

# Anthropology& 215 B: Biological Anthropology with Lab

Winter 2012

**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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**Tuesday, Thursday and Friday**

**12:30 – 2:20 (B120)**

**Final**

**3/22 11:30 – 1:20**

## 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
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 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 after the end of the final exam 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

### Assignment Submission Policy

All assignments must be submitted typed, unless otherwise stated. All written assignments will be submitted in **hard copy in class and in electronic form to my BC email address**. Electronically submitted documents will be posted on or before the due date of the assignment. These files will not be opened unless there is a problem. If you do not send an electronic form of your work, and the hard copy is not graded, no allowance will be made and the points will be lost. When you send your work to me over email the subject line need to contain all of the following information: ***Your name, your class and the title of the assignment***

This will make the retrieval process easier. This policy is for your protection and mine.

### 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 for a total of 650 points.

- **Write-up labs: 200 points (10 x 20 points)**
- **Participation labs: 100 points (4 x 25 points)**
- **Lab quizzes: 50 points (2 x 25 points)**
- **Discussion: 100 points (4 x 25 points)**
- **Exams: 200 points (2 x 100)**

### Write-up labs

As we proceed through the quarter, you will be conducting ten labs which will have accompanying write-ups. All labs will be conducted on Fridays. Each will vary in length; some will consist of formal reports; other will include data collection sheets and synthesis questions. The due dates will be given on the assignment handout. Assignment values will vary from 10 points to 40 points each. ***There will be not makeup laboratories or discussions (these cannot be recreated). If an officially documented emergency occurs alternative assignments may be given.***

### Participation Labs

We will also be conducting four lab activities that will be based on participation. You must be present to be eligible for credit. I will determine how points will be distributed base on your level of involvement. Each experience lab will be work 25 points. ***There will be not makeup laboratories or discussions (these cannot be recreated). If an officially documented emergency occurs alternative assignments may be given.***

### Lab Quizzes

As a way to demonstrate your understanding of the materials covered in lab there will be two lab quizzes. These will be held on Feb. 2<sup>nd</sup> and March 16<sup>th</sup>. Information covered in these quizzes will be from the labs conducted prior to each quiz. ***No make-ups on lab quizzes will be allowed. If an officially documented emergency occurs alternative assignments may be given.***

### Participation and Discussion

***We will be hold four formal in-class discussion. The amount of points is subject to my digression.*** Points will be based on my impression of your contributions to the discussion. I will be looking at your engagement and contributions to the discussions. Just being there is not enough. **RAISE YOUR HAND AND ADD TO THE DISCUSSION.**

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

1. **Your 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.
2. **Your participation in the discussion** – If you don't talk, you don't get the points.

***No make-ups on discussions will be allowed. If an officially documented emergency occurs alternative assignments may be given.***

## Exams

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 50 questions in the form of multiple choice, true/false and match.

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 first section of class. There will be 50 questions in the form of multiple choice, true/false, matching and short answer essay. You will need a scan-tron form and a number 2 pencil for this exam. More information will be provided as the exams approach.

*No makeup exams will be available without written documentation of a legitimate excuse (death, accident, hospitalization, illness, etc.).*

## Grading Scale

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

Grade & Percentage	Point Value	C+ = 78-79%	(507-519 pts)
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)

## 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:

WEEK	Date	Reading	Class Activities	Labs ( <i>italics</i> – hand in lab)	Discussion Topic
Week 1	1/3 – 1/6	Ch. 1 and 2	<ul style="list-style-type: none"> <li>Introduction</li> <li>History of Evolutionary Thought</li> <li>Natural Selection</li> </ul>	<ul style="list-style-type: none"> <li><i>Scientific Method lab</i></li> </ul>	
Week 2	1/10 – 1/13	Ch. 3 and 4	<ul style="list-style-type: none"> <li>Heredity &amp; Evolution</li> <li>Genetics</li> </ul>	<ul style="list-style-type: none"> <li>DNA part 1</li> <li><i>Natural Selection</i></li> </ul>	"If Humans were Built to last"
Week 3	1/17 & 1/20		<ul style="list-style-type: none"> <li>Genetics</li> <li>Macroevolution</li> </ul>	<ul style="list-style-type: none"> <li>Electrophoresis</li> <li>the Genetics Casino 1</li> </ul>	
Week 4	1/24 – 1/27	Ch. 5	<ul style="list-style-type: none"> <li>Forces of Evolution</li> <li>Speciation</li> </ul>	<ul style="list-style-type: none"> <li>Forces Lab</li> <li><i>the Genetics Casio 2</i></li> </ul>	Stem Cell and Eugenics
Week 5	2/2 and 2/3 No class on 1/31	Ch. 6	<ul style="list-style-type: none"> <li>Living Primates</li> </ul>	<ul style="list-style-type: none"> <li><b>Lab Quiz #1</b></li> <li><i>Primate Anatomy</i></li> </ul>	
Week 6	2/7 – 2/10	Ch.7 and 8	<ul style="list-style-type: none"> <li>Primate Behavior and Locomotion</li> <li><b>Exam #1</b> (2/10)</li> </ul>	<ul style="list-style-type: none"> <li><i>Primate Observation lab</i></li> </ul>	Bush Meat
Week 7	2/14 – 2/17	Ch.9	<ul style="list-style-type: none"> <li>Dating Methods</li> <li>Fossil Primates</li> </ul>	<ul style="list-style-type: none"> <li><i>Bipedalism Lab</i></li> </ul>	
Week 8	2/21 – 2/24	Ch. 10	<ul style="list-style-type: none"> <li>Hominid Origins</li> </ul>	<ul style="list-style-type: none"> <li><i>Hominid skull comparisons lab</i></li> </ul>	
Week 9	2/28 & 3/2 No class on 3/1	Ch. 11	<ul style="list-style-type: none"> <li>Late Hominid Record</li> <li>Doing Field Work in Kenya</li> </ul>	<ul style="list-style-type: none"> <li>Paleolithic Hunting</li> </ul>	
Week 10	3/6 – 3/9	Ch. 12 and 13	<ul style="list-style-type: none"> <li>Modern Humans</li> </ul>	<ul style="list-style-type: none"> <li><i>DNA part 2</i></li> </ul>	
Week 11	3/13 – 3/16	Ch. 14	<ul style="list-style-type: none"> <li>Human Adaptation</li> <li>Reproductive Ecology</li> </ul>	<ul style="list-style-type: none"> <li><b>Lab Quiz #2</b></li> <li><i>Blood lab</i></li> </ul>	Malaria and Culture
Final 3/21					

## MY SCHEDULE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 AM					
10:30 AM	Anth&215 A 10:30 - 12:20 B120		Anth&215 A 10:30 - 12:20 B120		Anth&215A 10:30 - 12:20 B120
11:00 AM					
11:30 AM		Office hours 11:30 - 12:30		Office hours 11:30 - 12:30	
12:00 PM					
12:30 PM	Office hours 12:30 - 2:00	Anth&215 B 12:30 - 2:20 B120	Office hours 12:30 - 2:00	Anth&215 B 12:30 - 2:20 B120	Anth&215 B 12:30 - 2:20 B120
1:00 PM					
1:30 PM					
2:00 PM					
2:30 PM					
3:00 PM		Anth&100 3:30 - 5:10 D101		Anth&100 3:30 - 5:10 D101	
3:30 PM					
4:00 PM					
4:30 PM					
5:00 PM					
5:30 PM					

### Finals Schedule

Daily or T/Th or T/Th/F ONLY:	Exam Day	Exam Time
7:30	T, 3/20	7:30-9:20
7:50 or 8:30	Th, 3/22	7:30-9:20
9:30	T, 3/20	9:30-11:20
10:10 or 10:30	Th, 3/22	9:30-11:20
11:30	T, 3/20	11:30 -1:20
12:30	Th, 3/22	11:30 -1:20
1:30	T, 3/20	1:30-3:20
2:30 or 3:00	Th, 3/22	1:30-3:20
3:30	T, 3/20	3:30-5:20
4:30	Th, 3/22	3:30-5:20

M/W or M/W/F Only:	Exam Day	Exam Time
7:30, 7:50 or 8:30	W, 3/21	7:30-9:20
9:30, 10:10 or 10:30	W, 3/21	9:30-11:20
11:30 or 12:30	W, 3/21	11:30 -1:20
1:30 or 2:30	W, 3/21	1:30-3:20
3:00, 3:30 or 4:30	W, 3/21	3:30-5:20

## SNOW DAYS or other non-schedule class cancelations

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](mailto:tony.tessandori@bellevuecollege.edu)) to learn more about majoring in anthropology.

## Tentative Spring Schedule

		On Campus	Online
ANTH& 100	Survey of Anthropology	X	X
ANTH 180	American Life and Culture	X	X
ANTH 106	Great Discoveries in Archaeology	X	
ANTH& 204	Archaeology*	X	X
ANTH& 205	Biological Anthropology+		X
ANTH& 206	Cultural Anthropology*	X	X
ANTH 208	Language, Culture and ,Society*	X	X
ANTH& 215	Biological Anthropology w Lab+	X	X
ANTH& 234	Religion & Culture		X

ANTH& 236	Forensic Anthropology	X	X
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(\* denotes required courses for the Academic Concentration in Anthropology)

(+ denotes a choice between two courses for the Academic Concentration in Anthropology)

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

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 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](mailto: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 be 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)

### Message from the chair

The Anthropology Department consists of a group of dedicated educators. We all want our students to learn and grow as they progress through their educations. 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](mailto: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](mailto: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

### 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.

**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](mailto: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](http://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 cites 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.