

Anthropology& 215: Biological Anthropology with Lab

Winter 2015

Instructor: Anthony Tessandori

Office:	D110H
Office Hours:	M/W – 1:30 – 2:30, T/TH – 11:00 – 12:00, F – 9:30 – 10:30
Telephone:	(425)564 – 4188
Email:	Primary email communications will through the Canvas Email System. Secondary communication may occur using my BC email account, replies may be delayed. Tony.tessandori@bellevuecollege.edu

Monday, Wednesday and Friday
Final

10:30 – 12:20 (B120)
Wednesday 3/25 – 9:30 – 11:20 am

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.

Course Outcomes:

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 hominin and non-human primates and gain knowledge of their taxonomic classification.
7. To demonstrate detailed paleo-anthropological knowledge of fossil hominoids and hominids, enabling the contrast, comparison and construction of hypothetical phylogenetic interpretations of hominin 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 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.

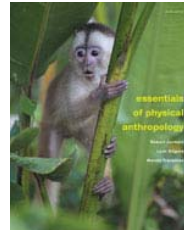
- All materials **MUST** be turned in by the end of the final exam period to be counted. No late work will be accepted after the end of the final exam unless arrangements with the professor have been made.
- Take advantage of extra credit opportunities.
- Use the instructor's office hours for questions.

Textbook and readings

ESSENTIALS OF PHYSICAL ANTHROPOLOGY – 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 for a total of 650 points.

- **Participation: 30 points**
- **Lab activities, write ups and participation labs: 300 points (Varying points dependent on the activity)**
- **Lab quizzes: 25 points**
- **Online lecture review questions 45 points (3 x15 points)**
- **Discussion: 100 points (4 x 25 points)**
- **Exams: 250 points: (midterm = 125, final = 125)**

Participation: Points in this category will be awarded based on attendance and your active involvement during lectures. These points will be distributed according to my discretion and assessment of your work and attendance throughout the quarter.

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 45 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. ***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 one lab quiz. These will be held on **2/20**. Information covered by this quiz will be from the labs conducted prior to each quiz. ***No make-ups on the lab quiz will be allowed. If an officially documented emergency occurs alternative assignments may be given.***

Online Lecture Review questions: There are will five online narrated lectures posted to the canvas site. The material in these lectures will be testable material and will be included on the exams. To ensure that you listen/watch these lectures there will be a set of questions to be turned in for credit the following week. Due dates will be given on the question sheet. All questions must be submitted in class.

Formal 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.**

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 and a written portion. It will be held on Friday in place of an in class lab.

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 scantron form and a number 2 pencil for this exam. More information will be provided as the exams approach.

No makeup on Discussion, Labs, Quizzes or Exams will be available without written documentation of a legitimate excuse (death, accident, hospitalization, illness, etc.). Just saying you were sick, you have a family trip planned, or you have to pick someone up at the airport is not enough, nor is a note from your mother.

Late work submission

Written assignments that are submitted after the start of class on the day it is due will be subject to a 10% reduction in points for every day it is late including weekends, non-instruction days and holidays. **After one week, late assignments will not be accepted and a 0 will be awarded.**

Just because this syllabus doesn't explicitly say you can't do something...doesn't mean you can.

A COMMENT ON GRADING - It does not matter how much you want it, how hard you worked on it or if you neeeeeeeed it. If the results aren't there, there is nothing I can do.

Grading Scale

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

Grade	Point Value	Grade	Point Value	Grade	Point Value	Grade	Point Value
A	750 – 697	B	651 – 622	C	576 – 547	D	494 - 450
A-	696 – 675	B-	621 – 600	C-	546 – 525	F	449 and below
B+	674 – 652	C+	599 – 577	D+	524 – 495		

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.

Computer and Cell Phone Policy

If you choose to take lecture notes on a computer you are free to do so. You are not permitted to email, Facebook or any other non-class related computer activity. You may want to check the web for more information about a topic we are discussing, please resist this temptation because it is can be distracting to other students. Please be aware that I know when you are doing something other than taking notes during lectures. The same is true for texting...You cannot hide it. Please refrain from this as well, improper computer use and texting during lecture can be highly distracting to other students and can negatively affect the learning environment. **I reserve the right to restrict or deny computer and cell phone usage in this class.**

Schedule:

Week	Reading	Class Activities	Online Activity/Lecture	Labs	Discussions
Week 1 1/5 – 1/9	Ch. 1 & 2	<ul style="list-style-type: none"> • Introduction • History of Evolutionary Thought 	History of human variation studies	<ul style="list-style-type: none"> • Scientific Methods (20) 	
Week 2 1/12 – 1/16	Ch. 3	<ul style="list-style-type: none"> • Natural Selection • Heredity & Evolution 		<ul style="list-style-type: none"> • Natural Selection (20) 	Built to last
Week 3 1/21 – 1/23 No Class 1/19	Ch. 4	<ul style="list-style-type: none"> • Cell Biology • Genetics • Macroevolution 		<ul style="list-style-type: none"> • Punnett squares ws (15) • Genetics Casino (20) • DNA part 1 (10) 	
Week 4 1/26 – 1/30	Ch. 5	<ul style="list-style-type: none"> • Speciation • Forces of Evolution • Hardy-Weinberg 	<ul style="list-style-type: none"> • Hardy-Weinberg tutorial 	<ul style="list-style-type: none"> • Electrophoresis (10) • Hardy-Weinberg ws (10) 	
Week 5 2/2 – 2/4 No Class 2/6	Ch. 6	<ul style="list-style-type: none"> • Living Primates 	<ul style="list-style-type: none"> • Dating Methods Online lecture 	<ul style="list-style-type: none"> • Game theory (15) • Fingerprints (10) 	Stem Cell
Week 6 2/9 – 2/13	Ch.7	<ul style="list-style-type: none"> • Living primates • Hominin Origins 	<ul style="list-style-type: none"> • Geologic time and fossil formation Online lecture 	<ul style="list-style-type: none"> • Exam #1 • Primate Observation (30) • Primate Physiology (10) 	
Week 7 2/18 – 2/20 No Class 2/16	Ch. 8	<ul style="list-style-type: none"> • Early Hominin Record 	<ul style="list-style-type: none"> • Fossil primates Online lecture 	<ul style="list-style-type: none"> • Lab Quiz #1 	Bush Meat
Week 8 2/23 – 2/27	Ch.9	<ul style="list-style-type: none"> • Late Hominin Record 		<ul style="list-style-type: none"> • Bipedalism Lab (30) 	
Week 9 3/2 – 3/6	Ch. 10	<ul style="list-style-type: none"> • Modern Humans • Doing Field Work 		<ul style="list-style-type: none"> • DNA part 2 (30) • Hominid skull lab (30) 	
Week 10 3/9 – 3/13	Ch. 11	<ul style="list-style-type: none"> • Human Adaptation 		<ul style="list-style-type: none"> • Paleolithic Hunting (15) 	
Week 11 3/16 – 3/20	Ch. 12	<ul style="list-style-type: none"> • Reproductive Ecology 		<ul style="list-style-type: none"> • Human adaptation (15) • Blood lab (10) 	Malaria and Culture
Finals week	Wednesday 3/25 – 9:30 – 11:20 am				

The number in (parenthesis) following the lab/activity indicates the point value.

ASSESSMENT	DATES	MATERIALS COVERED ON EXAMS AND QUIZZES		
Exam 1	2/13	<ul style="list-style-type: none"> • Chapters 1-6 	<ul style="list-style-type: none"> • Discussion 1 and 2 • Lectures from week 1 – 5 From beginning of class to “Hardy-Weinberg” 	
Lab Quiz	2/20	<ul style="list-style-type: none"> • Scientific Method • Natural Selection • DNA Structure 	<ul style="list-style-type: none"> • Punnett squares • DNA part 1 • the Genetics Casino 	<ul style="list-style-type: none"> • Electrophoresis • Forces Lab • Hardy-Weinberg • Game theory
Exam 2	3/25	<ul style="list-style-type: none"> • Chapters 7 – 12 	<ul style="list-style-type: none"> • Discussion 3 and 4 • Lectures from week 6– 11 (From “ Living Primates” to the end) 	

PowerPoint presentations posted online:

I will do my best to post a form of the lecture PowerPoint slides to the course Canvas site prior to class. This is not always possible. Regardless of when the PowerPoints are posted, you will still need to come to class. A great deal of the materials covered in class is not found on the PowerPoints, but is discussed during lectures.

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. Dr, Nancy Gonlin at nan.gonlin@bellevuecollege.edu to learn more about majoring in anthropology.

MY SCHEDULE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 AM					
9:30 AM					Lab Office Hour B120
10:00 AM					9:30 - 10:30
10:30 AM	BioAnth 215 B120 10:30 - 12:20		BioAnth 215 B120 10:30 - 12:20		BioAnth 215 B120 10:30 - 12:20
11:00 AM		Office Hour 11:00 - 12:00		Office Hour 11:00 - 12:00	
11:30 AM					
12:00 PM					
12:30 PM		Anth&220 D101 12:30 - 2:20		Anth&220 D101 12:30 - 2:20	
1:00 PM					
1:30 PM	Office Hour 1:30 - 2:30		Office Hour 1:30 - 2:30		Anth 235 R103B 2:00 - 4:00
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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)

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.

PROCEDURES AND GUIDELINES OF THE SOCIAL SCIENCE DIVISION

Cheating, Stealing and Plagiarizing*

Cheating, stealing and plagiarizing (using the ideas or words of another as one's own without crediting the source) and inappropriate/disruptive classroom behavior are violations of the Student Code of Conduct at Bellevue College. Examples of unacceptable behavior include, but are not limited to: talking out of turn, arriving late or leaving early without a valid reason, allowing cell phones/pagers to ring, and inappropriate behavior toward the instructor or classmates. The instructor can refer any violation of the Student Code of Conduct to the Dean of Student Services for possible probation or suspension from Bellevue College. Specific student rights, responsibilities and appeal procedures are listed in the Student Code of Conduct, available in the office of the Dean of Student Services and at [http://bellevuecollege.edu/policies/2/2050P_Student_Code_\(Procedures\).asp](http://bellevuecollege.edu/policies/2/2050P_Student_Code_(Procedures).asp)

Email Communication with instructors must be done through student email accounts only. Instructors cannot communicate with students about their course work or grades through student's personal email accounts.

Incomplete

If a student fails to complete all the required work for a course, an instructor may assign the grade of Incomplete ("I"). The student must complete the coursework by the end of the next quarter, or receive the assigned letter grade (usually an "F").

F Grade

Students who fail a course will receive a letter grade of "F."

Final Examination Schedule

The Social Science Division will adhere to the final examination schedule as stated in the BC Schedule. Final examinations will be held at the end of each quarter at fixed times. Instructors will not give examinations in advance of the regular schedule. A student who is absent from any examination held at any time during the quarter may forfeit the right to make up the examination. If, for illness or some other circumstance beyond the student's control, the student is unable to be present at any scheduled examination and has contacted the instructor on a timely basis, the student may be permitted to take such examination at a time designated by the instructor.

Withdrawal from Class

College policy states that students must formally withdraw from a class by the end of the seventh week of the quarter (Registration Office, B125). If a student has not withdrawn by that date, an appropriate letter grade will be assigned for the course.

Hardship Withdrawal

Instructors may assign the grade of "HW" (hardship withdrawal) at their discretion in the event that a student cannot complete the coursework due to extreme and exceptional circumstances. Students may also contact the Enrollment Services office BEFORE grades are assigned in cases of hardship.

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 an 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. If you are a student with a documented autism spectrum disorder, there is an additional access program available to you. Contact asn@bellevuecollege.edu or (425) 564-2764. ASN is located in the Library Media Center in D 125. www.bellevuecollege.edu/autismspectrumnavigators/. The DRC office is located in B 132 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/.

Distribution of Grades

Grades will not be posted in the Social Science Division or in faculty offices, and program assistants or coordinators will not give out grades. Students should access their grades through the BC Web site.

Return of Papers and Tests

Paper and/or Scantron score sheet returns will be arranged in the following ways ONLY: by mail, if student supplies the instructor with stamped, self-addressed envelope (with appropriate postage); or by the instructor designating a time and place whereby the student may retrieve his/her papers. Unclaimed papers and/or Scantron score sheets must be kept by the instructor for a minimum of sixty (60) instructional days following the end of the quarter.

**If you are accused of cheating, stealing exams and/or plagiarism, there is a Bellevue College Student Discipline and Appeals Procedure (the right to due process) which you may pursue. Contact the office of Division Chair (D110), the Dean of Student Services (B231A) or the Associated Student Body (C212) for information regarding the appeals process.*

Syllabus Agreement and quiz (2 points extra credit)

By signing this sheet and returning it to class by 1/12, I affirm that I have read and understand the requirements of Anth&215: BioAnthropology w/Lab (Winter 2015) set forth in the Syllabus Document posted to the class website. If I do not return this form I understand I am still subject to the requirements of the course.

Name (printed): _____

Signature: _____

Date: _____

1. How many Exams and Quizzes are this schedule in this course?

2. Where is your Instructor's office located?

3. What date is the Paleolithic tools lab scheduled for?

4. What the policy for make-up exam?

5. What is the laptop and cell phone use policy?