COURSE INFORMATION FORM

DISCIPLINE
Anthropology

COURSE TITLE
Introduction to Physical Anthropology

CR.HR  LECT HR.  LAB HR.  CLIN/INTERN HR.  CLOCK HR.
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CATALOG DESCRIPTION
The course will be a study of the basic concepts, methods, and research areas in physical anthropology. Scientific methods, forces of evolution (especially as they relate to global diversity), dating methods, archaeological techniques, primate characteristics and behavior, the tracing of primate and human evolution through skeletal material and artifacts, and the biocultural and behavioral adaptations of humans to differing environments resulting in diverse global populations will be among the topics discussed.

PREREQUISITES

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:

1. Use the scientific method and critical thinking in the analysis of problems.
2. Describe which forces of evolution are impacting various populations.
3. Compare and contrast human morphology and behavior with that of other primates.
4. Trace the evolution of fossil primates and hominins.
5. Trace the evolution of modern humans.
6. Describe the impact of the environment on the biocultural and behavioral adaptations that have led to human diversity.

GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes                   ESO
2. Critical Thinking B. Define, analyze, and evaluate information, materials and data
4. Integrate Information and see relevant relationships that broaden and deepen understanding
4. Quantitative Literacy and Mathematical Analysis A. Present valid written and verbal arguments that include quantitative information
5. Natural and Physical Sciences B. Evaluate scientific evidence and argument
5. Natural and Physical Sciences D. Describe and apply current theoretical explanations of the nature, organization, and evolution of living systems
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. 

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Class discussions (1-8)
2. Written assignments (1-8)
3. In-class activities (1-8)
4. Papers (1-8)
5. Exams (1-8)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Introduction to Physical Anthropology
   A. What is Anthropology?
   B. The Anthropological Perspective

II. Development of Evolutionary Theory
   A. History of Evolutionary Thought
   B. Darwin and Wallace: Natural Selection
   C. Evolutionary Theory

III. Biological Basis of Life
   A. Genetics
   B. Meiotic Recombination

IV. Heredity and Evolution
   A. Mendelian Inheritance
   B. Polygenic Inheritance
   C. Mechanisms of Evolution

V. Microevolution in Modern Human Populations
   A. Population Genetics
   B. Human Polymorphisms
   C. Biocultural Evolution

VI. Human Variation and Adaptation
   A. Concept of Race
      1. History of Race and Racism
   B. Adaptive Significance of Human Variation

VII. *Growth and Development
    A. Fundamentals
    B. Nutritional Effects
    C. Human Life Cycle

VIII. Macroevolution
    A. Taxonomy
    B. Timescale
       1. Geological Time
       2. Molecular Clock
    C. Mammalian Evolution
IX. Overview of Living Primates
   A. Taxonomy
      1. Prosimians
      2. Anthropoids
      3. Hominoids
   B. Biological Adaptations
   C. Primate Behavior
      1. Ecology
      2. Social Behavior
      3.Male and Female Reproductive Strategies
      4. Primate Models for Human Evolution

X. Primate Evolution
   A. Paleocene Mammals
   B. Eocene Primates
   C. Oligocene Anthropoids
   D. Miocene Apes

XI. Paleonanthropology
   A. Dating Methods
   B. Taphonomy
   C. Excavations

XII. Plio-Pleistocene Hominins
   A. Bidpedality
   B. Sites in Africa
   C. Sites outside Africa
   D. Taxonomic Issues
   E. Lower Paleolithic Hominins
   F. Middle Paleolithic Humans
   G. Upper Paleolithic Humans