

Anthropology& 236: Forensic Anthropology

Instructor: *Anthony Tessandori*

Office:	D110K
Office Hours:	M – F: 12:30 – 1:30
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Meeting Times & Locations

Tuesday/Thursday

10:30 – 12:20

Final Exam

6/14 9:30 – 11:20

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
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.

Textbook (Required)

- Forensic Anthropology by Steven N. Byers. (Third Edition), (2008), Pearson Prentice Hall, ISBN 0-205-53236-5
- Human Osteology by Tim D. White (third edition) (2011) Academic Press, ISBN 978-0123741349

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.

- Bone test: 150 pts
- Mid-term: 100 pts
- Lab Portfolio: 50 pts
- Case studies (5 x 30 points) 150 pts
- Final Exams Practicum: 200 pts

Case Studies

I will be posting Case Studies from Forensic Anthropology to the MyBC website. We depending on the case study these will be handled in different ways. We may discuss them or they may require some form of analysis. I will let you know prior to the assignment of the case study.

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. I will post answer keys to the labs after they have been completed. It is in your best interest to do these assignments before checking the answers. Your grade is based on completeness of your binder.

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 no 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. You will want to use all the time you have to learn the bones and methods. You may think you can do it at home, but I assure you that the hands on lab activities are the only way to get a strong enough grasp on this materials.

Bone Test

On May 3rd, 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.

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 Examination

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)

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 4/3	Ch. 1	Introduction What is Forensic Anthropology	
4/5	Ch. 2	Orientation Bone Growth and development	
Week 2 4/10	Ch. 3	Forensic Context	
4/12		The Skull, auditory ossicles and the hyoid bone	Lab 1 – Bones of the skull
Week 3 4/17		The Rib cage, Sternum Vertebral Column	Lab 2 – Axial Skeleton
4/19	Ch. 4, 5, 6 Due on 5/3	Upper Limb bones Pectoral girdle	Lab 3 – Upper Appendicular
Week 4		Lower limb bones	Lab 4 – Lower Appendicular

Date	Reading	Class Activities	Labs and Projects
4/24		Pelvic girdle	
4/26		Dentition	Lab 5 – Dentition
Week 5 5/1		Skeleton Review	
5/3	Ch. 4, 5, 6 Due on 5/3	Bone Test	
Week 6 5/8		Forensic Recovery	Lab 6 – Evidence collection
5/10		Sex Determination	Lab 7– Sex Determination Case study 1
Week 7 5/15	Ch. 8, 9	Age Determination	Lab 8 – Age at Death Case study 2
5/17	Ch. 7, 10	Stature Estimation	Lab 9 – Stature Determination Case study 3
Week 8 5/22		Racial Determination	Lab 10 – Ancestry Determination Case study 4
5/24		Exam Review	
Week 9 5/29	Ch. 11,12		Lab 11 - Non-Metric Variation
5/31	Ch. 13, 14	Midterm	Lab 12 - Pathologies
Week 10 6/5	Ch. 15, 16	Ethics Metric and Non-Metric Variation	
6/7	Ch. 17, 18	Osteo-Pathology Cause and Manor of Death Trauma	Case study 5
Week 11 6/12	Ch.19	Practical Part 1	
Final			

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.

MY SCHEDULE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 AM					
10:30 AM					
11:00 AM	Anth&215 A	Anth&236	Anth&215 A	Anth&236	Anth&215A
11:30 AM	10:30 - 12:20	10:30 - 12:20	10:30 - 12:20	10:30 - 12:20	10:30 - 12:20
12:00 PM	B120	B120	B120	B120	B120
12:30 PM					
1:00 PM	Office Hours	Office Hours	Office Hours	Office Hours	Office Hours
1:30 PM	12:30 - 1:30	12:30 - 1:30	12:30 - 1:30	12:30 - 1:30	12:30 - 1:30
2:00 PM					

Finals Schedule

Daily, M/W, M/W/F ONLY:	Exam Day	Exam Time
7:30	Fri, 6/15	7:30-9:20
7:50 or 8:30	Wed, 6/13	7:30-9:20
9:30	Fri, 6/15	9:30-11:20
10:10 or 10:30	Wed, 6/13	9:30-11:20
11:30	Fri, 6/15	11:30 -1:20
12:30	Wed, 6/13	11:30 -1:20
1:30	Fri, 6/15	1:30-3:20
2:30 or 3:00	Wed, 6/13	1:30-3:20
3:30	Fri, 6/15	3:30-5:20
4:30	Wed, 6/13	3:30-5:20

T/Th or T/Th/F ONLY at:	Exam Day	Exam Time
7:30, 7:50 or 8:30	Thrs, 6/14	7:30-9:20
9:30, 10:10 or 10:30	Thrs, 6/14	9:30-11:20
11:30 or 12:30	Thrs, 6/14	11:30 -1:20
1:30 or 2:30	Thrs, 6/14	1:30-3:20
3:00, 3:30 or 4:30	Thrs, 6/14	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 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) to learn more about majoring in anthropology.

Tentative Summer and Fall

		Summer		Fall	
		On campus	Online	On campus	Online
ANTH& 100	Survey of Anthropology	X	X	X	X
ANTH 180	American Life and Culture		X	X	X
ANTH 197	Ancient Egypt: Temples, Tombs and Tut			X	
ANTH& 204	Archaeology*		X		X
ANTH& 205	Biological Anthropology+	X	X		X
ANTH& 206	Cultural Anthropology*		X	X	X
ANTH 208	Language, Culture and ,Society*		X	X	X
ANTH 212	Aztecs, Mayas & Their Ancestors			X	
ANTH& 215	Biological Anthropology w Lab+			X	X
ANTH& 234	Religion & Culture		X	X	X
ANTH 220	Sex, Gender and Culture			X	
ANTH& 236	Forensic Anthropology			X	

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

(+ denotes a choice between two courses for the Academic Concentration in Anthropology)

WOULD YOU LIKE TO JOIN THE SOCIETY of STUDENT ANTHROPOLOGISTS at BELLEVUE COLLEGE?

Anthropologists can and do study just about anything. In our classes, 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) ALSO see our Facebook page [Society of Student Anthropologists at BC](#).

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)

Message from the chair

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

Anthropology Paper Usage Policy

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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 Spring 2012

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

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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.*