

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

***Instructor: Anthony Tessandori***

|               |  |
|---------------|--|
| Office:       | A100D  |
| Office Hours: | MW 9:30 - 10:30 TTH 2:30 – 3:30 and TH 11:00 – 12:00 or<br>by appointment      |
| Telephone:    | (425)564 – 4188  |
| Email:        | <a href="mailto:atessand@bellevuecollege.edu">atessand@bellevuecollege.edu</a> |

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

**Mon and Wed**

**12:30 a.m. – 2:40 p.m.**

**Final**

**12/8, 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.
- 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)**

## 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: (6 @ 50 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. Some labs will occur during class time, other will be conducted as homework.

Most of the in-class lab activities will occur on **Wednesdays**. I will provide you with a lab handout by the Mon 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.

**There are not make-ups for in-class labs.**

For at home labs, the assignment will be discussed in class. If you miss the discussion it is your responsibility to get the information from a class mate. You will have one week to complete the activity. Write-ups will be due in class the following week.

**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 four steps. Three 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

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. Penalty for late submissions of written assignments is 10% per day late.

| <b>Date</b>     | <b>Reading</b> | <b>Class Activities</b>                         | <b>Labs/ Diversity</b>                                    |
|-----------------|----------------|---|---|
| Week 1<br>9/20  | Ch. 1 and 2    | Introduction<br>History of Evolutionary Thought | Scientific Method lab                                     |
| 9/22            |                | Genetics  | Diversity 1   |
| Week 2<br>9/27  | Ch. 3 and 4    | Genetics  |   |
| 9/29            |                |   | <i>DNA part 1</i>   |
| Week 3 10/4     |                | Heredity & Evolution                            |   |
| 10/6            |                |   |   |
| Week 4<br>10/11 | Ch. 5          | Macroevolution<br>Forces of Evolution           |   |
| 10/13           |                |   |   |
| Week 5<br>10/18 | Ch. 6          | <b>Exam #1</b><br>Living Primates               | Diversity 2   |
| 10/20           |                | Primate Behavior                                |   |
| Week 6 10/25    | Ch.7 and 8     | Fossil Primates                                 |   |
| No Class 10/27  |                |   |   |
| Week 7<br>11/1  |                |   | Primate Locomotion<br>lab                                 |
| 11/3            | Ch.9           | Hominid Origins                                 |   |
| Week 8<br>11/8  |                |   | <i>Walking</i>  |
| 11/10           | Ch. 10         | Hominid Record                                  |   |
| Week 9<br>11/15 |                |   | Diversity 3<br><i>Paleolithic Hunting<br/>and Hominid</i> |

| Date             | Reading       | Class Activities                           | Labs/ Diversity  |
|------------------|---------------|--|------------------|
| 11/17            | Ch. 11        |  |                  |
| Week 10<br>11/22 | Ch. 12 and 13 | Doing Field Work in Kenya<br>Modern Humans |                  |
| 11/24            |               | Human Adaptation                           | DNA part 2       |
| Week 11<br>11/29 | Ch. 14        | Reproductive Ecology                       | <i>Blood lab</i> |
| 12/1             |               |  |                  |
| Final<br>12/8    | Wednesday     | 11:30 – 1:20                               |                  |

**Labs in italics denote Labs done in class. The date shown for the labs are the days they will occur, due dates for write-ups will be one week later.**

#### Finals Schedule

| If your class meets Daily or M/W or M/W/F ONLY at: | Exam Day  | Exam Time   |
|--|-----------|-------------|
| 7:30   | Mon, 12/6 | 7:30-9:20   |
| 7:50 or 8:30                                       | Wed, 12/8 | 7:30-9:20   |
| 9:30   | Mon, 12/6 | 9:30-11:20  |
| 10:10 or 10:30                                     | Wed, 12/8 | 9:30-11:20  |
| 11:30  | Mon, 12/6 | 11:30 -1:20 |
| 12:30  | Wed, 12/8 | 11:30 -1:20 |
| 1:30   | Mon, 12/6 | 1:30-3:20   |
| 2:30 or 3:00                                       | Wed, 12/8 | 1:30-3:20   |
| 3:30   | Mon, 12/6 | 3:30-5:20   |
| 4:30   | Wed, 12/8 | 3:30-5:20   |

| If your class meets T/Th or T/Th/F ONLY at: | Exam Day  | Exam Time   |
|---|-----------|-------------|
| 7:30, 7:50 or 8:30                          | Tue, 12/7 | 7:30-9:20   |
| 9:30, 10:10 or 10:30                        | Tue, 12/7 | 9:30-11:20  |
| 11:30 or 12:30                              | Tue, 12/7 | 11:30 -1:20 |
| 1:30 or 2:30                                | Tue, 12/7 | 1:30-3:20   |
| 3:00, 3:30 or 4:30                          | Tue, 12/7 | 3:30-5:20   |

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

There is a general introductory class (Survey of Anthropology) which highlights all four subdisciplines 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.

#### WHAT COURSES ARE WE OFFERING FOR THE WINTER 2011? (Tentative Schedule)

| TIME / DAY       | MONDAY/WEDNESDAY                          | TUESDAY/THURSDAY                              |
|------------------|---|---|
| 8:30 – 10:20 am  | ANTH& 206: Cultural Anthropology Hybrid   | ANTH& 100: Survey of Anthropology Hybrid      |
| 10:30 – 12:20 pm | ANTH& 196: Incas & Their Ancestors Hybrid | ANTH& 208: Language, Culture & Society Hybrid |

Bellevue College  
 Anthropology& 215  
 5 units  
 Section A

|                 |                                    |   |
|-----------------|------------------------------------|---|
| 12:30 – 2:40 pm | ANTH& 235: Cross-cultural Medicine | ANTH& 215: Biological Anthropology with Lab |
|                 |                                    | ANTH&204: Archaeology                       |
| 3:00 – 5:10 pm  |                                    | ANTH& 100: Survey of Anthropology           |
| 5:30 – 7:40 pm  | ANTH& 234: Religion & Culture      |   |
| 7:50 – 10:00 pm |                                    | ANTH 180: American Life & Culture           |

#### On-Line

|   |
|---|
| ANTH& 100: Survey of Anthropology           |
| ANTH 180: American Life and Culture         |
| ANTH& 215: Biological Anthropology with Lab |
| ANTH& 208: Language, Culture & Society      |
| ANTH& 234: Religion & Culture               |

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

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 Weird Anthropology Club's 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. Please contact Anthropology Professor Tony Tessandori, club advisor, if you are interested in joining other weird anthropologists in their pursuit of understanding humanity.

( [tony.tessandori@bellevuecollege.edu](mailto:tony.tessandori@bellevuecollege.edu) ) →

Want to know how great you would look as a cavewoman or caveman?

Go to: [www.humanorigins.si.edu/resources/multimedia/mobile-apps](http://www.humanorigins.si.edu/resources/multimedia/mobile-apps)



#### 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. By next academic year, all of them will be offered 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 (5 credit of Lab Science)

**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>

**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/>

**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.