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**Ohio Articulation Number (OAN)  
Course Submission Form  
2005-2006**



College/University University of Rio Grande/Rio Grande  
Community College

Course(s) Submitted(Title & Course #) NSC 22403 Introduction to for  
Biological Anthropology  
Ohio Articulation Number OSS 002

Date 8/3/2006 Course 1 of a 1 Course OAN mapping.

Name and title of individual submitting on behalf of the college/university

Name Dr. Barry Thompson Title Interim Dean, College of Liberal Arts &  
Sciences

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Credit Hours 3 qtr \_\_\_\_\_ sem X

Lecture Hours 3

Laboratory Hours NA (if applicable)

Pre-Requisites(s) Course work (if applicable)

NA

Placement Score (if applicable)

(Name of test)NA

(Domain) \_\_\_\_\_ (Score) \_\_\_\_\_

Catalog/Course Description (Includes Course Title and Course #)

NSC 22403 Introduction to Biological Anthropology, An introductory survey of human physical variation with an emphasis on human skeletal variation, modern human populations, and non-human primates. SP

Texts/Outside Readings/Ancillary Materials

Craig Stanford, John S. Allen and Susan C. Anton, Biological Anthropology, Pearson/Prentice Hall 2006

Course Objectives and/or Plan of Work

1. Develop knowledge of the fundamental concepts and principles of physical/biological anthropology. 2. Develop knowledge of basic genetics and processes including molecular and population genetics. 3. Develop knowledge of evolutionary biology including the mechanisms of evolutionary change. 4. Outline and describe human physical diversity and ethical discussion of the race concept. 5. Outline and describe the major fossil evidence for primate evolution including hominid evolution. 6. Outline and describe the major concepts of primatology including comparative primate anatomy and behavior studies.

Description of Assessment and/or Evaluation of Student Learning

Course objectives measured by exams and projects. Course letter Grade based on a total of 330 points as follows: Three exams 100 points each (Two midterms and the final) and a Skeletal Anatomy Quiz 30 points. Course Grade Limits 297-330 = A; 264-298 = B; 231-263 = C; 198-230 = D; 0-197 = F. In addition a comprehensive written pretest and post-test will be given to assess learning. The pretest will be given on the first day of class. The post-test will be given with the final exam.

Master Syllabi and Working Syllabi (if both are used)

Introduction to Biological Anthropology  
NSC 22403

Spring Semester 2006

Lecture Hours: MWF, 9:30-10:20 AM, Wood Hall 229

Office Hours: MWF 8:30-9:20 AM.; Tue-Thur. 9:30-10:00 AM.; 1:00 -2:15 PM, Wood Hall 255

Additional Office Hours by appointment.

Phone and e-mail contact by professor

Required Text: Craig Stanford, John S. Allen and Susan C. Anton, Biological Anthropology, Pearson/Prentice Hall 2006.

Topics

Required Reading

- |   |        |
|---|--------|
| 1. Introduction: Biocultural Approach –Scope, Roots, and Current Thinking of physical/biological anthropology                           | Chp. 1 |
| 2. History of Biological Anthropology- Origins of Evolutionary Thought – Darwinian Revolution and Current Questions                     | Chp. 2 |
| 3. Human Genetics and Evolution – Genetics: Molecular Level – Molecular Tools for bioanthropological Research                           | Chp. 3 |
| 4. Genetics – From Genotype to Phenotype – Mendelian Genetics, Mutation, Polygenic Traits   | Chp. 4 |
| 5. The Forces of evolution - Species, Speciation, Selection   | Chp. 5 |
| 6. Population Genetics and Human Variation – Adaptation –Polymorphisms - Race concept , Anthropology of Race, racism, racial typologies | Chp. 6 |
| 7. Primatology – Classification, Primate Radiation, Primate Ecology, Primate  |        |

Communities	Chp. 7
8. Primate Behavior- social behavior, field observations, culture	Chp. 8
9. Primate Evolution –Fossils in geological context- Origin of Primates- Evolution of Higher Primates	Chps. 9 and 10
10. Ape- Human Transition- Bipedalism, Behavior	Chp. 11
11. Early Hominids – Australopithecines	Chp. 12
12. Genus Homo- Earliest Homo, Homo erectus	Chp. 13
13. Skeletal Anatomy Labs and Quiz - Week of March 20-24	Lecture
14. Archaic Homo sapiens and Neandertals	Chp. 14
15. The Emergence and Dispersal of Homo sapiens, Models, Anatomy, Taxonomy, Phylogeny, Archaeology, Molecular Genetics	Chp. 15
16. Biology and Behavior of Modern Humans – Brain and Language Evolution –Ape Language	Chp. 16
17. Biomedical Anthropology – Disease, Development, Physical Variation, Diet and Disease	Chp. 17
18. Evolution of Human Behavior	Chp. 18

FINAL EXAM: MONDAY, MAY 1, 2006, 8:30-10:30 AM, WH 229

Class Schedule: First Day of class Monday Jan. 9, 2006

No Class Monday Jan. 16- Martin Luther King Jr. Day, No class Monday -Feb 20-Presidents' Day,

No Class March 13-17- Spring Break, No Class Tuesday April 4-Advising Day, No Class TBA-MEHA Honors Meeting, Last Day of Class April 28, 2006.

**COURSE DESCRIPTION:** NSC 22403. Introduction to Biological Anthropology. An introductory survey of human physical variation with an emphasis on human skeletal variation, modern human populations, and non-human primates.

**Course Requirements:**

1. Three exams, two midterms and one final. Identification and essay questions. 100 points per exam. First Exam = February 8 (MWF class), Second Exam (a take-home exam) = Due March 10 (MWF class), Final Exam = Monday, May 1, 2006, 8:30-10:30 AM WH 229.
2. A study guide will be provided in class at least one week prior to the first and final exams.
3. One Human Skeletal Anatomy in class lab and Quiz will be required. The Skeletal Quiz = 30 points.
4. Class attendance is required. Unexcused absences will result in a deduction of 3 points per unexcused absence day. Unexcused leaving of class will result in 5 points deduction per incident.
5. The course letter grade will be based on a curve of 330 points for students taking the course as follows: two midterms (100 x 2= 200 points) added to 100 points per final exam added to 30 points for the skeletal quiz= Grand Total of 330 points. Final Course Grade points will be as follows; 297-330 = A; 264-296 = B; 231-263 = C; 198-230 = D; 0-197= F.
6. Optional extra-credit take-home quiz, 3 pages in length worth 20 points. This quiz will cover Chapters 10-12 in your text and be due in class on April 12,2006
7. As an additional assessment measure a pretest and a post-test will be given at the beginning and the end of the course. The written comprehensive pretest on the first day of class. the written comprehensive post-test will be given with the final exam.

8. ADA STATEMENT: If a student wishes to be identified as having a physical, mental or learning disability that may require accommodation, he/she must register at the Office of Accessibility, located in the Department of Health Services, prior to the end of the first week of classes for each semester. These registered students must identify themselves to their instructors, and provide them with a copy of a letter from the Accessibility Office that identifies appropriate accommodations at the first class meeting and no later than the end of the first week of class for each semester.

**LEARNING OBJECTIVES/OUTCOMES:**

Develop knowledge of the fundamental concepts and principles of physical/biological anthropology.

Develop knowledge of basic genetic concepts and processes including molecular and population genetics.

Develop knowledge of evolutionary biology including the mechanisms of evolutionary change.

Outline and describe human physical diversity and ethical discussion of the race concept.

Outline and describe the major fossil evidence for primate evolution including hominid evolution.

Outline and describe the major concepts of primatology including comparative primate anatomy and behavior studies.

Related additional topics covered with the outcome of developing knowledge of include:

1. Historical Origins of Biological Anthropology
2. Basic Genetic Concepts and Mendelian Genetics
3. Population Genetics
4. Evolutionary Mechanisms
5. Microevolution
6. Macroevolution
7. Primate Taxonomy
8. Primate Behavior and Ecology
9. Hominid Paleoanthropology
10. Anthropometry- basic human skeletal measurements, stature, and age and sex determination
11. Human Diversity- populations, social races, 'racial' classification issues.

**Additional Documentation**

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OBR Use

Action

Approved	
Additional Information Requested	
Rejected	
Date	

## **Ohio Articulation Number Form Directions**

This form is used to submit your course information to the Ohio Board of Regents, for all courses that make up OAN requirements. This document is a form, so the only fields that need to be filled in can be. When you open this, make sure the top of the screen, where the name of the document is displayed, says "Document1" or something similar to that. When you open this form from a location other than inside of word, it creates a blank template to fill in. Please fill it in with the appropriate course information from your institution. All of the fields in this document are expandable, and will grow to fit as much data in them as you need.

Once you are done submitting your course information, you need to save this file. Since Word opened a blank version of this file, so you will need to rename it to save it. Under file, choose "Save as" and then input the name of the file. The naming scheme for this form is Institution-Year-OAN number-Course Title.

Example, if you were ABC Community College, and you were submitting your Calculus110 course, the name of the file would be ABC-2005-OMT005-Calculus110. If two (or more) courses are required to fulfill that same OAN, you would submit ABC-2005-OMT005-Calculus110Calculus111.

When you are done with your submissions, please send them electronically to the Ohio Board of Regents so we can keep your information on file.