



# *BIOLOGICAL ANTHROPOLOGY*

## *ANTH& 215 with lab*



Bellevue College, Winter 2012

### *Welcome to Biological Anthropology!!!*

Anthropology is the holistic study of our species, *Homo sapiens*. Anthropologists combine methods, theories, and data from natural sciences, social sciences, and the humanities to examine the human experience in the broadest framework possible. Anthropology courses explore human biology, origins, prehistory, cultural diversity, and religious experience. This class focuses on humans as bio-cultural organisms, emphasizing an understanding of humans from an anthropological perspective.

**Professor:** Christine Dixon  
**Contact:** through the Vista course site  
**Mailbox location:** D110, Social Science Division Office  
**Office Phone:** (425) 564-2659  
**E-mail:** Since this is an online course please contact me via VISTA email only! (In case of emergency you may contact my BC address: [christine.dixon@bellevuecollege.edu](mailto:christine.dixon@bellevuecollege.edu))  
**Office Hours:** On-Line



### **Course Description**

Biological Anthropology (ANTH& 215) offers an anthropological view of how human biological characteristics arose, our relation to non-human primates, and how we continue to be shaped by evolutionary forces. Major topics include human genetics, adaptation, monkeys, apes and prosimians, fossil evidence for human evolution and the study of biological diversity in contemporary human populations. ANTH& 215 is a 5-credit course that counts as a science credit (Item 5071). (Please note that either ANTH& 205 OR ANTH& 215 may be taken for credit, but not both. Only ANTH& 215 counts toward the Anthropology Concentration).

### **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.

### **How Course Outcomes will be Met**

Outcomes will be addressed through visual materials, readings, discussions, labs, and exams.

### **General Education Ratings**

This course is rated "3" in the areas of "Critical Thinking" and "Nature of Science" and "2" in the area of "Science and the Natural World."

## Required Textbook

***Essentials of Physical Anthropology, 8th ed. ISBN: 978-0-8400-3259-1***

Robert Jurmain, Lynn Kilgore, and Wenda Trevathan.

### **Online Text Companion for Students:**

[http://www.wadsworth.com/cgiwadsworth/course\\_products\\_wp.pl?fid=M20b&product\\_isbn\\_issn=9780840032591&token=](http://www.wadsworth.com/cgiwadsworth/course_products_wp.pl?fid=M20b&product_isbn_issn=9780840032591&token=)

This textbook was chosen for a number of reasons:

- 1) it's one of the best on the market, written by a well-known authority,
- 2) it has ample free on-line support for students,
- 3) it's comprehensive, yet concise,
- 4) it's ideal for a quarter long course,
- 5) and it can be bought in an online format or rented from the publisher to help mitigate costs.

## Course Syllabus

You are required to review this syllabus and the attached Procedures and Guidelines of the Social Science Division. Enrollment in the course constitutes an agreement to abide by the policies set forth in these items.

## Course Outline

### **I. Introduction**

Anthropology as a Social Science  
Fields of Anthropology

### **II. Scientific Method & Physical Anthropology**

Applications  
Limitations  
Field Methods

### **III. Evolutionary Theory**

History of Scientific Knowledge  
Darwinian Evolution

Genetics and Natural  
Selection  
Modern Synthesis

### **IV. Human & Primate Evolution**

Primate Origins & the Fossil  
Record  
Human Fossil Record

### **V. Modern Human Variation & Adaptation**

Human Population  
Adaptations  
Biodemography

## What is the rhythm of this class?

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

The on-line class has a very different rhythm from on-campus classes, and each on-line course is different from other on-line courses.

In this class, the first day of the 'on-line 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. For example, Week 2 begins on Monday, Jan 9 at 12:01 AM and ends on Sunday, Jan 15 at 11:59 PM.

## Components of Course Assessment

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 11:59 pm. 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 am on Fridays. Points will not be given if you comment on others' posts before 12:01 am on Fridays. All comments must be posted before the following Sunday at 11:59 pm. 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 and send it to me by the end of the on-line week (Sunday at 11:59 pm). 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 #*

Christine Dixon– **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. You will need to pick up your lab kit at Bellevue College. For those of you outside of the Bellevue College area, a lab kit will be mailed to the address that each of you specify after DAY 10 of the course. This kit will include the supplies needed to complete the labs for this course.

***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! Both are worth 200 points each in your overall score (though when you take them they will likely not be out of 200 points- this gets calculated at the end of the quarter)

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, videos/DVDs, handouts,

discussions, activities, internet links, lectures, labs, and any other instructional material presented in class. It is helpful to turn off all electronic devices before the start of the exam so that you can fully concentrate.

Exam Dates & Materials Covered on Each Exam EXAM	DATE	MATERIALS COVERED
<b>Mid-Term</b>	Available Monday Feb 6, 2012 6 am Due by Sunday Feb 12, midnight	Textbook Chapters 1, 2, 3, 4, 5, 6, 7, 8 All materials from
<b>Final Exam</b>	<b>Available: Wed. 12:01 am</b> It is STRONGLY recommended that you complete all course materials first! <b>Due by: Mon. midnight</b>	Textbook Chapters 8,9,10,11,12,13,14 All materials from  NOTE: this is not a cumulative exam

## GRADING

Grades will be calculated using points. You can earn up to 850 points during the quarter, distributed as follows:

Class Requirement	Value
2 Exams	400 points
5 Discussions	150 points
10 Tutorial quizzes	50 points
10 Labs (25 points each)	250 points
<b>TOTAL POINTS</b>	<b>850 points</b>

### Final Grades:

Students must complete all course requirements within the quarter in which the student enrolled before a final course grade will be issued.

"Official grades are available about 1 week after the quarter ends. Several ways to obtain your grades are:

1. BCC website: [www.bellevuecollege.edu](http://www.bellevuecollege.edu)
2. Kiosk in the Student Services Building or the Campus Information Center
3. Mail: leave a self-addressed stamped envelope at the Student Service Center, with your Student ID #.
4. In person at the Student Service Center."

Grading Final Grade & Corresponding Percentage	Corresponding Point Value
A = 92-100%	778-850 points
A- = 90-91%	761-777 points
B+ = 88-89%	744-760 points
B = 82-87%	692-743 points
B- = 80-81%	676-691 points
C+ = 78-79%	659-675 points
C = 72-77%	608-658 points
C- = 70-71%	591-607 points
D+ = 68-69%	574-590 points
D = 50%-67%	421-573 points
F = <50%	0-420 points

## Affirmation of Inclusion

Bellevue College is committed to maintaining an environment in which every member of the campus community feels welcome to participate in the life of the college, free from harassment and discrimination. We value our different backgrounds at Bellevue College, and students, faculty, staff members, and administrators are to treat one another with dignity and respect. This classroom is a SafeSpace. Please check this website for further information: <http://bellevuecollege.edu/about/goals/inclusion.asp>

## 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/>

## Preventing Plagiarism

**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.

**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/>

## What Other Anthropology Courses Are Offered at Bellevue College?

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

## Concentration in Anthropology

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

In addition to earning an AAS degree, you can take 20 or 21 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)

## 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](#).

## Bellevue College Resources

**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>

## Student Eco-Conduct

**Student Eco-Conduct:** Students are expected to make decisions that have the smallest environmental impact while maximizing student learning. This includes:

- \*Think before printing documents for this class, adjust the printable margins, print double sided and reuse any paper as scratch paper.
- \*Turn in papers electronically or when necessary turn in printed assignments double sided, single spaced and using small margins of at least .75 inches.
- \*Recycle all paper, bottles and cans.
- \*Adjust the power settings on your computer so the monitor and CPU will sleep after 20 minutes of inactivity. Turn off all electronic devices such as computers and printers, when you are finished with them.