

**STATE UNIVERSITY OF NEW YORK
COLLEGE OF TECHNOLOGY
CANTON, NEW YORK**

COURSE OUTLINE

INTRODUCTION TO PHYSICAL ANTHROPOLOGY AND ARCHAEOLOGY

ANTH 101

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**SCHOOL OF BUSINESS AND LIBERAL ARTS
DEPARTMENT OF SOCIAL SCIENCES
APRIL 2015**

ANTH 101 - INTRODUCTION TO PHYSICAL ANTHROPOLOGY AND ARCHAEOLOGY

- A. **TITLE:** Introduction to Physical Anthropology and Archaeology
- B. **COURSE NUMBER:** ANTH 101
- C. **CREDIT HOURS:** 3
- D. **WRITING INTENSIVE COURSE:** N/A
- E. **COURSE LENGTH:** 15 Weeks
- F. **SEMESTER(S) OFFERED:** Fall or Spring
- G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:** 3 hours lecture per week
- H. **CATALOG DESCRIPTION:** Introduction to Physical Anthropology and Archaeology provides an overview of the theory of evolution, the genetic basis of variation, the fossil record leading to and including human evolution, basic issues of method and theory in archaeology, selected topics in prehistory.
- I. **PRE-REQUISITES/CO-COURSES:** None.
- J. **GOALS (STUDENT LEARNING OUTCOMES):** By the end of this course, the student will:

<i>Course Objective</i>	<i>Institutional SLO</i>
a. Be able to summarize the major biological, social and cultural adaptations that characterize the origin of our species.	2. Crit. Thinking 3. Prof. Competence
b. Be able to delineate the phylogenetic relationships between hominids and our non-human primate relatives.	2. Crit. Thinking 3. Prof. Competence
c. Be able to describe the current methods and techniques used by paleoanthropologists in reconstructing our ancestor's behavior and phylogenetic relationships.	1. Communication 3. Prof. Competence
d. Be able to discuss and critically evaluate the evidence of hominid evolution.	1. Communication 2. Crit. Thinking 3. Prof. Competence
e. Be able to discuss the links between evolution and culture, and further how each have and continue to shape the physical diversity of our species.	1. Communication 2. Crit. Thinking 4. Inter-Intrapersonal skills

- K. **TEXT(S):** Determined by Instructor; example text: Lewis and Jurmain (2012) Understanding Humans: An Introduction to Physical Anthropology and Archaeology. Cengage Advantage Books.
- L. **REFERENCES:** (including, but not limited to)

- Physical Anthropology and Archaeology – Ember, Ember
- Essentials of Biological Anthropology – Boaz, Almquist
- Introduction to Physical Anthropology – Jurmain, Nelson
- The Human Species – Relethford

- Humankind Emerging – Campbell
- How Humans Evolved – Boyd
- Paleoanthropology – Wolpoff
- Archaeology – Thomas
- Field Methods in Archaeology – Hester, et al.

M. **EQUIPMENT:** TBD by Instructor

N. **GRADING METHOD:** A – F

O. **MEASUREMENT CRITERIA/METHODS:** Students will be evaluated based upon their participation/contribution, homework/project quality, and achievement on examinations. Included are:

- Participation in weekly discussion topics (online course only)
- Participation in classroom discussions
- In class examinations
- Online quizzes and/or examinations (online and onsite classes)
- Quality of written homework assignments, in class activities, and research projects

P. **DETAILED TOPICAL OUTLINE:**

Introduction to Anthropology

- a) Four-field approach
 - b) The Anthropological Perspective
-

Evolutionary Theory

- a) Natural Selection
 - b) Charles Darwin; Lyell
-

Biological Basis of Life

- a) Cells
 - b) DNA
 - c) Protein Synthesis
-

Heredity and Evolution

- a) Mendel
 - b) Genetic and Environmental Influences
-

Living Primates

- a) Characteristics
 - b) Adaptations
 - c) Survey of Living Primates
-

Primate Behavioral Adaptation

- a) Field Studies
 - b) Evolution of Behavior
 - c) Reproduction
-

Macroevolution

- a) Processes of...
 - b) Our Place in the Organic World
-

Hominid Origins

- a) Bipedal Adaptation
 - b) Dating Methods
 - c) African Hominids
-

The Emergence of *Homo*

- a) Morphology
 - b) Lower Paleolithic Culture
 - c) Population Trends
-

Neanderthals /Archaic *Homo sapiens*

- a) Early *H. sapiens*
 - b) Middle Paleolithic Culture
 - c) Evolutionary Trends
-

Homo sapiens

- a) Origin and Dispersal
 - b) Early Discoveries
 - c) Upper Paleolithic Cultures
-

Human Variation and Adaptation

- a) Concept of Race
 - b) Adaptations
 - c) Variations
-

Perspective on Life Course

- a) Factors Influencing Growth and Development
 - b) Human Life Cycle
-

The Past and the Future...

- a) Are we successful?
 - b) Impact of Culture
 - c) Are we facing extinction?
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