

Anthropology& 236: Forensic Anthropology

Instructor: *Anthony Tessandori*

Office:	D110K
Office Hours:	M/W/F – 9:00 – 10:00 and T/TH – 11:30 – 12:30
Telephone:	425-564-4188
Email:	Tony.tessandori@bellevuecollege.edu

Meeting Times & Locations

Monday/ Wednesday
Final Exam

12:30 – 2:40
Dec. 7th 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, cultural diversity, and religious experience. Students in anthropology courses acquire basic skills in critical thinking, oral and written communication, quantitative reasoning, group interaction, and cultural diversity.

Content for Anthropology& 236: Forensic Anthropology

Introduces the basic procedures employed by forensic anthropologists during the recovery and analysis of human remains and associated materials of legal interest. Explores how biological anthropologist apply osteology, skeletal variation and plasticity, skeletal pathology, archaeological recovery of evidence, an body decomposition to medical/legal investigations. Prerequisite (recommended): ANTH& 204 (prev ANTH 105) or ANTH& 215 (prev ANTH& 205 and Anth 201)

At the conclusion of Anthropology& 236 you will be able to:

1. Identify elements of human skeletal and dental anatomy.
2. Identify characteristics that differentiate the manner of death (natural causes, homicide, suicide or accident), and the principles used for estimation of time of death.
3. Describe techniques used for biological profiling (age, sex, race, height) from skeletal remains.
4. Describe the theories and techniques used in forensic DNA analysis.
5. Describe characteristics of evidence at crime scenes, including methods of collection, preservation, analysis, class differentiation, comparison and report preparation.
6. Demonstrate an understanding of the legal role of the forensic anthropologist including issues in crime scene processing and evidence collection.

General Education Rating

Critical Thinking, Creativity, and Problem Solving:	2
Research/ Intion Literacy:	1
Computer Literacy:	1
Group Processes:	1

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Ethics:	1
Cultural Diversity:	1
The 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.
- Take advantage of extra credit opportunities.
- Use the instructor's office hours for questions.

If you require an accommodation for a disability, please contact:

Disability Resource Center Contact Information:

Telephone: 425-564-2498

E-mail: drc@bellevuecollege.edu

Textbook (Required)

- Forensic Anthropology by Steven N. Byers. (Third Edition), (2008), Pearson Prentice Hall, ISBN 0-205-53236-5

Recommended

- Human Osteology: Laboratory and Field Manual by Bass
ISBN 9780943414966

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.

- Online activities: 50 pts
- Bone test: 100 pts
- Mid-term: 100 pts
- Lab Portfolio: 150 pts
- Final Exams and Practicum: 250 pts

Online Activities

Each week I will post an online activity for you to complete. There will support and supplement the materials we covered in class for that week. I will inform you each week how I want you to demonstrate your completion of the task. Activities may include: Web based activities, tutorials, discussion, and readings.

Lab Portfolio

We will be conducting to hands on activities. These will labs will examine human and non-human bones; structures and features of bones, human remain identification and crime scene analysis. For these "labs" you will have to complete a lab activity found which will be provided in class.

These assignments will include charts to fill in, vocabulary, questions to answer and drawings. All of these elements are meant to help you memorize the material. Once you have completed each lab assignment you will put it in a binder. This will serve as you lab notebook/portfolio. **You will submit this binder at the end of the quarter for a grade.**

For this assignment you will have to be present to be eligible for credit. There are not make ups for these assignments. If you do miss a lab section although you cannot get the points for it, I recommend that you do get the information from a classmate. It will be important for the exams and practical.

Bone Test

On Oct. 19th your first examination will be held. It will cover the bones of the body, features on the bones and orientation of the bones. This test will evaluate your ability to quickly recognize different elements of the skeleton. Knowing the bones, features, landmarks and orientations of bones is the first step in reconstructing a forensic crime scene.

Exams

There will be two exams, one mid-term and one cumulative final.

The mid-term will cover all material from the preceding section of the course, including the bone identification, lectures, labs and text readings. It will be made of 50 multiple-choice true/false and fill-in questions.

The final exam will test your understanding of forensic anthropology and your mastery of the methods. All of the materials covered in this class are fair game. This is due to the cumulative nature of the methods of identification. The final exam will occur during the last class meeting prior to finals week.

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). If a makeup exam is granted it may be different in format than the class exam.

Lab Practical

We will have a lab practical that will occur during the final period. The practical will utilize all of your skills of identification. It will require critical thinking and creative problem solving. More detailed descriptions of what I expect from you will be presented in class. Because the practical is based on the hands on labs we have in class, it is crucial to your success in this class that you do not miss class session. **There will be no make-ups for the practical.**

Grading Scale

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

Grade & Percentage	Point Value
A = 92-100%	(598-650 pts)
A- = 90-91%	(585-597 pts)
B+ = 88-89%	(572-584 pts)
B = 82-87%	(533-571 pts)
B- = 80-81%	(520-532 pts)
C+ = 78-79%	(507-519 pts)

C = 72-77%	(468-506 pts)
C- = 70-71%	(455-467 pts)
D+ = 68-69%	(442-454 pts)
D = 50%-67%	(325-441 pts)
F = <50%	(<325 pts)

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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.

Date	Reading	Class Activities	Labs and Projects
Week 1 9/19	Ch. 1	Introduction What is Forensic Anthropology	
9/21	Ch. 2	Orientation Bone Growth and development	
Week 2 9/26	Ch. 3	Forensic Context	
9/28		The Skull, auditory ossicles and the hyoid bone	Lab 1 – bone of the skull
Week 3 10/3		The Rib cage, Sternum Vertebral Column	Lab 2 – Axial Skeleton
10/5	Ch. 4, 5, 6 Due on 10/19	Upper Limb bones Pectoral girdle	Lab 3 – Upper Appendicular
Week 4 10/10		Lower limb bones Pelvic girdle	Lab 4 – Low Appendicular
10/12		Dentition	
Week 5 10/17		Skeleton Review	
10/19	Ch. 4, 5, 6 Due on 10/19	Bone Test	
Week 6 10/24		Forensic Recovery	Lab 5 – Evidence collection
10/26		No Class	
Week 7 10/31	Ch. 8, 9	Sex Determination Age Determination	Lab 6 – Sex Determination and Age at Death
11/2	Ch. 7, 10	Stature Estimation Racial Determination	Lab 7 – Stature Ancestry Determination
Week 8		Exam Review	

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Date	Reading	Class Activities	Labs and Projects
11/7			
11/9		Midterm	
Week 9 11/14	Ch. 11,12	Metric and Non-Metric Variation	Lab 7 – Non-Metric Variation
11/16	Ch. 13, 14	Osteo-Pathology	Lab 8 – Pathologies
Week 10 11/21	Ch. 15, 16	Cause and Manor of Death Trauma	Trauma Analysis
11/23	Ch. 17, 18	Finger Print analysis	Finger Print Analysis
Week 11 11/28		Blood splatter analysis Ethics	Lab 10 – Blood Spatter
11/30	Ch.19	Practical Review	
Final			

MY SCHEDULE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:30 AM					
9:00 AM	Office Hours		Office Hours		Office Hours
9:30 AM	9:00 - 10:00		9:00 - 10:00		9:00 - 10:00
10:00 AM					
10:30 AM	Anth& 215 B120 10:30 - 12:20		Anth& 215 B120 10:30 - 12:20		Anth& 215 B120 10:30 - 12:20
11:00 AM					
11:30 AM		Office Hours		Office Hours	
12:00 PM		11:30 - 12:30		11:30 - 12:30	
12:30 PM	Anth& 236 B120 12:30 - 2:40	Anth 100 D101 12:30 - 2:40	Anth& 236 B120 12:30 - 2:40	Anth 100 D101 12:30 - 2:40	
1:00 PM					
1:30 PM					
2:00 PM					
2:30 PM					
3:00 PM					

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 and before the next class session. Material provided in this way will be covered as a review in class but will 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

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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) to learn more about majoring in anthropology.

Tentative Winter Schedule

		On Campus	Online
ANTH& 100	Survey of Anthropology	X	X
ANTH 180	American Life and Culture	X	X
ANTH& 204	Archaeology*		X
ANTH& 206	Cultural Anthropology*	X	X
ANTH 208	Language, Culture and ,Society*	X	X
ANTH 209	Ancient North America	X	
ANTH& 215	Biological Anthropology w Lab*	X	X
ANTH& 235	Cross-Cultural Medicine	X	
ANTH& 234	Religion & Culture		X
ANTH& 236	Forensic Anthropology		X
ANTH 294	Socio-Linguistics	X	

(* denotes required courses for the Academic Concentration in Anthropology)

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)

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)

Message from the chair (aka the caveman)

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. 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

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

Finals Schedule

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Daily or M/W or M/W/F at:	Exam Day	Exam Time
7:30	Mon. 12/5	7:30-9:20
7:50 or 8:30	Wed. 12/7	7:30-9:20
9:30	Mon. 12/5	9:30-11:20
10:10 or 10:30	Wed. 12/7	9:30-11:20
11:30	Mon. 12/5	11:30 -1:20
12:30	Wed. 12/7	11:30 -1:20
1:30	Mon. 12/5	1:30-3:20
2:30 or 3:00	Wed. 12/7	1:30-3:20
3:30	Mon. 12/5	3:30-5:20
4:30	Wed. 12/7	3:30-5:20

T/Th or T/Th/F at:	Exam Day	Exam Time
7:30, 7:50 or 8:30	Tues. 12/6	7:30-9:20
9:30, 10:10 or 10:30	Tues. 12/6	9:30-11:20
11:30 or 12:30	Tues. 12/6	11:30 -1:20
1:30 or 2:30	Tues. 12/6	1:30-3:20
3:00, 3:30 or 4:30	Tues. 12/6	3:30-5:20

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.

- **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.