropology, 3rd ed. Norton, 2016, ISBN: 9780393938661

MANUALS:

PERIODICALS:

MATERIALS FEE: NO

OTHER:

Distance Ed

ANTH 11 DLA

SLO: http://cos.edu/CO318

ANTH 11 outcomes

ORIGINATOR: Marla Prochnow

DATE: 10/10/2017