

**PALOMAR COLLEGE**  
**COURSE OUTLINE OF RECORD FOR**  
**DEGREE CREDIT COURSE**

Transfer course     A.A. degree applicable course  
(check all that apply)

**COURSE NUMBER AND TITLE:** ANTH 100    Introduction to Physical Anthropology

**UNIT VALUE:** 3

**MINIMUM NUMBER OF SEMESTER HOURS:** 48

**BASIC SKILLS REQUIREMENTS:** Appropriate language and computational skills

**ENTRANCE REQUIREMENTS**

**PREREQUISITE:** None

**COREQUISITE:** None

**RECOMMENDED PREPARATION:** None

**SCOPE OF COURSE:**

Human bio-cultural origins. The place of humans in nature. Fossil evidence for human and other primate evolution; genetic variability; primate behavior; relationship of physical and cultural adaptations. CSU; UC (CAN ANTH 2)

**SPECIFIC COURSE OBJECTIVES:**

The successful student will be able to:

1. Apply the scientific method of inquiry to anthropological data
2. Comprehend the processes of biological evolution and genetic inheritance
3. Analyze and critically evaluate new data relating to human and other primate evolution
4. Apply the principles of genetics to real life situations
5. Demonstrate an understand the processes of human reproduction and maturation
6. Demonstrate and understand the nature of human biological diversity
7. Compare and contrast the various ways humans adapt to environmental stresses

**CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:**

1. Subdivisions of Anthropology
2. Early history of evolutionary thought culminating in the work of Charles Darwin
3. Mendelian genetics and major exceptions to it
4. Human cytogenetics and molecular genetics
5. Population genetics including the Hardy-Weinberg equilibrium model
6. Mechanism of micro and macro evolution

7. Human physiological adaptability to environmental stresses
8. Modern human biological variation and the history of the concept and study of race
9. Linnaean classification of living things with an emphasis on the place of humans relative to other animals
10. Primate taxonomy (based on structural homologies and biochemical data) and primate behavior
11. Principles of paleoanthropology
12. Dating methods (relative and chronometric)
13. Geological time scale of the earth (as a background to the study of primate evolution)
14. Early primate evolution
15. Hominid bio-cultural evolution leading to modern humans with an emphasis on the fossil record

### **REQUIRED READING:**

Examples of texts that would be appropriate to the course objectives include the following:

Boaz, Noel T. and Alan Almquist. Biological Anthropology: A Synthetic Approach to Human Evolution. 2<sup>nd</sup> ed. Upper Saddle River, New Jersey: Prentice hall, 2002.

Boyd, Robert and Joan B. Silk. How Humans Evolved. 2<sup>nd</sup> ed. New York: W.W. Norton, 1999.

Campbell, Bernard G. and James D. Loy. Humankind Emerging. 8<sup>th</sup> ed. New York: W.W. Norton, 1999.

Haviland, William A. Human Evolution and Prehistory. 6<sup>th</sup> ed. New York: Harcourt Brace, 2003.

Jurmain, Robert, Harry Nelson, and Lynn Kilgore. Essential of Physical Anthropology. 4<sup>th</sup> ed. Belmont, CA: West/Wadsworth, 2001.

Jurmain, Robert, , Lynn Kilgore, Wenda Treevathan, and Harry Nelson. Introduction to Physical Anthropology. 9<sup>th</sup> ed. Belmont, CA: West/Wadsworth, 2003.

Relethford, John H. Fundamentals of Biological Anthropology. 2<sup>nd</sup> ed. New York: McGraw Hill, 1997

Relethford, John H. The Human Species: An Introduction to Biological Anthropology. 5<sup>th</sup> ed. New York: McGraw Hill, 2002.

Stein, Philip L. and Bruce M. Rowe. Physical Anthropology. 8<sup>th</sup> ed. New York: McGraw Hill, 2003.

Stein, Philip L. and Bruce M. Rowe. Physical Anthropology: The Core. 2<sup>nd</sup> ed. New York: McGraw Hill, 1998.

### **SUGGESTED READING:**

The following can be read or assigned for emphasis on current anthropological issues:

Newspapers (e.g., San Diego Union Tribune and Los Angeles Times), popular journals (e.g., Newsweek and Time), academic journals (e.g., American Anthropologist, American Journal of Physical Anthropology, Current Anthropology, Evolutionary Anthropology, and Sciences), and science related websites (e.g., those of Science, Science News, Scientific American, and Nature)

**REQUIRED WRITING:**

Multiple choice, true-false, short answer, and 1-3 page essay questions on exams. 5-10 page extra credit reports (e.g., book reports or research reports) may also be options.

**OUTSIDE ASSIGNMENTS:**

**Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes.**

Reading of about 500 pages of text, studying lecture notes, computer based tutorial(s) which parallel course content, and/or short written assignments or exercises, as well as preparation for exams.

**INSTRUCTIONAL METHODOLOGY:**

**Check all that apply:**

- lecture  
 laboratory  
 lecture-laboratory combination  
 directed study

Lecture, discussion, films, video tapes, slides, and/or field trips.

**DISTANCE LEARNING:**

**This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.**

Yes  No

**If yes, check all that apply.**

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)  
 Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)  
 Two-Way Video Conferencing (Two-way interactive video and audio)  
 One-Way Video Conferencing (One-way interactive video and two-way interactive audio)  
 Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

**GRADING POLICY AND STANDARDS** (include methods of determining whether the stated objectives have been met by students):

A series of 3 to 4 equally weighted exams consisting of a combination of objective (multiple choice, true-false, matching), short answer, and essay questions. Class participation may be used to decide grades on borderline cases.

**IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?**

Yes  No  Number of times course may be taken for credit: 1

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

**CONTACT PERSON:** Dennis O'Neil, x2339; Phil deBarros, x2343

## SIGNATURES ON FILE