

Course Name: Introduction to Physical Anthropology

Course Number: ANT 202

Credits: 3

Contact Hours: 3 Lecture

Catalog Description:

This course traces human development from its earliest beginnings to present day. It introduces students to human evolution, variation, and adaptation, focusing on attributes shared with primates as well as those uniquely human. (Social and Behavioral Sciences elective)

Prerequisite: ANT 200

Potential Textbooks or Other Resource Material:

Introduction to Physical Anthropology 11th edition, Jurmain, Kilgore, Travatha, and Ciochon.

Human Origins Website: <http://www.geocities.com/athens/acropolis/5579/TA2.html>

Panda's Thumb: <http://www.pandasthumb.org/>

Talk Origins: <http://www.talkorigins.org/faqs/homs/>

DNA from the Beginning: <http://www.dnaftb.org/dnaftb/1/concept/index.html>

African Primates: <http://www.indiana.edu/~primate/primates.html>

Serendip's Exchange: <http://serendip.brynmawr.edu/exchange/>

Jane Goodall Institute: <http://janegoodall.org/>

Male and Femal Skeleton: <http://www.secondtype.com/skeleton.htm>

[http://www.3dscience.com/Resources/3d\\_Skeleton.php](http://www.3dscience.com/Resources/3d_Skeleton.php)

Skull Comparison: <http://www.indiana.edu/~ensiweb/lessons/hom.cran.html>

Smithsonian Human Origins: <http://anthropology.si.edu/humanorigins/>

Dating Review:

<http://global.csc.edu/social/Junk/socbeh/anth/anth200/dating/index.htm>

Course Objectives:

This course will:

1. Introduce students to the biological characteristics that define the human species
2. Introduce the role that environment plays in shaping human biological characteristics
3. Provide a physical record of human evolution
4. Provide an understanding of human variation and adaptation

Student Learning Outcomes:

Students will:

1. Outline and describe the various theories of the emergence of humankind. (OSS002 Outcomes #1, #2, #3, and #6)
2. Identify biological characteristics that define the human species. (OSS002 Outcomes #1, #2, #3)
3. Compare and contrast the anatomical and behavioral characteristics of primates and those of the human species. (OSS002 Outcomes #1, #5 and #6)
4. Identify significant aspects of human physical diversity and its impact on the concept of "race". (OSS002 Outcomes #3, and #4)

5. Explain the effects of evolution and basic genetic concepts including molecular and population genetics on the human species (OSS002 Outcomes #1, # 2 and #3)
6. Outline and describe the major fossil evidence of primate evolution including hominid evolution. (OSS002 Outcomes#5 and #6)

#### Course Content with Tentative Timetable

##### Week Topic

- 1 Introduction to Physical Anthropology
- 2 Evolutionary Theory
- 3 Heredity
- 4 Vertebrate and Mammalian Evolution
- 5 Primates
- 6 Primates
- 7 Primate as Models for Human Evolution
- 8 Fossil Primates
- 9 Early Hominids
- 10 Early Hominids
- 11 Genus: Homo
- 12 Pre-modern Humans
- 13 Modern Humans
- 14 Human Variations
- 15 Human Adaptations
- 16 Human Adaptations

Prepared by: Denise Shuster

Date: November, 2008

#### **Additional Documentation:**

Course Syllabus

Fall Semester 2009

School of Arts and Sciences

Course Name: Introduction to Physical Anthropology

Course Number: ANT 202

Section Number:

Meeting Day(s) and Time(s):

Credits: 3

Contact Hours: 3

Instructor's Name:

Office Hours & Location:

Campus Phone:

Campus E-mail:

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Panda's Thumb: <http://www.pandasthumb.org/>

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DNA from the Beginning: <http://www.dnaftb.org/dnaftb/1/concept/index.html>

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Smithsonian Human Origins: <http://anthropology.si.edu/humanorigins/>

Dating Review:

<http://global.csc.edu/social/Junk/socbeh/anth/anth200/dating/index.htm>

General Information:

For information on FERPA, Cheating and Plagiarism, Assessment of Student Learning Outcomes and Student Code of Conduct, please refer to the appropriate section of the current Owens Community College Catalog online.

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5. Explain the effects of evolution and basic genetic concepts including molecular and population genetics on the human species (OSS002 Outcomes #1, #2 and #3)
6. Outline and describe the major fossil evidence of primate evolution including hominid evolution. (OSS002 Outcomes #5 and #6)

Grading Procedure: (i.e., include the way in which the grade is calculated and the values of each specific major assignment or test. The procedure must be within the range below.)

Class Participation	5-15%
Written Assignments	20-50 %
Exams	20-50%
Field experience/trip	15-20%
Total	100%

Specific Course Rules (may include items such as policies on make-up tests, late assignments, class participation, cell phone usage, tape recording, and attendance, among others)

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Disability Resources Services: If you have a disability or acquire one, you may be entitled to receive individualized services and/or accommodations intended to assure you an equal opportunity to participate in and benefit from the program. To receive more information or to apply for services, please contact the Disability Resources Services Office.

Resources: Writing Center

The Writing Center offers friendly assistance to help students improve their writing skills. Students may bring notes, prewrites, outlines, and drafts to the Writing Center, and professionally trained writers will assist them in developing the skills necessary to become independent and effective writers.

Students may call 567-661-7351 to schedule an appointment; however, the Writing Center also welcomes walk-ins. Writing Center staff encourages students to bring their writing in early enough to allow ample time for revision (this may require more than one conference). The Writing Center is located in College Hall room 156-D (or on the Findlay Campus, in Room 149 [567-429-3628]). Hours of operation vary per semester; the Owens Community College web site lists current hours of operation.

Class Assignments (include those activities which suit your teaching style):

Can I Dig Your Car: Students will be responsible for an archeological dig of another student's vehicle. You should record observations and make educated guesses about the student who drives the car. (In class activity)

Toledo Zoo Fieldtrip: All students will be required to go to the Toledo Zoo (Mondays are free for Lucas County residents before noon). During this excursion you will be required to spend at least a half and hour observing three different primates. These observations should be related to class material will be due during the next class period.

Walking Like Chimps:

Taxonomy Mapping:

Accent Civilization Research Project (group):

Neo-Nazis, "Intelligent Design: and Critical Thinking:

Prehistoric Handprints and You:

Ethics Vignettes: Students will be given vignettes specific to the discipline. Each student will write a reaction to this vignette and share it with the rest of the class.

Article Reviews: Students will be required to answer questions on five articles in Physical Anthropology over the course of the semester. Articles and questions selections will be provided.

Assignment

Day/Date      Topic Assignment

                  Introduction to Physical Anthropology    Read Chapter 1

                  Evolutionary Theory                            Read Chapter 2

Film:

                  Heredity            Genetics exercises

                  Vertebrate and Mammalian Evolution

                  Primates

                  Primates

                  Primates as Models for Human Evolution      Field Trip: Toledo Zoo

                  Fossil Primates      Observations on Primate behavior due

                  Early Hominids

                  Early Hominids

                  Genus: Homo

                  Pre-modern Humans

                  Modern Humans

                  Human Variations

                  Human Adaptations

                  Human Adaptations

Disclaimer: "The instructor reserves the right to amend this syllabus as deemed necessary and will communicate such amendment to the students in the course."