

ANT 3520: Section 9265
Skeleton Keys: Introduction to Forensic Anthropology
Spring 2018

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Office: TUR B325
Office Hours: Monday 2-5 pm or by appointment

Class Times: Monday- Period 6 (12:50 PM - 1:40 PM) and Wednesday- Period 5 - 6 (11:45 AM - 1:40 PM)
Location: [TUR L005](#)

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Office: TUR B355
Office Hours: Wednesday 1-4 pm

Course Objectives: This course provides an introduction to the field of forensic anthropology. Forensic anthropology is an applied area of biological anthropology that focuses on the identification of human skeletal remains in a medicolegal context. This course will introduce you to basic terms and principles of forensic anthropology, focus on concepts and their applications, and present case histories. This is not intended to be a “how-to” course but a general overview of the discipline. Upon completion of this course, you should be able to:

- Define the field of forensic anthropology and its purview
- Have a general understanding of human osteology
- Understand the basic concepts underlying determination of the biological profile, including sex, age, ancestry, and stature
- Describe different types of skeletal trauma, and differentiate between antemortem and postmortem trauma

*****Some lectures will include disturbing and graphic images. Consider your reaction to this material before taking this course. You will be responsible for all course material.*****

Course Materials:

Required: Warren MW et al. 2011 *Bare Bones: A Survey of Forensic Anthropology*. 2nd edition. Kendall-Hunt Publishing.

Additional readings will be provided by the instructor and posted on Canvas. Advance warning will be given in class and via Canvas when these readings will be needed for class.

Course Policies:

Attendance: You are expected to attend class at all scheduled lecture times with all assigned readings completed before each lecture in order to facilitate discussion and understanding of the material. **Lectures will not be distributed by the instructor outside of class; PowerPoint**

presentations will NOT be posted to Canvas. If you are unable to attend class, you should get the information covered that day from another student.

Electronics: Cell phones, iPods, MP3 players, and any other mobile devices are allowed during class time if they are not disruptive to the class. Recordings or photographing of the slides, presentations or lectures are not allowed unless permission is given by the instructor. If the use of these devices is disruptive to the class, and you do not comply when asked to stop the disruptive behavior, you will be asked to leave the lecture.

Grading: There will be three (3) in-class exams worth 100 points each (300pts total). The exams are not cumulative and contribute equally to your final grade. Participation will be given based on in-class quizzes and in-class activities worth 5 points each (90pts total). The lowest 3 participation grades will be dropped. Assignments worth 10 points each will be due via Canvas (60 pts total). A final paper will be worth 50 points. If you would like to contest a grade, you must do so within one week of that grade being posted. After that time, all grades are final. Final grades will be calculated as a percentage of the total available points (500) and graded using the following scale:

	Points	% of Grade
Exam 1	100	20
Exam 2	100	20
Exam 3	100	20
Participation Activities/Quizzes	90	18
Assignments	60	12
Final Paper	50	10

Final grades will be rounded following conventional math standards; grades ending with a decimal of .5 or greater will be rounded up to the next integer.

Information on current UF grading policies for assigning letter grades can be found here: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Exams:

Exams are to be taken on the scheduled day (see below). Each exam is worth 100 points. Exams will be a combination of matching, true/false, multiple choice, and short answer. Exam material includes lectures, the textbook, videos shown in-class, and guest speakers. Study guides for exams will be provided one week before the exam.

Assignments:

Six short assignments will be due by 5 pm on days indicated on the Reading Schedule. Each assignment is worth 10 points. All assignments should be turned in via Canvas by 5 pm. The assignments vary and include activities such as interpreting a field map and discussions of the reading that was assigned to be completed on or before that day. All instructions for the assignments will be clearly stated in the assignment page on Canvas. If there is an error with submitting to Canvas, students should email the assignment to the instructor or grader before the deadline.

Class Participation and Quizzes:

Twenty-one in-class quizzes or activities will occur throughout the semester, not advertised beforehand. Some of these will be in class activities while others will be written in-class quizzes. Students must be present in class to receive credit for these in-class quizzes or activities. Students will receive zero points if their answer is illegible to the grader and/or their name is not present. The lowest 3 (three) quizzes/activities will be dropped.

Final Paper:

Students must write a 5-8 page literature review of a topic related to this course. Topics need to be approved by the instructor via Canvas no later than April 3, 2018. The paper must be font size 12 Times New Roman, double spaced, and 1 inch margins. A minimum of 7 recent (i.e., within the last 5 years) primary research articles that will inform you about a research question are required. You must integrate these articles (e.g. compare and contrast their findings) to lead you to a tentative conclusion on the topic. You should include articles that provide different viewpoints on the topic if possible. This document is due on Canvas no later than April 30, 2018 at 5:00pm. This is worth up to fifty (50) points. See Canvas for rubric and instructional pdf for additional details.

Extra Credit:

One extra credit opportunity is available. Students may on his or her own or in groups create a video with a mnemonic device or fun, easy way to learn information from the course (e.g., song and/or dance). The video can be on any topic covered in the course provided it is done in an appropriate manner. Students should run their plan for this video by the instructor in email form and receive the approval of the instructor prior to submitting the video. This video may be used as a teaching tool for future classes. It is worth 10 points. This video is due on Canvas no later than April 24 at 5:00pm. File formats that cannot be viewed by the grader and/or the instructor will not receive credit. The file should be labeled with all students involved or it should be included as a comment with the submission. No other extra credit will be given/accepted.

Miscellaneous:*Accommodations*

Students requesting classroom accommodation should first register with the Dean of Students Office (<http://www.dso.ufl.edu/drc/>), who will then provide the necessary documentation for the course instructor. It is the student's responsibility to provide the necessary documentation to the instructor. Accommodations cannot be applied retroactively, so be sure to submit documentation to the instructor as soon as possible. Allow for 3 (three) business days of processing time before the accommodations will begin.

If you are experiencing personal problems that are interfering with your studies, you are encouraged to take advantage of the available university resources:

- UF Counseling and Wellness Center: 3190 Radio Road, (352) 392-1575
- Student Mental Health: Student Health Care Center, (352) 392-1171
- Sexual Assault Recovery Services: Student Health Care Center, (352) 392-1161

Honor Code

Students are expected to uphold the UF student Honor Code. Plagiarism and/or cheating on any exam, assignment, or quiz will not be tolerated. Plagiarism is representing the work of another as all or any portion of student's own work. This includes quoting published or unpublished work without proper attribution. Students found to be engaging in these behaviors will receive zero (0) points for that exam, assignment, or quiz. Plagiarism will result in zero (0) credit regardless of the student's intent. Disciplinary action will follow university policy outlined by the Dean of Students. See <https://sccr.dso.ufl.edu/students/student-conduct-code/>

Late or Missed Work

Late work will not be accepted without official documentation. It is the student's responsibility to provide the instructor with the appropriate documentation and meet with the instructor to devise a schedule for completing the missed work. If possible, the student must notify the instructor that they will miss an exam before the examination period begins. No make-ups will be accepted after two weeks past the original exam/assignment/quiz if practicable. If a student misses an exam, quiz, or assignment without making the appropriate arrangements with the instructor, they will be assigned a grade of E (0 points). Note that the format of the make-up exam(s) may differ from that of regularly scheduled exams (e.g., primarily composed of essay questions). Documentation for late or missed work, including exams, must be provided within 48 hours of the excused period of absence.

Additional Required Reading:

- Appleby, J., Ruddy, G. N., Hainsworth, S. V., Woosnam-Savage, R. C., Morgan, B., Brough, A., ... & Buckley, R. (2015). Perimortem trauma in King Richard III: a skeletal analysis. *The Lancet*, 385(9964), 253-259.
- Berry, M., Mankin, H., Gebhardt, M., Rosenberg, A., & Hornicek, F. (2008). Osteoblastoma: A 30-year study of 99 cases. *Journal of Surgical Oncology*, 98(3), 179-183.
- Bird, C. E., & Fleischman, J. M. (2015). A rare case of an intact bone plug associated with a gunshot exit wound. *Journal of Forensic Sciences*, 60(4), 1074-1077.
- Christensen, A. M., & Myers, S. W. (2011). Macroscopic observations of the effects of varying fresh water pH on bone. *Journal of Forensic Sciences*, 56(2), 475-479.
- Colard, T., Delannoy, Y., Naji, S., Gosset, D., Hartnett, K., & Bécart, A. (2015). Specific patterns of canine scavenging in indoor settings. *Journal of Forensic Sciences*, 60(2), 495-500.
- Ferraro, J. V., & Binetti, K. M. (2014). American alligator proximal pedal phalanges resemble human finger bones: Diagnostic criteria for forensic investigators. *Forensic science international*, 240, 151-e1.
- Gill, J. R., Rainwater, C. W., & Adams, B. J. (2009). Santeria and Palo Mayombe: skulls, mercury, and artifacts. *Journal of Forensic Sciences*, 54(6), 1458-1462.
- Langley, N. R. (2007). An anthropological analysis of gunshot wounds to the chest. *Journal of Forensic Sciences*, 52(3), 532-537.
- Moraitis, K., & Spiliopoulou, C. (2006). Identification and differential diagnosis of perimortem blunt force trauma in tubular long bones. *Forensic Science, Medicine, and Pathology*, 2(4), 221-229.

Powell, B. J., Passalacqua, N. V., Baumer, T. G., Fenton, T. W., & Haut, R. C. (2012). Fracture patterns on the infant porcine skull following severe blunt impact. *Journal of Forensic Sciences*, 57(2), 312-317.

Semeraro, D., Passalacqua, N. V., Symes, S., & Gilson, T. (2012). Patterns of trauma induced by motorboat and ferry propellers as illustrated by three known cases from Rhode Island. *Journal of Forensic Sciences*, 57(6), 1625-1629.

Spring 2018 Topics and Reading Schedule:

Below is a tentative schedule of topics to be discussed over the course of the semester. Dates and topics are subject to change, however, the instructor will make all attempts to notify the class of any changes as they arise. Due dates for assignments and exams will not change except for university wide cancellation of courses.

Date	Day	Topic	Reading	Assignment
8 Jan	M	Introduction: What is forensic anthropology?	Syllabus	
10 Jan	W	The history of forensic anthropology	Ch 2	
15 Jan	M	No Class		
17 Jan	W	Medicolegal aspects of death	Ch1, 3	
22 Jan	M	Field Protocols and Procedures		Assignment 1
24 Jan	W	Postmortem interval & Taphonomy	Ch 4; R1; R2	
29 Jan	M	Lab Protocols and Procedures		
31 Jan	W	Skeletal Biology & Human vs. Non-Human	Ch 4; R3	
5 Feb	M	Exam 1		
7 Feb	W	Osteology	Handouts/Ch 5	
12 Feb	M	Osteology	Handouts/Ch 5	Assignment 2
14 Feb	W	Biological profile: Age at death	Ch 8	
19 Feb	M	Biological profile: Biological sex	Ch 6	
21 Feb	W	Biological profile: Ancestry and Race	Ch 7	Assignment 3
26 Feb	M	Biological profile: Osteometrics/Stature	Ch 5, 9	
28 Feb	W	Biological profile: Individual Characteristics	Ch 10	
5 Mar	M	No class		Assignment 4
7 Mar	W	No Class		
12 Mar	M	Exam 2		
14 Mar	W	Pathology	R4	
19 Mar	M	Forensic Reconstruction	Ch 11; R5	
21 Mar	W	Fracture Mechanics & Postmortem vs. antemortem	R6	
26 Mar	M	Sharp Force Trauma	Ch 12; R7	
28 Mar	W	Blunt Force Trauma	Ch 12; R8;	Assignment 5
2 Apr	M	Burned bones & Chemical damage	Ch 13	
4 Apr	W	Ballistics/ Bomb Blast	R9; R10	
9 Apr	M	Historic cases	R11	
11 Apr	W	Mass Fatalities/human rights	Ch 15 and 16	
16 Apr	M	Video Anastasia		Assignment 6
18 Apr	W	The Other Forensic Sciences		
23 Apr	M	Forensic Anth Career/ Ethics	Ch 16	
25 Apr	W	Exam 3		

R= Canvas Reading