

PREVIEW SYLLABUS - SUBJECT TO REVISION!
Bioarchaeology: Human Remains in Archaeology
ANTH 4459.001 / ANTH 4459.002 (lab)
BIOL 4459.001 / BIOL 4459.002 (lab)
Spring 2017

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Faculty Profile: <https://www.uta.edu/profiles/naomi-cleghorn>
Sociology & Anthropology Department Phone: 817-272-2661
Office Hours: Wednesday 9:30 am - 2:30 pm
(but please make an appointment, as I may step out to get lunch)

CLASS MEETS: Tuesday and Thursday 12:30 - 2:50 pm, University Hall 468



COURSE DESCRIPTION:

Bioarchaeology is the study of human remains from archaeological contexts. Bioarchaeologists attempt to reconstruct individual identity and life history (including growth and development, health, nutrition, work, migration, family affiliation, and cause of death). This is a method-oriented class that combines lecture and lab work.

STUDENT LEARNING OUTCOMES:

Upon completion of the course, students will be able to:

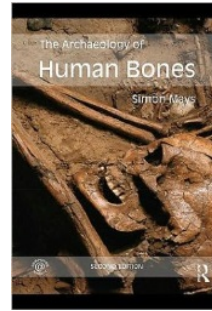
- Describe and apply basic techniques of life history reconstruction and individual identification.
- Identify a range of pathologies and traumas in human remains.
- Explain some of the current issues and debates in bioarchaeology.

PREREQUISITES:

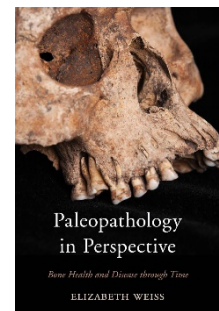
There are no formal prerequisites for this course. However, a familiarity with human osteology is very helpful. Students lacking this preparation should plan to spend additional time in independent study of the human skeleton. This is in addition to the typical time spent preparing for each class. If you have any questions about preparation, please contact the instructor.

REQUIRED TEXTS: (4 BOOKS)

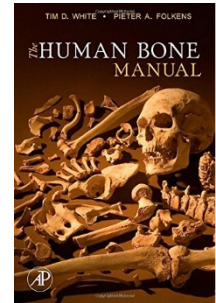
- The Archaeology of Human Bones, 2nd Edition, 2010
By Simon Mays (\$16.55 to rent)



- Paleopathology in Perspective, 2015
By Elizabeth Weiss (~\$40 - \$50 used)



- Any human osteology reference with good photos and labeled bone landmarks.
I recommend: *The Human Bone Manual* by White and Folkens (\$18 to rent)
- Standards for Data Collection from Human Skeletal Remains, 1994
By Jane Buikstra and Douglas Ubelaker (~\$55 used)



Note - this last one is usually not available through the bookstore. I suggest you buy it on-line. If you have difficulty obtaining this, I have a lab copy you can work with.

REQUIREMENTS & EXPECTATIONS

IMPORTANT DATES:

Assignments & Assessments	Date
Human Osteology Quiz	January 26 th
Age & Sex Lab Due	February 14 th
Plagiarism Quiz Due	February 21 st
Annotated Research Bibliography Due	February 21 st
Craniometric and Stature Lab Due	February 28 th
Pathology Lab Due	March 21 st
Dental Lab Due	March 30 th
First Paper Draft Due	April 3 rd
Trauma Lab Due	April 11 th
Osteobiography Due	April 18 th
Cemetery Project Due	April 25 th
Final Paper Due	May 4 th
Final Exam	May 11 th (11 - 1:30 pm)

In-Class Lab Start Dates	Date
Age & Sex Lab	February 2 nd
Osteometric and Stature Lab	February 14 th
Pathology Lab	February 28 th
Dental Lab	March 21 st
Trauma Lab	April 4 th
Cemetery Project	April 18 th

DETAILED REQUIREMENTS AND GRADE PERCENTAGES:

15% Osteobiography:

Each student will prepare an osteobiography on one of the laboratory skeletons, providing an overall picture of that individual's age, sex, stature, biological affinity, health, evidence of trauma and any other details relevant to your skeleton. You will collect this information in conjunction with the associated labs. You will prepare a finished professional report on your osteobiography, including photo documentation, and submit this by **April 18th, 2017**.

40% Lab Projects/Practical Quiz:

Over the course of the semester we will have 6 laboratory projects that will provide you with some practical analytical experience. These will include in-class, outdoor, and take-home analyses. In addition, there will be a general osteology quiz on the third day of class. Each of these assignments is equally weighted, although they may require different amounts of time.

20% Final Exam:

This is cumulative and will include both written and practical portions.

25% Research paper/presentation:

Each student will choose a paper topic (a suggestion list is provided below) during the first 2 weeks of class, and will be expected to begin the research process immediately. Students will compile an annotated bibliography early in the semester and a partial draft after spring break. The final paper will be between 1500 and 2500 words (about 4 pages single-spaced), and will be due **May 4th**. Each student will give a short (7 minute) presentation of their research paper at the end of the semester. Course grade values of each part of this assignment break down as follows: 5% research bibliography, 5% first draft, 10% Final Paper, 5% presentation (these are out of the 25% of the whole, and are percentages of the total course grade).

Potential Paper Topics:

Investigate one of the following issues from a bioarchaeological perspective and citing case studies (from multiple regions, if possible). You **DO NOT have to provide a comprehensive overview** of the whole scope of each topic. **Think of these as starting points.** You will probably want to constrain your research to particular regions or time periods. If you have a topic that you would like to research that is not on this list, contact me right away to discuss it. Only one student per topic! Topics are assigned based on the order of email requests received, so email me soon with you top choice (You may want to give me your top 3 choices).

1. Understanding childhood through bioarchaeology
2. Altering skeletons for long-term interactions
3. Bioarchaeological evidence for the origin / spread of infectious disease
4. Post-mortem punishment
5. Slavery and the skeleton
6. Sex and gender in bioarchaeological interpretation
7. Immigrant populations in prehistory
8. Evidence for warfare and conflict
9. Religious identity and the dead
10. Evidence for ancient health care and medical intervention
11. Urban systems of dealing with the dead
12. Cannibalism
13. Mortuary practice and infants
14. Mummies and the afterlife
15. Social strata: hierarchy and equality in death
16. Bioarchaeological indicators of human sacrifice
17. Skeletal alterations in life: Piercing, foot-binding, and cranial modification
18. The antiquity of age-related conditions

Research Sources for Paper:

Your research should be based on a minimum of 6 scholarly sources (scholarly books or peer review journal article). Do not rely on web sources such as Wikipedia or similar sites - these are not reliable. Ask me if you are uncertain about a source. If you are unsure how to find such sources, contact me and/or the Anthropology Reference Librarian, John Dillard (dillard@uta.edu).

When preparing your annotated bibliography please see the following link for guidance.

<https://owl.english.purdue.edu/owl/resource/614/01/>

Required use of a reference manager:

When researching and writing this paper, I require you to use a reference manager like Zotero, End Notes, or Ref Works. I highly recommend Zotero (which is free). If you have not done this before, talk to me as soon as possible and I will give you a tutorial. Failing to use a reference manager in the preparation of your annotated bibliography or paper will impact your grade - this is a requirement!

ATTENDANCE / PARTICIPATION:

Attendance is voluntary, however, I will keep track of this and it may factor into any conversation we have about your performance in the class. Attendance also affects your access to on-line resources (i.e., lecture slides) and extra lab time. If your attendance falls below 80% (for all classes and labs combined), you will not have access to either of these resources.

RECOMMENDATION REQUESTS:

If you plan to ask me for a recommendation for employment, graduate school, or any other endeavor upon completion of this course, note that I have the following minimum requirements:

- Grade of A or B (depending on the scholarly requirements of the recommendation).
- Excellent attendance and participation in both class and lab.
- Ask me for the request at least 2 weeks in advance.
-

ONE MORE REQUIREMENT -- Due February 21st --

On-line Plagiarism Tutorial:

You must complete the tutorial to get credit for written work. I will not begin to grade these assignments until you have passed this quiz, and your assignment will incur late penalties as a result. Failure to complete this could result in complete loss of credit for some assignments.

~ALSO~

If you violate the standards of academic integrity described on the Office of Student Conduct site, and in the tutorial, you will fail the course. Be sure to read through the tutorial carefully!

- Go to the web site of the Office of Student Conduct:
- (<http://www.uta.edu/conduct/academic-integrity/index.php>)
- Review the UTA policies on Academic Integrity.
- Click on the link to the Plagiarism Tutorial.

You must pass this with a score of 100%
in order to get credit for the tutorial.

(The site itself will tell you that 70% is passing,
but we have higher expectations in anthropology).

You may take the tutorial as many times as you require to achieve 100% accuracy.

Please enter your first and last name when prompted by the test.

At the conclusion of a successful test, **you must have the test email your results to me** - I will not give you credit unless **I receive the email from the test**. I generally send out an email acknowledging receipt. If you don't get this within 3 days, check in with me.

If you've done this for me before, please do it again. Review never hurts.

Grade Scale:

90% and greater	A
80% to 89%	B
70% to 79%	C
60% to 69%	D
Less than 60%	F

* A .5% is rounded to next higher grade.

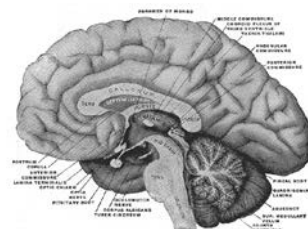
COURSE POLICIES

(including the policies of the Vice Provost for Academic Affairs):

1. ACADEMIC INTEGRITY POLICY:

Make sure all your work is the product of

YOUR BRAIN!



As a student of the University of Texas at Arlington, you are expected to maintain the highest standards of academic integrity. Any instance of academic dishonesty will have a significant negative impact on your scholastic record, not to mention your grade in this class.

Discipline may include a **failing grade for the class** together with either **suspension or expulsion** from the University of Texas. Also, academic misconduct **will be reported** to the Office of Student Conduct.

I am not kidding and I have no tolerance for even "small" amounts of cheating or plagiarism. To avoid doing this "accidentally," **never cut and paste from anything you didn't write.**

The Board of Regents has defined academic dishonesty as follows: "Scholastic dishonesty includes but *is not limited to* cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents' Rules and Regulations, Series 50101, Section 2.2).

All students enrolled in this course are expected to adhere to the **UT Arlington Honor Code:**

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

2. LATE WORK POLICY:

Assignments are graded down 10% of their value per day after the due date.

3. ELECTRONIC COMMUNICATION POLICY:

I expect you to check your UTA email daily during the week!

A note from the Provost: UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

To obtain your NetID or for logon assistance, visit:

<https://webapps.uta.edu/oit/selfservice/>.

If you are unable to resolve your issue from the Self-Service website, contact the Helpdesk at helpdesk@uta.edu.

4. MAKE-UP TEST POLICY:

In general, I do not offer make-up quizzes or exams. If you have an exceptional emergency that prevents you from attending a test, contact me immediately and let me know. If possible (and this is *not* always logistically possible) I will try to accommodate. However, I can only accommodate one such emergency - **please do not ask a second time.**

5. ATTENDANCE POLICY: **Be there on time!**

Attendance and punctuality are required. Walking in late is rude and distracting - don't do it! Students who are late, absent, or unconscious on multiple occasions will lose points on their overall grade.

The Provost's Office would like me to add: "At The University of Texas at Arlington, taking attendance is not required. Rather, each faculty member is free to develop his or her own methods of evaluating students' academic performance, which includes establishing course-specific policies on attendance."

6. BLACKBOARD POLICY:

Check it often for assignments, instructions, announcements, and to monitor your progress.

7. ELECTRONIC DEVICE POLICY:



From my perspective, when I lecture I am in a conversation with you. Granted, I tend to do much of the talking, but it's a conversation, nevertheless. When you start texting in the middle of lecture, it's exactly as if you were texting in the middle of a one-on-one conversation with me - which is both rude and really distracting. So don't even have your cell phone out in class. If you need to leave it on vibrate for emergency calls, discuss this with me before class.

I also do not allow laptops in lecture - *unless* you have a special waiver from the Office for Students with Disabilities.

8. POLICY ON TAKING AN INCOMPLETE:

Incompletes are only offered under very exceptional circumstances. I will only consider authorizing a grade of Incomplete if the student has completed nearly all (more than 75%) of the grade value assignments for the course and, in my assessment, has a reasonable chance of finishing the final missing assignment *and* getting a passing grade in the class. Even meeting these criteria does not mean I will authorize an Incomplete - not all requests can be accommodated and a student may alternatively have to consider withdrawing from the course.

9. DROP POLICY:

The last day to drop a class is March 31st, 2017, by 4 pm.

The Provost's Office states:

Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period (**through January 20th, 2017**). After the late registration period, students must see

their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://www.uta.edu/aao/fao/>).

10. TITLE IX POLICY:

As stated by the Provost's Office:

"The University of Texas at Arlington is committed to upholding U.S. Federal Law "Title IX" such that no member of the UT Arlington community shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. For more information, visit www.uta.edu/titleIX."

11. AMERICANS WITH DISABILITIES ACT POLICY:

Contact me early in the semester.

All tests taken in the ARC need to be scheduled well in advance.

Please inform me if you have a disability requiring special consideration for classes and exams, and provide me with the relevant paperwork during the first two weeks of class. If you need to take any tests or exams in the Office for Students with Disabilities (UH 102), please note that these must be scheduled with *both* the instructor and that office at least a week in advance. It is possible (and preferable) to set up this schedule near the beginning of the semester. The University's policy is as follows:

The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA)*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

12. STUDENT FEEDBACK SURVEY

Please fill out the feedback survey!!

The Provost adds: "At the end of each term, students enrolled in classes categorized as "lecture," "seminar," or "laboratory" shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student's feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>."

13. FINAL REVIEW WEEK POLICY

As stated by the Provost's Office:

A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the class syllabus*. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

14. EMERGENCY EXIT PROCEDURES:

Know your exit routes!

The nearest exits are just to the east of our room. To reach these, exit the room by either door, turn left, then turn either left or right, continue up the short set of steps, and through glass doors to the outside. Note that there are additional exits if this route is too crowded. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals.

15. NON-DISCRIMINATION POLICY:

The University of Texas at Arlington does not discriminate on the basis of race, color, national origin, religion, age, gender, sexual orientation, disabilities, genetic information, and/or veteran status in its educational programs or activities it operates. For more information, visit uta.edu/eos.

16. CAMPUS CARRY:

From the Provost: "Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. Under the new law, openly carrying handguns is not allowed on college campuses. For more information, visit <http://www.uta.edu/news/info/campus-carry/>"

COURSE SUPPORT SERVICES

(Get Help - Get a better grade!)

OFFICE HOURS

Come see me if you're having trouble with the class. If you can't come to my office hours, email me to make an appointment.

TUTORING

The IDEAS Center (2nd Floor of Central Library) offers free tutoring to all students with a focus on transfer students, sophomores, veterans and others undergoing a transition to UT Arlington. To schedule an appointment with a peer tutor or mentor email IDEAS@uta.edu or call (817) 272-6593.

WRITING SUPPORT:

Having trouble with that essay? **Get help!**

The Writing Center Offers free tutoring in 20-, 40-, or 60-minute face-to-face and online sessions to all UTA students on any phase of their UTA coursework. Our hours are 9 am to 8 pm Mon.-Thurs., 9 am-3 pm Fri. and Noon-6 pm Sat. and Sun. Register and make appointments online at <http://uta.mywconline.com>. Classroom Visits, workshops, and specialized services for graduate students are also available. Please see www.uta.edu/owl for detailed information on all our programs and services.



The Library's 2nd floor Academic Plaza offers students a central hub of support services, including IDEAS Center, University Advising Services, Transfer UTA and various college/school advising hours. Services are available during the library's hours of operation. <http://library.uta.edu/academic-plaza>

STUDENT SUPPORT SERVICES AVAILABLE:

UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to resources@uta.edu, or view the information at <http://www.uta.edu/universitycollege/resources/index.php>.

LIBRARY RESOURCES:

Library Home Page library.uta.edu

Resources for Students

Academic Plaza Consultation Services library.uta.edu/academic-plaza

Ask Us ask.uta.edu/

Library Tutorials library.uta.edu/how-to

Subject and Course Research Guides libguides.uta.edu

Subject Librarians library.uta.edu/subject-librarians

A to Z List of Library Databases libguides.uta.edu/az.php

Course Reserves pulse.uta.edu/vwebv/enterCourseReserve.do

FabLab fablab.uta.edu/

Special Collections library.uta.edu/special-collections

Study Room Reservations openroom.uta.edu/

WHAT TO DO AND WHEN TO DO IT

(Subject to revision)

Readings should be completed by the beginning of class on the date given in the schedule.

Readings other than those from Mays, Buikstra & Ubelaker, or Weiss will be provided via Blackboard.

Week 1:

January 17th: Introduction to Bioarchaeology

Readings: Buikstra 1977 (?)

January 19th: Human Osteology Part 1

Read: Mays chapter 1, Weiss chapter 1

Review Human Osteology guide as needed

Week 2:

January 24th: Human Osteology Part 2

Review Human Osteology guide as needed

January 26th:

Human Osteology Quiz - January 26th

Bioarchaeology Standards and Measurements

Reading: Buikstra & Ubelaker chapters 1, 2

Week 3:

January 31st: Determining age and sex from the bones and dentition

Mays chapter 3, Weiss chapter 2

February 2nd: **Age & Sex Lab 1**

Buikstra & Ubelaker chapters 3- 6

Week 4:

February 7th: **Age & Sex Lab 2**

February 9th: Final Age & Sex Lab - Osteobiography assessment

Week 5:

February 14th: Metric Variation in the Skull & Stature Estimation

Reading: Mays chapter 4 & 5

Buikstra & Ubelaker Chapter 7

Craniometric and Stature Lab 1

Age & Sex Lab Due - February 14th

February 16th: Non-Metric Variation and Biodistance

Reading: Mays chapter 6

Craniometric and Stature Lab 2

Reading: Buikstra & Ubelaker Chapter 8

Week 6:

February 21st: Final **Craniometric and Stature Lab** - Osteobiography Assessment

February 21st:
Annotated Research Bibliography Due
Plagiarism Tutorial Due

February 23rd: Introduction to Paleopathology

General Bone Health

Reading: Mays chapter 7, Weiss chapter 3

Week 7:

February 28th: Paleopathology of the spine and joints

Reading: Weiss chapters 5 & 6

Pathology Lab 1

Reading: Buikstra & Ubelaker Chapter 10

Craniometric and Stature Lab due - February 28th

March 2nd: Skeletal Pathology of Infectious Disease

Reading: Weiss chapter 8

Pathology Lab 2

Week 8:

March 7th: Skeletal Pathology of Cancer and Congenital Disorders

Weiss chapter chapter 9

Pathology lab 3

March 9th: Final pathology lab - osteobiography assessments

Week 9: -----SPRING BREAK-----

Week 10:

March 21st: Dental Health

Reading: Mays chapter 8, Weiss chapter 7

Dental Lab 1

Reading: Buikstra & Ubelaker chapters 5 & 6

Pathology Lab Due - March 21st

March 23rd: **Dental Lab 2**

Week 11: (Conference Week)

March 28th: Guest Lecture: Evolutionary Medicine, Dr. Shelley Smith

March 30th: TBA (I'll be out of town)

Dental Lab Due - March 30th

Week 12:

First Paper Draft Due - April 3rd

April 4th: Trauma and the skeleton
Reading: Mays chapter 9

Trauma Lab 1

April 6th: Childhood Injury
Reading: Weiss chapter 4

Trauma Lab 2

Week 13:

April 11th: Isotopic Analysis & DNA from archaeological contexts
Reading: Mays chapters 10 & 11

Trauma Lab Due - April 11th

April 13th: Space and Place of the Dead & Archaeological Contexts of Human Remains,
Cremated remains
(Introduction to Cemetery Project)
Silverman 2002
Reading: May chapter 12

Week 14:

April 18th: **Cemetery Project!** Day 1 (outdoors)
Readings: Charles & Buikstra 2002

Osteobiography Due - April 18th

April 20th: **Cemetery Project!** Day 2 (outdoors)

Week 15:

April 25th: Excavation and Curation of Human Remains

Mays chapter 2

Ethics, repatriation, and legal issues

Reading: Mays chapter 13

Cemetery Project Due - April 25th

April 27th: The Osteological Paradox -

Final thoughts on understanding health in past and the importance of bioarchaeology for understanding human health today.

Reading: See Blackboard

Week 16th:

May 2nd: **Student Presentations**

May 4th: **Student Presentations**

Final Paper Due - May 4th

May 11th (Tuesday): Final Exam --- 11 - 1:30 pm