

Anthropology& 215: Biological Anthropology with Lab

Instructor: Anthony Tessandori

Office:	D110K
Office Hours:	M/W/F – 9:00 – 10:00 and T/TH – 11:30 – 12:30
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Meeting Times & Locations

**Monday, Wednesday and Friday
Final**

**10:30 – 12:20
Wed. 12/7 at 9:30 – 11:20**

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

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 before class on the day assigned.
- Participate actively in each discussion activity. We cannot reproduce a classroom level discussion. No makeup discussions are available. In this sense absences will have a negative impact on your grade.
- 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

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.

- **Lab Binder: 200 points**
- **Participation and Discussion: 100 points**
- **Mid-Term Exam: 150 points.**
- **Final Exam: 200 points.**

Lab Binders

As we proceed through the quarter, you will be conducting 10 labs. Some of these labs will have lab write-ups, other will be more experiential. You will be keeping a lab binder, with all of your write-ups, notes, results, tables and worksheets. Your grade for this part of the class will be based on the weekly evaluations, as well as a final evaluation of its completeness at the end of the quarter.

We will hold labs on Wednesdays each week. I will be checking your binder throughout the quarter and awarding points as we go. Note books will be collected on the Fridays indicated in the course schedule. Late note books will not be accepted. I will return notebooks to you by the following Wednesday.

Participation and Discussion

Points will be awarded based on your participation in formal and informal discussions. (If you don't talk you don't get the points). We will be hold four formal in-class discussion. The amount of points is subject to my digression.

Your grade for formal discussions will be based on two components:

1stYour ticket to discussion – On a 3x5 card you must have two points of interest or questions from the readings or research you've conducted prior to the discussion.

2nd Your participation in the discussion – If you don't talk, you don't get the points.
If you miss a discussion you will receive the points.

All discussions will be held on Fridays, unless otherwise arranged.

Mid-Term Exam

During week 6, a mid-term exam will be held. It will cover all materials and topics from weeks 1 – 5. This exam will draw on materials from lectures, text book chapters, discussion, and Labs. There will be 75 questions in the form of multiple choice, true/false and match. You will need a scantron form and a number 2 pencil. More information will be provided as the exam approaches.

No makeup exams will be available without written documentation of a legitimate excuse (death, accident, hospitalization, illness, etc.). There will be not makeup laboratories or discussions (these cannot be recreated).

Final Exams (Wed. 12/7 at 9:30 – 11:20)

During the final period stated above, a second exam will be held. The majority of this exam will focus on the material from weeks 6 – 11. There will be a few larger concept questions taken from the section of class, but they will not be the focus. There will be 100 questions in the form of multiple choice, true/false, matching and short answer essay. You will need a scantron form and a number 2 pencil for this exam. More information will be provided as the exam approaches.

No makeup exams will be available without written documentation of a legitimate excuse (death, accident, hospitalization, illness, etc.). There will be not makeup laboratories or discussions (these cannot be recreated).

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	Date	Reading	Class Activities	Labs	Discussion Topic
Week 1	9/19 – 9/23	Ch. 1 and 2	Introduction History of Evolutionary Thought Natural Selection	Scientific Method lab	

WEEK	Date	Reading	Class Activities	Labs	Discussion Topic
Week 2	9/26 – 9/30	Ch. 3 and 4	Heredity & Evolution Genetics	DNA part 1 and Natural Selection	“If Humans were Built to last”
Week 3	10/3 – 10/7		Genetics Macroevolution	Electrophoresis and anatomy (NOTE BOOKS COLLECTED – 50 pts.)	
Week 4	10/10 – 10/14	Ch. 5	Forces of Evolution Speciation	Forces Lab and the Genetics Casio	Stem Cell and Eugenics
Week 5	10/17 – 10/21	Ch. 6	Living Primates	Primate Observation lab	
Week 6	10/24 – 10/28	Ch.7 and 8	Primate Behavior and Locomotion Exam #1		Bush Meat No Class 10/26
Week 7	10/31 – 11/4	Ch.9	Dating Methods Fossil Primates	Bipedalism Lab (NOT BOOKS COLLECTED 50 pts.)	
Week 8	11/7 – 11/11	Ch. 10	Hominid Origins	Hominid skull comparisons lab	No class 11/11
Week 9	11/14 – 11/18	Ch. 11	Late Hominid Record Doing Field Work in Kenya	Paleolithic Hunting	
Week 10	11/21 – 11/25	Ch. 12 and 13	Modern Humans	DNA part 2	No class 11/24 & 25
Week 11	11/28 – 10/2	Ch. 14	Human Adaptation Reproductive Ecology	Blood lab	Malaria and Culture
Final			(NOTE BOOKS COLLECTED – 100 pts.)		

MY SCHEDULE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:30 AM					
9:00 AM	Office Hours 9:00 - 10:00		Office Hours 9:00 - 10:00		Office Hours 9:00 - 10:00
9:30 AM					
10:00 AM					
10:30 AM	Anth& 215 B120 10:30 - 12:20		Anth& 215 B120 10:30 - 12:20		Anth& 215 B120 10:30 - 12:20
11:00 AM					
11:30 AM		Office Hours 11:30 - 12:30		Office Hours 11:30 - 12:30	
12:00 PM					
12:30 PM	Anth& 236 B120 12:30 - 2:40	Anth 100 D101 12:30 - 2:40	Anth& 236 B120 12:30 - 2:40	Anth 100 D101 12:30 - 2:40	
1:00 PM					
1:30 PM					
2:00 PM					
2:30 PM					
3:00 PM					

SNOW DAYS or other non-schedule class cancellations

The possibility is always there that class will be cancelled unexpectedly. In the case that class is cancelled, I will post information on MyBC. This will include lecture material, assignments and handouts. It is your responsibility to check this in a timely manner and before the next class session. Material provided in this way will be covered as a review in class but will not be lectured on in detail.

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-Linguistics	X	

(* denotes required courses for the Academic Concentration in Anthropology)

Anthropology Paper Usage Policy

In an attempt to conserve resources the Anthropology Department has implemented a paper use reduction policy. We will use MyBC to post materials required for class (i.e. readings, activities, the complete syllabus...). When necessary we will make copies for class, but this will be when posting is not an option. You are not expected to print all materials. When we think it would be beneficial to print materials we will inform you of this. but will not require it. We know that it is not always convenient and understand that we all must make changes to attain a sustainable life style.

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 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

Finals Schedule

Daily or M/W or M/W/F at:	Exam Day	Exam Time
7:30	Mon. 12/5	7:30-9:20
7:50 or 8:30	Wed. 12/7	7:30-9:20
9:30	Mon. 12/5	9:30-11:20
10:10 or 10:30	Wed. 12/7	9:30-11:20
11:30	Mon. 12/5	11:30 -1:20
12:30	Wed. 12/7	11:30 -1:20
1:30	Mon. 12/5	1:30-3:20
2:30 or 3:00	Wed. 12/7	1:30-3:20
3:30	Mon. 12/5	3:30-5:20
4:30	Wed. 12/7	3:30-5:20

T/Th or T/Th/F at:	Exam Day	Exam Time
7:30, 7:50 or 8:30	Tues. 12/6	7:30-9:20
9:30, 10:10 or 10:30	Tues. 12/6	9:30-11:20
11:30 or 12:30	Tues. 12/6	11:30 -1:20
1:30 or 2:30	Tues. 12/6	1:30-3:20
3:00, 3:30 or 4:30	Tues. 12/6	3:30-5:20

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.