



BIOLOGICAL ANTHROPOLOGY

ANTH& 205



Welcome to Biological Anthropology!!!

Anthropology is the holistic study of our species, *Homo sapiens*. We combine methods, theories, and data from the natural sciences, social sciences, and the humanities to examine the human experience in the broadest framework possible. Anthropology courses explore human biology, origins, prehistory, and cultural diversity. This class focuses on humans as bio-cultural organisms, emphasizing an understanding of humans from an anthropological perspective.

Your Professor: Dr. N. Gonlin, aka "Dr. G"

Contact: through the Blackboard Vista course site

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I love to travel to places both near and far. Here I am pictured at my most recent destination, in Delhi, India at the Qutab Minar, a 12th century construction. If you have the chance to visit this country, it's highly recommended!



Course Description

Biological Anthropology (ANTH& 205) offers an anthropological view of how human biological characteristics arose, our relation to non-human primates, and how we continue to be shaped by evolutionary forces. Major topics include human genetics, adaptation, monkeys, apes and prosimians, fossil evidence for human evolution and the study of biological diversity in contemporary human populations. ANTH& 205 is a 5-credit course that counts as a science credit. (Please note that either ANTH& 205 OR ANTH& 215 may be taken for credit, but not both.)

At the successful completion of all assessments for Anthropology& 205 you should be able:

1. To demonstrate an understanding of the historical contexts and consequences of natural science and social science concepts developed for and directed at a holistic and comparative approach to human behavior.
2. To recognize, identify and use the scientific method, in particular the principles of biocultural evolution, and to distinguish coherent arguments based on such principles from other claims.
3. To show knowledge of the general elementary principles of molecular, Mendelian and population genetics and their synthesis with evolutionary explanation.
4. To apply contemporary concepts in human biocultural variation, and distinguish such approaches from older paradigmatic formulations.
5. To recognize behaviors found throughout the primate order with particular attention to the social ecology of primate behavior.
6. To compare the gross anatomy of modern hominids and non-human primates and gain knowledge of their taxonomic classification.
7. To demonstrate detailed paleoanthropological knowledge of fossil hominoids and hominids, enabling the contrast, comparison and construction of hypothetical phylogenetic interpretations of hominid lineages and the selective evaluation of competing theories of hominization.

How Course Outcomes will be met:

Outcomes will be addressed through visual materials, readings, tutorials, discussions, and exams.

General Education Ratings:

"Critical Thinking" and "Nature of Science" = 3; "Science and the Natural World" = 2

Required Textbook

Jurmain, Robert, Lynn Kilgore, and Wenda Trevathan. ISBN: 978-1-111-83718-1
2013 Essentials of Physical Anthropology, 9th ed., Wadsworth Publishing, Belmont, CA.

Online Textbook Companion for Students:

<http://www.cengagebrain.com/> Choose "Free Study Tools" and enter your textbook's ISBN: 9781111837181

This textbook was chosen for a number of reasons:

- 1) It's one of the best on the market, written by well-known authorities,
- 2) It has ample free on-line support for students,
- 3) Its comprehensive, yet concise, making it ideal for a quarter long course
- 4) And it can be bought in an online format or rented from the publisher to help mitigate costs.

Course Syllabus Agreement

You are required to review this syllabus, the course calendar, and the Procedures and Guidelines of the Social Science Division. Enrollment in the course constitutes an agreement to abide by the policies set forth in these items. Please complete the "Syllabus Agreement" as soon as possible after reading through these documents, and return the agreement through Blackboard Vista messages to your professor at your earliest convenience (5 points).

Course Outline

I. Introduction

Anthropology as a Social Science
Fields of Anthropology

II. Scientific Method & Physical Anthropology Applications

Limitations
Field Methods

III. Evolutionary Theory

History of Scientific Knowledge
Darwinian Evolution

Genetics and Natural Selection
Modern Synthesis

IV. Human & Primate Evolution

Primate Origins & the Fossil
Record
Human Fossil Record

V. Modern Human Variation & Adaptation

Human Population Adaptations
Biodemography

What is the rhythm of this class?

READ THIS SECTION VERY CAREFULLY. IF YOU CANNOT ADJUST YOUR SCHEDULE TO THE RHYTHM OF THE CLASS, YOU WILL HAVE A DIFFICULT TIME SUCCEEDING IN THIS COURSE.

The on-line class has a very different rhythm from on-campus classes, and each on-line course is different from other on-line courses. Online courses do not take off time for holidays or weekends.

Except for Week 1 which begins on at 8 am on Monday, the first day of the 'on-line week' in this class begins on a **Monday morning** at 12:01 AM and runs until a **Sunday night** at 11:59 PM when all work for that week must be completed. For example, Week 2 begins on Monday, April 9 at 12:01 AM and ends on Sunday, April 15 at 11:59 PM.

Affirmation of Inclusion

Bellevue College is committed to maintaining an environment in which every member of the campus community feels welcome to participate in the life of the college, free from harassment and discrimination. We value our different backgrounds at Bellevue College, and students, faculty, staff members, and administrators are to treat one another with dignity and respect. This classroom is a SafeSpace. Please check this website for further information: <http://bellevuecollege.edu/about/goals/inclusion.asp>

Disability Accommodations

WHAT ACCOMMODATIONS FOR DISABILITY DOES THE COLLEGE HAVE?

"The Disability Resource Center serves students with a wide array of learning challenges and disabilities. If you are a student who has a disability or learning challenge for which you have documentation or have seen someone for treatment and if you feel you may need accommodations in order to be successful in college, please contact us as soon as possible.

If you are a person who requires assistance in case of emergency situation, such as a fire, earthquake, etc., please meet with your individual instructors to develop a safety plan within the first week of the quarter.

The DRC office is located in B132 or you can call our reception desk at 425.564.2498. Deaf students can reach us by video phone at 425-440-2025 or by TTY at 425-564-4110. Please visit our website for application information into our program and other helpful links at www.bellevuecollege.edu/drc."

Please let me know by Vista mail as soon as possible if you have an accommodation. I will require a notification from the Disability Resource Center in order to provide you with appropriate accommodation. It takes at least one quarter for accommodations to be granted. One cannot simply state that one needs accommodations; the DRC will request appropriate documentation and make the decision. Only DRC students can be accommodated. Please let me know how I can help you.

Student Eco-Conduct

HOW CAN STUDENTS BE ENVIRONMENTALLY-FRIENDLY?

Student Sustainability Guidelines: Students are expected to make decisions that have the smallest environmental impact while maximizing student learning. These decisions include:

- Think before printing documents for this class, adjust printable margins, print double-sided & reuse paper for scrap paper.
- Turn in papers electronically or when necessary turn in printed assignments double-sided, single-spaced and using narrow margins of at least .75 inches.
- Recycle all paper, bottles, and cans; and compost food and materials from the BC cafeteria.
- Adjust the power settings on your personal computer so the monitor and CPU will sleep after 20 minutes of inactivity and unplug all personal electronic devices when not in use.

Components of Course Assessment

A variety of instructional methods and learning opportunities exists for you to master class content.

1. Attendance & Participation

It is well worth your time to “attend” class regularly and constructively participate. Ideally, you should log in on a daily basis, but minimally 5 times per week. Participation is easily monitored by yourself and by the professor through ‘tracking,’ a feature on Vista. You are expected to keep abreast of due dates and any schedule changes.

2. Tutorials and Quizzes

A number of on-line tutorials are assigned. These tutorials will supplement and support the lecture material and textbook. You are expected to complete these tutorials when assigned, the specifics of which are listed weekly. To access the online tutorials, click on the link on found on each week’s overview page. (If you use a MAC, you may have difficulty accessing this material. Please contact the professor.)

At the end of each tutorial, there is a quiz that you must take. You will then copy your two favorite multiple choice quiz questions and all possible answers (with the correct answer indicated by *) for the week’s tutorial (total of only 2 questions / week) into the discussion board by the end of the on-line week (Sunday at 11:59 pm). For each week that you post 2 questions in the proper format into the appropriate week’s tutorial question area, you receive 10 points for a maximum of 100 points. (Do not post a Word.doc. Please type your questions into a discussion message.)

Sample Format for Posting Multiple Choice Questions:

1. The person credited with the idea of natural selection is
A. Charles Darwin
B. Alfred Russel Wallace
C. Gregor Mendel
*D. both A and B.

3. Exams

A major portion of your grade will be derived from 2 exams – a mid-term and a final exam. An exam may consist of multiple choice and true/false questions. There are 65 questions on each exam (each worth 3 points) and you will have 90 minutes to complete each. To take the exam, you will need to be familiar with Vista. Be sure you know how to successfully submit your answers when completed. Take the practice quiz which will be available during the first week of the quarter. Exam questions are derived from assigned readings, learning modules, videos/DVDs, handouts, discussions, activities, internet links, lectures, tutorials, and any other instructional material presented in class. It is helpful to turn off all electronic devices before the start of the exam so that you can fully concentrate.

| EXAMS | AVAILABILITY & DUE DATES | MATERIAL COVERED |
|------------|--|---|
| Mid-Term | Available: Monday, May 7, 12:01 am | Textbook Chapters 1, 2, 3, 4, 5, 6, 7 All material from April 2 – May 6 |
| | Due: Sunday, May 13, 11:59 pm | |
| Final Exam | Available: Saturday, June 9 , 12:01 am | Textbook Chapters 8, 9, 10, 11, 12, 13, 14 All material from May 7 – June 10 NOTE: This is not a cumulative exam. |
| | Due: Wednesday, June 13, 11:59 pm | |

4. Discussions

In order to mimic the on-campus classroom environment, this course will involve discussions with your classmates. For each discussion, you have questions to research, writing to complete, postings to read, and a minimum of two replies to contribute. Posting of your initial commentary, reading others' commentaries, and responding to others are critical for mastering course content, engaging in the class, and for excelling on quizzes.

If you miss a discussion, you cannot make it up since the moment will have passed. The first part of discussion closes on Friday morning at 9 am and replies must be made by the end of the week by Sunday night.

There are 4 steps to the discussion:

1. Research: A bit of research will be involved in the form of either reading an article or searching the net. When there is an article that is the focus of the discussion, read it first and think about the material. When the discussion involves internet research, be sure to adhere to best practices in choosing websites for information.

2. Writing: (up to 10 points) Each student will write an initial commentary (i.e., your informed analysis about the material in response to the questions provided). This step must occur BEFORE Friday mornings at 9:00 am. No late commentaries will be accepted for any reason. Each initial commentary should be well written, proofread for grammatical and spelling errors, and substantive in content. About 300-400 words is an estimate of what is expected for an initial commentary. (Do NOT post a Word doc.) All sources must be cited, whether from the textbook, assigned article, internet website, fellow student, lecture, etc. Use the APA reference style which is posted on the course site. NO Wikipedia ever. Period.

3. Reading: (up to 5 points) It is important to see how your classmates have responded to the discussion questions. You are required to read at least half of the initial commentaries of others. The number of commentaries may vary from discussion to discussion but if you read at least 18 (half of full enrollment of 36), you'll complete the requirements for this part. As the professor, it is possible for me to see how many postings each student has viewed.

4. Replies: Each student will comment on the initial posting of at least 2 other students. This step of the discussion will begin at 9:01 am on Fridays. Points will not be earned if you comment on others' posts before 9:01 am on Fridays. All comments must be posted before the following Sunday at 11:59 pm. Each reply should be about 100 words. Responses such as "I agree" or "Terrific job" do not count for credit. If you use any source at all, you must cite it. NO Wikipedia ever. Period. All postings should be thoughtful, informed, respectful, substantive, and constructive. No late replies are accepted for any reason.

GRADING

Grades will be calculated using points. You can earn up to 600 points during the quarter, distributed as follows:

| Class Requirement | Value | % of Grade |
|---------------------|-------------------|-------------|
| Mid-Term | 195 points | 32.5% |
| Final Exam | 195 points | 32.5% |
| 4 Discussions | 100 points | 17.0% |
| 10 Tutorial quizzes | 100 points | 17.0% |
| Syllabus Agreement | 10 points | 1.0% |
| TOTAL POINTS | 600 points | 100% |

| Grading Final Grade & Corresponding Percentage | Corresponding Point Value |
|--|---------------------------|
| A = 92-100% | 552-600 points |
| A- = 90-91% | 540-551 points |
| B+ = 88-89% | 528-539 points |
| B = 82-87% | 492-527 points |
| B- = 80-81% | 480-491 points |
| C+ = 78-79% | 468-479 points |
| C = 72-77% | 432-467 points |
| C- = 70-71% | 420-431 points |
| D+ = 68-69% | 408-419 points |
| D = 50%-67% | 300-407 points |
| F = <50% | 0-259 points |

Final Grades:

Students must complete all course requirements within the quarter in which the student enrolled before a final course grade will be issued. "Official grades are available approximately one week after the quarter ends. There are several ways to learn your grades: 1. BC website: www.bellevuecollege.edu/services/schedule.asp; 2. Kiosk in the Student Services Building or the Campus Information Center; 3. In person at the Student Service Center."