

## **Anthropology& 215: Biological Anthropology with Lab**

***Instructor: Anthony Tessandori***

|               |  |
|---------------|--|
| Office:       | D100A  |
| Office Hours: | MW 9:00 – 10:30 T TH 11:30 – 12:30 or by appointment                           |
| Telephone:    | (425)564 – 4188  |
| Email:        | <a href="mailto:atessand@bellevuecollege.edu">atessand@bellevuecollege.edu</a> |

### ***Meeting Times & Locations***

**Monday and Wednesday**

**12:30 a.m. – 2:20 p.m.**

**Final**

**Wednesday, 3/24, 11:30 a.m.-1:20 p.m.**

### **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.
- Take advantage of extra credit opportunities.
- Use the instructor's office hours for questions.

## Textbooks

**Biological Anthropology (6<sup>th</sup> Edition), Michael Allen Park, McGraw-Hill (Required)**

**Photographic Atlas for Physical Anthropology (Brief Edition), Whitehead, Morton (Recommended)**

## 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.

- Participation: 50 pts.
- Lab Write-ups: (5 @ 60 pts. ea.): 300 pts.
- Diversity Project: (4 @ 25 pts.): 100 pts.
- Exams (2 @ 100 pts. ea.): 200 pts.

## Participation

These points will be based on my impression of your contribution to the class. This includes attendance, engagement in class topics, and readiness for each class session.

## Lab Write-ups

We will be conducting six laboratory assignments. These will include both physical activities and discussion based activities. Most lab activities will occur on Wednesday. I will provide you with a lab handout by the Monday prior to the scheduled activity. It is your responsibility to read and understand the entire lab activity prior to coming to the lab session. Lab write-ups are due

one week after the completion of each activity. **Late write-ups are subject to 10% reduction in points each day it is late including non-class days and weekends.**

### The Diversity in You

You are an individual that is composed of an amazing amount of diversity. Regardless of what you think you are made up, you are made of more. This project will explore this. This project will have five steps. Four will be turned in in-class, the last step will be tacked on to the final exam. Each step will focus on a unique aspect of you. My goal in assigning this is to get you to see yourself in a new and amazing ways. Most of all I want you to enjoy this process. It will be hard at times but in the long run it will be well worth it. More information will be provided.

**Late write-ups are subject to 10% reduction in points each day it is late including non-class days and weekends.**

### Exams

There will be three non-cumulative exams. Each will cover material from the preceding section of the course. They will be made of 50 multiple-choice and true/false. The final exam may have a cumulative essay portion. You will need a scantron form for each exam. *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.

| Letter | Decimal | Percentage Scale | Lowest point total |
|--------|---------|------------------|--------------------|
| A      | 4.0     | 96-100%          | 624                |
| A -    | 3.7     | 90-95%           | 585                |
| B+     | 3.3     | 87-89%           | 565                |
| B      | 3.0     | 83-86%           | 539                |
| B -    | 2.7     | 80-82%           | 520                |
| C+     | 2.3     | 75-79%           | 487                |

|     |     |        |     |
|-----|-----|--------|-----|
| C   | 2.0 | 65-74% | 422 |
| C - | 1.7 | 60-64% | 390 |
| D+  | 1.3 | 56-59% | 364 |
| D   | 1.0 | 50-55% | 325 |
| F   | 0   | < 50%  |     |

### Academic Integrity and Safe Zone

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.

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.

## Schedule:

The schedule below indicates due dates for assignments and associated tutorials and readings. Penalty for late submissions of written assignments is 10% per day late.

| Date            | Reading                       | Class Activities                                | Labs/ Diversity                    |
|-----------------|-------------------------------|---|------------------------------------|
| Week 1<br>1/4   | Ch. 1 and 2                   | Introduction<br>History of Evolutionary Thought |                                    |
| 1/6             |                               | Genetics  | Diversity 1                        |
| Week 2<br>1/11  | Ch. 3 and 4<br>Lab directions | Genetics  |                                    |
| 1/13            |                               |   | DNA part 1                         |
| Week 3<br>1/20  |                               | Heredity & Evolution<br><b>Holiday on 1/18</b>  |                                    |
| Week 4<br>1/25  | Ch. 5                         | Macroevolution<br>Forces of Evolution           |                                    |
| 1/27            |                               |   | Primate Locomotion                 |
| Week 5<br>2/1   | Ch. 6                         | <b>Exam #1 (2/1/10)</b><br>Living Primates      | Diversity 2                        |
| 2/3             |                               | Fossil Primates                                 |                                    |
| Week 6<br>2/8   | Ch.7 and 8                    | Hominid Origins                                 |                                    |
| 2/10            |                               |   | Walking                            |
| Week 7<br>2/17  | Ch.9                          | <b>No Class on 2/15</b>                         |                                    |
| Week 8<br>2/22  | 10                            | Hominid Record                                  |                                    |
| 2/24            |                               |   | Paleolithic Hunting<br>and Hominid |
| Week 9<br>3/1   | Ch. 11                        | Doing Field Work in Kenya                       | Diversity 3                        |
| 3/3             |                               | Modern Humans                                   |                                    |
| Week 10<br>3/8  | Ch. 12 and 13                 | Human Adaptation                                |                                    |
| 3/10            |                               |   | DNA part 3                         |
| Week 11<br>3/15 |                               |   | Blood lab                          |
| 3/17            | Ch. 14                        | Reproductive Ecology                            |                                    |
| Final 3/24      | Wednesday, 3/24,              | 11:30 a.m.-1:20 p.m.                            |                                    |

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### Finals Schedule

| Daily or M/W or M/W/F ONLY at: | final exam time        |
|--------------------------------|------------------------|
| 7:30 or 7:50 am                | 3/22, 7:30-9:20 am     |
| 8:30 AM                        | 3/24, 7:30-9:20 am     |
| 9:30 AM                        | 3/22, 9:30-11:20 am    |
| 10:10 or 10:30 am              | 3/24, 9:30-11:20 am    |
| 11:30 AM                       | 3/22, 11:30 am-1:20 pm |
| 12:30 PM                       | 3/24, 11:30 am-1:20 pm |
| 1:30 PM                        | 3/22, 1:30-3:20 pm     |
| 2:30 or 3:00 pm                | 3/24, 1:30-3:20 pm     |
| 3:30 PM                        | 3/22, 3:30-5:20 pm     |
| 4:30 PM                        | 3/24, 3:30-5:20 pm     |

| T/Th or T/TH/F Only       | final exam time            |
|---------------------------|----------------------------|
| 7:30, 7:50 or 8:30 a.m.   | 3/23, 7:30-9:20 a.m.       |
| 9:30, 10:10 or 10:30 a.m. | 3/23, 9:30-11:20 a.m.      |
| 11:30 a.m. or 12:30 p.m.  | 3/23, 11:30 a.m.-1:20 p.m. |
| 1:30 or 2:30 p.m.         | 3/23, 1:30-3:20 p.m.       |
| 3:00, 3:30 or 4:30 p.m.   | 3/23, 3:30-5:20 p.m.       |

### WOULD YOU LIKE TO JOIN THE WEIRD ANTHROPOLOGY CLUB?

Anthropologists can 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 discuss topics from Bigfoot to indigenous hunting techniques and everything in between. Please contact Anthropology Prof. Tony Tessandori ([tony.tessandori@bellevuecollege.edu](mailto:tony.tessandori@bellevuecollege.edu)) if you are interested in joining other weird anthropologists in their pursuit of understanding humanity.

### In-class Laptop Policy:

The use of laptops is permitted in class for note take purposes only. On rare occasions checking the internet for sources is permitted but only when working in groups, or during break. Web surfing, Emailing, Chatting, shopping...etc is not permitted. If you are caught violating these rules you will be banned from using a laptop in class.

### WHAT OTHER COURSES IN ANTHROPOLOGY ARE OFFERED AT BC?

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).

There is also a general introductory class (Survey of Anthropology) which highlights all four sub-disciplines. Check BC's Course Catalogue for a full description of each course. There are no prerequisites for any of these courses and they fulfill degree requirements. Stop by and visit the Social Science Advisor, Deanne Eschbach, in Room D110, for free professional planning and advising.

### 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.

ANTH& 204 – Archaeology (5 credits)

ANTH& 206 – Cultural Anthropology (5 credits)

ANTH 208 – Language, Culture, & Society (5 credits)

ANTH& 215 – Bioanthropology with Lab (5 credits)

### 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/>

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5 units

- TRiO Student Support Services: <http://bellevuecollege.edu/TRiO/>
- Writing Lab @ BCC: <http://bellevuecollege.edu/writinglab/>

**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 once a week, 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>

**To get announcements of campus closures:**

- Receive email and text messages through the BC Alert System (sign up at <http://bellevuecollege.edu/alerts>).
- Visit [www.SchoolReport.org](http://www.SchoolReport.org) or subscribe to their emergency email and text message service.
- Call BC's emergency information line: (425) 401-6680.
- Check the BC home page (<http://bellevuecollege.edu>) for a link to the BC emergency information website, OR access that page directly at <http://bellevuecollege.edu/publicsafety/>.

**PROCEDURES AND GUIDELINES OF THE SOCIAL SCIENCE DIVISION**  
**Winter 2010**

**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.

**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.

**Students Who Require Disability Accommodations:** Students with disabilities who have accommodation needs are encouraged to meet with the Disability Resource Centre (DRC) office located in B132 (telephone 425.564.2498 or TTY 425.564.4110), to establish their eligibility for accommodation. The DRC office will provide each eligible student with an accommodation letter. Students who require accommodation in class should review the DRC accommodation letter with each instructor during the first week of the quarter.

Students with mobility challenges who may need assistance in case of an emergency situation or evacuation should register with Disability Resource Centre, and review those needs with the instructor as well.

**Distribution of Grades** Grades will not be posted in the Social Science Division or in faculty offices, and secretaries 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.*