

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

Big 3	General Ed Requirement		Rating
Creative and Critical Thinking	Critical Thinking/ Problem Solving	Scientific Inquiry (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.
- 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.

Instructor Availability

Because this is an online course instructor/student interaction can be difficult. Canvas emails will be the primary means of communication. There are three standards that I will follow regarding emails.

1. I will respond to emails within 24 hours during the work week.
2. If you email me after 8:30pm I will probably not reply to you until the following morning.
3. If you email me during weekends or holidays I may not get back to you until the next work day. Chances are I will.

THE FLOW OF THE CLASS

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

The online class has a very different rhythm from on-campus classes, and each online course is different from other online courses. In this class, the first day of the 'online week' 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. (The exception is that our first week begins at 8:00 am.)

There are six major components to the course: 1) reading the textbook; 2) PowerPoint lectures (these are not narrated); 3) discussions; 4) labs; 5) exams; and 6) attendance.

DEADLINES ARE NOT FLEXIBLE.

Module progression:

You will have to progress through the modules as they are laid out. You must complete them in order and you must complete a module to move on to the next. Discussion will be included in the weekly overview, but will not be found in the learning modules. They will be located in the Discussion module.

Software

Word Processor: Microsoft Word is the only word processor supported at the college. You must use Microsoft Word to prepare any documents to be submitted. Documents submitted in any other format will not be accepted.

Web browser

You must use a Web browser supported by Canvas and it must be properly "tuned." Information about supported browsers and how to tune them is posted on the Distance Education Website (www.bellevuecollege.edu/distance/).

Required textbook (hard copy or e-copy)

ESSENTIALS OF PHYSICAL ANTHROPOLOGY – 9th Edition

JURMAIN, Kilgore and Travathan

ISBN: 978-1111837181

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: 120 points (3 x 40 points)**
- **Lab activities, write ups and participation labs: 230 points (Varying points dependent on the activity)**
- **Participation: 100 points**
- **Exams: 200 points (2 x 100 points)**

Discussions

A major part of the learning in this class comes from the exchange of ideas with other students. There are three discussions. This dialogue will occur in the form of three 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.

DISCUSSIONS will be accessed through the weekly modules and "Discussions" tab on the course home page

Your discussion commentaries and replies will be posted through the "DISCUSSIONS" tool, which can be found in the left hand tool bar.

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. If there online research is required, read the guidelines which will lay out the lines of research required.
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.
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.**

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.

Lab Activities

There are a total of 12 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. These are Lab so they will require you to collect and analyze data, not just follow step to complete an activity.

LABS will be accessed through the weekly modules as well as the "Labs" tab on the course home page

You labs will be submitted through the "ASSIGNMENTS" tool, which can be found in the left hand tool bar.

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 WITHOUT PRIOR APPROVAL BY THE PROFESSOR.

Participation:

You are expected to log on to Canvas at **least four different days per week**, more would be favorable. This can be for lectures, discussions, activities or other postings, or to check for announcements or emails. It is important that you check frequently as new information or directions may be posted at any time. As the instructors I can see what course elements you are looking at and how long you are looking at them. These points are an all or nothing case per week. If you log in

four times during a week you will get the points, if not, you will not get the points. These points will not appear in the grade book until the end of the quarter.

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 Canvas. Be sure you know how to successfully submit your answers when completed. Exam questions are derived from assigned readings, discussions, labs, internet links, lectures, labs, and any other instructional material presented in class.

EXAMS will be accessed through the “Exam” tab on the course home page only

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)	C = 72-77%	(468-506 pts)
A- = 90-91%	(585-597 pts)	C- = 70-71%	(455-467 pts)
B+ = 88-89%	(572-584 pts)	D+ = 68-69%	(442-454 pts)
B = 82-87%	(533-571 pts)	D = 50%-67%	(325-441 pts)
B- = 80-81%	(520-532 pts)	F = <50%	(<325 pts)
C+ = 78-79%	(507-519 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. This is tentative and potentially could change.

Week	Reading	Class Activities	Labs	Discussion Topic
Week 1 9/23 – 9/29	Ch. 1 & 2	<ul style="list-style-type: none"> Start Here Module Introduction to Anthropology History of Adaptation Studies 	<ul style="list-style-type: none"> #1 Scientific Methods (15) 	
Week 2 9/30 – 10/6	Ch. 3	<ul style="list-style-type: none"> History of Evolutionary Thought Natural Selection 	<ul style="list-style-type: none"> #2 Natural Selection (20) 	
Week 3 10/7 – 10/13	Ch. 4	<ul style="list-style-type: none"> Heredity & Evolution Genetics 	<ul style="list-style-type: none"> #3 DNA Extraction (15) 	Assign: Stem Cell and Eugenics
Week 4 10/14 – 10/20	Ch. 5	<ul style="list-style-type: none"> Macroevolution Speciation 	<ul style="list-style-type: none"> #4 Genetics Casino (20) 	Stem Cell and Eugenics
Week 5 10/21 – 10/27	Ch. 6	<ul style="list-style-type: none"> Forces of Evolution Hardy-Weinberg equilibrium 	<ul style="list-style-type: none"> #5 Hardy-Weinberg equilibrium (WS) (10) 	
Week 6 10/28 – 11/3	Ch.7	<ul style="list-style-type: none"> Living Primates 	<ul style="list-style-type: none"> Exam #1 (materials from week 1 – week 5) #6 Primate Adaptations (10) 	Assign: Bush Meat
Week 7 11/4 – 11/10	Ch. 8 & 9	<ul style="list-style-type: none"> Dating Methods Fossil Primates Hominid Origins 	<ul style="list-style-type: none"> #7 Primate Observation lab (35) 	Bush Meat
Week 8 11/11 – 11/17	Ch. 10	<ul style="list-style-type: none"> Early Hominid Record 	<ul style="list-style-type: none"> #8 Bipedalism Lab (20) 	
Week 9 11/18 – 11/24	Ch. 11	<ul style="list-style-type: none"> Late Hominid Record 	<ul style="list-style-type: none"> #9 Hominid skulls lab (30) 	
Week 10 11/25 – 12/1	Ch. 12	<ul style="list-style-type: none"> Modern Humans 	<ul style="list-style-type: none"> #10 Paleolithic Lab (15) 	Assign: Malaria and Culture

Week	Reading	Class Activities	Labs	Discussion Topic
Week 11 12/2 – 12/8	Ch. 13 & 14	<ul style="list-style-type: none"> Human Adaptation Race and Ethnicity 	<ul style="list-style-type: none"> #11 Human adaptation lab (20) #12 Blood lab (20) 	Conduct: Malaria and Culture
Finals week 12/9 – 12/11				

MY SCHEDULE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00 AM	Office Hours		Office Hours		Office Hours
8:30 AM	8:00 – 9:00		8:00 – 9:00		8:00 – 9:00
9:00 AM					
9:30 AM					
10:00 AM	IDS 110: Of Mice & Matter: Crime Scene Investigation S310 and S212	IDS 110: Of Mice & Matter: Crime Scene Investigation S310 and S212	IDS 110: Of Mice & Matter: Crime Scene Investigation S310 and S212	IDS 110: Of Mice & Matter: Crime Scene Investigation S310 and S212	IDS 110: Of Mice & Matter: Crime Scene Investigation S310 and S212
10:30 AM					
11:00 AM					
11:30 AM	9:30 – 12:20	9:30 – 12:20	9:30 – 12:20	9:30 – 12:20	9:30 – 12:20
12:00 PM					
12:30 PM					
1:00 PM	Anth&215: BioAnthropology w/lab	Office Hours	Anth&215: BioAnthropology w/lab	Office Hours	Anth&215: BioAnthropology w/lab
1:30 PM	12:30 – 2:40	1:00 – 2:00	12:30 – 2:4	1:00 – 2:00	12:30 – 2:4
2:00 PM					
2:30 PM					
3:00 PM		OFF CAMPUS		OFF CAMPUS	
3:30 PM					
4:00 PM					
4:30 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 before the next class session. Material provided in this way will be covered as a review in class but may 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.

WOULD YOU LIKE TO JOIN THE SOCIETY of STUDENT ANTHROPOLOGISTS at BELLEVUE COLLEGE?

Anthropologists can and do study just about anything. In our classes, you will learn about some of the usual topics...Join the club and find out about the other stuff. The SOCIETY of STUDENT ANTHROPOLOGISTS at BELLEVUE COLLEGE 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. We also continually contribute to a Heifer International Fund. Please contact Anthropology Professor Tony Tessandori, club advisor, if you are interested in joining other budding anthropologists in their pursuit of understanding humanity. (tony.tessandori@bellevuecollege.edu) ALSO see our Facebook page [Society of Student Anthropologists at BC](#).

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. All of them are offered on campus and 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 (6 credit of Lab Science) **or** ANTH& 205 – Biological Anthropology (5 credit of natural science)

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.

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/>

The MyBC website for this class: got to www.bellevuecollege.edu.

Click on MyBC link at the top of the page. Sign in and click on Class website link. There you will find course documents – which is where you will find the needed materials for this class.

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.

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| <input type="checkbox"/> Adhesive squares (4) | <input type="checkbox"/> Eldon card (1) | <input type="checkbox"/> Peas (about ¼ cup) | <input type="checkbox"/> Tooth picks (2) |
| <input type="checkbox"/> Alcohol 5ml: (In small capped tube) | <input type="checkbox"/> Eldon instruction card (1) | <input type="checkbox"/> Pipettes* (1) | <input type="checkbox"/> Tube - Large capped (1) |
| <input type="checkbox"/> Alcohol wipe (1) | <input type="checkbox"/> Eldon sticks (4) | <input type="checkbox"/> Plaster bandage (3 ft.) | <input type="checkbox"/> Tube - Small non-capped* (1) |
| <input type="checkbox"/> Chopsticks (pair) | <input type="checkbox"/> Lancet (2 types) | <input type="checkbox"/> Plastic bandage (1) | <input type="checkbox"/> Wire mesh screen (1) |
| <input type="checkbox"/> Cloths clip (1) | <input type="checkbox"/> M&Ms (1 large bag) | <input type="checkbox"/> Salt packet (1) | |
| <input type="checkbox"/> Coffee stirrer (2) | <input type="checkbox"/> Measuring cups (2) | <input type="checkbox"/> Sheets of colored paper (2) | |
| <input type="checkbox"/> Deck of cards (1) | <input type="checkbox"/> Meat tenderizer (a pinch in bag) | <input type="checkbox"/> Skittles* (2) | |
| <input type="checkbox"/> Dice (2x 2 colors) | <input type="checkbox"/> Paper 3d glasses* (1) | <input type="checkbox"/> Tape measure* (1) | |

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