

Anthropology& 215: Biological Anthropology with Lab Online

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Course Overview:

Anthropology is the holistic study of humans. We combine methods, theories, and data from natural sciences, social sciences and humanities to examine human experience in the broadest framework possible. Anthropology courses explore human biology, origins, prehistory, and cultural diversity.

Content for Anthropology& 215: Biological Anthropology with lab

In “Biological Anthropology” we employ the scientific perspective of biological anthropology to examine our earliest ancestors and relatives and the diversity of modern humans. Topics include theory of evolution, genetics, primate anatomy, fossil record, biological adaptation, human physical variation and reproductive ecology.

At the conclusion of Anthropology& 215 you should be able to:

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.

General Education Rating

Critical Thinking, Creativity, and Problem Solving:	3
Quantitative and Logical reasoning:	1
Ethics:	1
Historical and Intellectual Perspectives:	1

Cultural Diversity:	1
The Nature of Science:	3
Science & the Natural World:	2

Student Responsibilities

To make the most out of the educational opportunities in this class, you need to take an active and energetic role in your own learning process. Success can best be achieved by completing the following student responsibilities.

- Complete all reading assignments.
- Participate actively in each discussion and activity. No makeup discussions are available.
- All materials **MUST** be turned in by the end of the final exam period to be counted. No late work will be accepted unless arrangements with the professor have been made.
- Take advantage of extra credit opportunities.
- Use the instructor's office hours for questions.

Textbook and readings

ESSENTIALS OF PHYSICAL ANTHROPOLOGY

JURMAIN, Kilgore and Travathan

Eighth Edition

ISBN:9780840032591

Online Text Companion for Students:

http://www.wadsworth.com/cgiwadsworth/course_products_wp.pl?fid=M20b&product_isbn_issn=9780840032591&to_ken=

Evaluation

Student evaluation centers upon successful mastery of the course content. Final grades will be based upon the following set of assignments and point distributions.

- **Discussion: (5 @ 30 pts.): 150 pts. = 15 for commentary and 15 for the replies.**
- **Tutorials: 50 pts. (will be assessed at the end of the quarter)**
- **Lab Write-ups: (10 @ 25 pts.): 250 pts.**
- **Exams (2 @ 100 pts. ea.): 200 pts.**

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

Discussions

A major part of the learning in this class comes from the exchange of ideas with other students. There are five discussions total, counting the introductory discussion. This dialogue will occur in the form of four major discussions about relevant topics. The discussion topic will be provided to you and there will usually be a reading to tie in the discussion to the week's material.

There are 3 steps to the discussion:

1. When there is an article that is the focus of the discussion, read it first and think about the material.

2. Each student is to post an initial commentary (i.e., your informed analysis about the article in response to the question provided). This step must occur BEFORE Thursdays at 12:00 noon. Each initial commentary should be well written, proofread for grammatical and spelling errors, and substantive in content. About 200-300 words is an estimate of what is expected for an initial commentary. If you use any source at all, you must cite it. NO Wikipedia. Period.
3. Each student will comment on the initial posting of 2 other students. This step of the discussion will begin at 12:01 pm on Thursday. Points will not be given if you comment on others' posts before this time or after the discussion has closed on Monday at 5:00pm.

Each response posting 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. Period.

All postings should be thoughtful, informed, respectful, substantive, and constructive.

If you miss a discussion, you cannot make it up since the moment will have passed. The discussion closes at the end of the week on Sunday night.

Tutorials and Quizzes

A number of on-line tutorials are assigned. These tutorials will supplement and support the lecture materials and textbook. You are expected to complete these tutorials when assigned.

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 correct answer indicated by *) for the week's tutorial (only 2 questions / week) into an email on BlackBoard and send it to me by the end of the on-line week (Monday at 5:00pm). Each time you send me 2 questions from the week's assignment, you receive 5 points for a maximum of 50 points. (Do not send a Word doc. Please type your questions into a mail message.)

The subject heading for these emails will be as follows:

Your name – "Tutorial" – week # = **Tony Tessandori – Tutorial – Week 3**

To access the online tutorials, click on the links on found on each week's overview page.

Sample multiple choice question format:

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.

Lab Activities

There are a total of 10 labs for this course. These labs are designed to reinforce key concepts in the course, enhance your knowledge of course material, and provide you with a hands-on learning experience.

In order to complete these labs you will need to pick up a lab kit during the second week of class. There will be specific times for this to occur. If you live outside the area other arrangements can be made, however proof of a distant mailing address is required.

NO LATE WORK WILL BE ACCEPTED WIHTOUT PRIOR APPROVAL BY THE PROFESSOR.

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 and may contain essay questions as well. More details about the mid-term and final exam will be distributed closer to the date of each. Stay tuned!

To take the exam, you will need to be familiar with Vista. Be sure you know how to successfully submit your answers when completed. Exam questions are derived from assigned readings, learning modules, discussions, activities, internet links, lectures, labs, and any other instructional material presented in class.

Grading Scale

Your final grade will be based upon the accumulation of points using the table below.

Grade & Percentage	Point Value
A = 92-100%	(598-650 pts)
A- = 90-91%	(585-597 pts)
B+ = 88-89%	(572-584 pts)
B = 82-87%	(533-571 pts)
B- = 80-81%	(520-532 pts)
C+ = 78-79%	(507-519 pts)

C = 72-77%	(468-506 pts)
C- = 70-71%	(455-467 pts)
D+ = 68-69%	(442-454 pts)
D = 50%-67%	(325-441 pts)
F = <50%	(<325 pts)

Academic Integrity and Safe Zone

Cheating and plagiarism will not be accepted. Proper citation of ideas, concepts and quotes that are not your own is required. Cheating and plagiarism will result in a zero score on that assignment and will be reported to BC administration.

This class is designed to explore and discuss controversial issues. Sometimes these issues evoke emotional or personal repossess. It is important for students to be able to speak their minds without worrying about ridicule, demeaning remarks, or hurtful statements. Any occurrences of such comments will be dealt with immediately.

Schedule:

The schedule below indicates due dates for assignments and associated tutorials and readings.

WEEK	Reading	Lectures	Tutorials	Labs/Assessments	Discussions
Week 1 9/19 – 9/26	Ch. 1 and 2	Introduction History of Evolutionary Thought Natural Selection	Early Theories of Evolution	Practice Quiz	Discussion 1: Self introduction
Week 2 9/27 – 10/3	Ch. 3 and 4	Genetics	Basic Principles of Genetics	Lab 1: Scientific Method lab	Discussion 2: “If Humans Were Built to Last”
Week 3 10/4 – 10/10		Heredity & Evolution When Things Go Funny	Biological Basis of Heredity Human Chromosomal Abnormalities	Lab 2: Natural Selection lab (The M&Ms lab)	
Week 4 10/11 –	Ch. 5	Evolutionary Process	Modern Theory of Evolution	Lab 3: DNA Extraction Lab	

WEEK	Reading	Lectures	Tutorials	Labs/Assessments	Discussions
10/17		Speciation	Understanding DNA electrophoresis (no quiz)		
Week 5 10/18 – 10/24	Ch. 6 and 7	Living Primates (Parts 1 and 2) Primate Locomotion	Classification of Living Things Primates Primate Behavior	Lab 4: Forces of Evolution “The Genetic Casino”	Discussion 3: Bush Meat Trade
Week 6 10/25 – 10/31 NO CLASS 10/26	Ch. 8	Dating Methods Primate Origins (Fossil Primates)	Record of Time Early Primate Evolution	MIDTERM EXAM Lab 5: Primate Personals	
Week 7 11/1 – 11/7	Ch.9	Hominid Origins (Human Fossil Record)	Early Hominid Evolution	Lab 6: Primate Observation	
Week 8 11/8 – 11/14	Ch. 10	Late Hominid Evolution	NO CLASS 11/11	Lab 7. Bipedalism Lab	Discussion 4: “The First Europeans were Cannibals”
Week 9 11/15 – 11/21	Ch. 11	Very late Hominid Evolution	Evolution of Modern Humans	Lab 8: Hominid Skull Comparison Lab	
Week 10 11/22 – 11/28	Ch. 12	Modern Humans	<u>NO CLASS 11/24 AND 11/25</u>	Lab 9: Mitochondrial Lab	
Week 11 11/29 – 12/5	Ch.13 and 14	Human Adaptation (A and B)	Modern Human Variation Human Biological Adaptability	Lab 10: Blood Lab	Discussion 5: Race
Final 12/5 – 12/7					

WHAT COURSES IN ANTHROPOLOGY ARE OFFERED AT BC?

There is a general introductory class (Survey of Anthropology) which highlights all four sub-disciplines of anthropology. BC offers in-depth courses in Anthropology which I encourage you to take: archaeology (Great Discoveries in Archaeology; Archaeology; Ancient North America; Incas & Their Ancestors; Aztecs, Mayas, & Their Ancestors), biological anthropology (Biological Anthropology; Bioanthropology with Lab; Cross-cultural Medicine; Forensic Anthropology), cultural anthropology (Food, Drink, & Culture; American Life & Culture; Cultural Anthropology; Sex, Gender, & Culture; Environment & Culture; REEL Culture; Religion & Culture) and linguistics (Language, Culture, & Society). Check BC's Course Catalogue for a full description of each course. We will also be offering several special topics courses spanning the discipline. Topics may include Primatology, Experimental Archaeology, Anthropology of Immigration and Scandinavian Culture. There are no prerequisites for any of these courses and they fulfill degree requirements. Different formats (on campus, on-line, hybrid) are offered. Stop by and visit the Social Science Advisor, Deanne Eschbach, in Room D110, for free professional planning and advising, or contact Anthropology Prof. Tony Tessandori (tony.tessandori@bellevuecollege.edu) to learn more about majoring in anthropology.

Tentative Winter Schedule

		On Campus	Online
ANTH& 100	Survey of Anthropology	X	X
ANTH 180	American Life and Culture	X	X
ANTH& 204	Archaeology*		X
ANTH& 206	Cultural Anthropology*	X	X
ANTH 208	Language,Culture and ,Society*	X	X
ANTH 209	Ancient North America	X	
ANTH& 215	Biological Anthropology w Lab*	X	X
ANTH& 235	Cross-Cultural Medicine	X	
ANTH& 234	Religion&Culture		X
ANTH& 236	Forensic Anthropology		X
ANTH 294	Socio-Lingusitics	X	

(* denotes required for the Academic Concentration in Anthropology)

WOULD YOU LIKE TO JOIN THE WEIRD ANTHROPOLOGY CLUB?

Anthropologists can and do study just about anything. In this class, you will learn about some of the usual topics...Join the club and find out about the other stuff. The Weird Anthropology Club's mission is to explore topics that other groups do not cover. You can expect to investigate topics from Bigfoot to indigenous hunting techniques and everything else in between. Please contact Anthropology Professor Tony Tessandori, club advisor, if you are interested in joining other weird anthropologists in their pursuit of understanding humanity. (tony.tessandori@bellevuecollege.edu) →



ARE YOU INTERESTED IN EARNING A CONCENTRATION IN ANTHROPOLOGY, ALONG WITH YOUR DEGREE?

In addition to earning an AAS degree, you can take 20 credits of required courses to earn a concentration in Anthropology. These four courses provide the basic foundation of Anthropology and represent the 4-field approach of American Anthropology. By next academic year, all of them will be offered on-line.

- ANTH& 204 – Archaeology (5 credits of Social Science)
- ANTH 208 – Language, Culture, & Society (5 credits of Humanities or Social Science)
- ANTH& 206 – Cultural Anthropology (5 credits of Social Science)
- ANTH& 215 – Bioanthropology with Lab (5 credit of Lab Science)

Message from the chair (aka the caveman)

The Anthropology Department consists of a group of dedicated educators. We all want our students to learn and grow as they progress through their education. We all are passionate about our fields of study and believe that what we have to say is important. We all feel that it is important that you come to class and take part in the learning process. We also know that life happens outside of our classrooms and missing class is sometime unavoidable. In order for all of us to work together an open dialog between students and instructors is key. Most often an understanding can be reached when outside situation arise. If at any time during the quarter you

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5 units

find that you are having concerns with the way a situation is being handled there are some steps to be followed. First you should talk direct to the instructor ask for clarification or further explanation. If you feel you are not getting the results you require, contact me (Anthony Tessandori, Department Chair) at tony.tessandori@bellevuecollege.edu. I will do what I can to help resolve any issues. If I am unable to help alleviate your concerns, you should contact the Interim Dean of Social Science (Virginia Bridwell) at Virginia.bridwell@bellevuecollege.edu

I look forward to the coming quarter and I hope to speak to each of you about the possibilities anthropology has to offer.

Have a great quarter
Tony Tessandori

STUDENTS WITH DISABILITIES: If you have medical information to share with me in the event of an emergency, please contact me via email or come to see me during office hours. Emergency preparedness is important! If you need course modifications, adaptations, or accommodations because of a disability, I can refer you to our Disability Resource Center (DRC). If you prefer, you may contact them directly by going to B132 or by calling 425.564.2498 or TTY 425.564.4110. Information is also available on their website at <http://bellevuecollege.edu/drc/>

EXPLORE THE LMC! The Library Media Center is at your fingertips! I *strongly* encourage you to visit the LMC at least this quarter, but you can also access it via the web. Talk to a Reference Librarian at the Library (D-126), by calling (425) 564-6161, or by email: reference@bellevuecollege.edu.

- **Main Library Media Center:** <http://bellevuecollege.edu/lmc/>
- **For the LMC online catalog:** <http://bellevuecollege.edu/lmc/catalogs.html>
- **For article databases:** <http://bellevuecollege.edu/lmc/periodicals.html>

For all of your written work: Submit proofread work **only**. Work not proofread will be returned **once** for a rewrite, expected to be handed in within 48 hours. If you need help with your writing, please make use of the following student support services:

- Academic Success Center: <http://bellevuecollege.edu/academicsuccess/>
- Academic Tutoring Center: <http://bellevuecollege.edu/tutoring/>
- TRiO Student Support Services: <http://bellevuecollege.edu/TRiO/>
- Writing Lab @ BCC: <http://bellevuecollege.edu/writinglab/>

Preventing Plagiarism: Plagiarism is a form of academic dishonesty occurring when students use information or material from outside sources and do not properly cite those sources. This is grounds for disciplinary action. It is your responsibility to understand plagiarism and its consequences. Plagiarism occurs if:

- a. You do not cite quotations and/or attribute borrowed ideas.
- b. You fail to enclose borrowed language in quotation marks.
- c. You do not write summaries and paraphrases in his/her own words and/or doesn't document his/her source.
- d. You turn in work created by another person.
- e. You submit or use your own prior work for a current or past course, or work from one current course in another course *without express permission* from your professors. This may also be considered academic dishonesty.
- f. Consequences: If it is determined that you have plagiarized or engaged in other forms of academic dishonesty, you will likely fail the assignment and possibly the course, despite points earned through other work. Acts of academic dishonesty are reviewed for disciplinary action.