

Human Skeletal Biology

ANTH 102A

Summer Session 1 2023

Social Sciences 1 Room 461

Tuesday and Thursday from 1:00-4:30 pm

Instructor: Emily A. Schach, Ph.D.

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Office: Social Sciences 1, 409

Office Hours: In person, Tuesday and Thursday from 11:00am to 12:00pm, or by appointment

Please do not hesitate to contact the instructor if you have any questions or concerns about the class.

Prerequisite: ANTH 1: Introduction to Biological Anthropology

Course Description

This course focuses on the study of human bones, bone biology, identification, and growth and development. In the living body, the human skeleton is a dynamic tissue, intimately related to all other body systems. In death, skeletal remains provide meaningful clues about the individual who died, the circumstances of their death and their lives and how death was perceived by the people who disposed of the remains. To access this information, one must be able to...

- Identify human bone from non-human bone
- Identify the element represented
- Determine the side of the body from which it came.

This course will provide the fundamentals of skeletal identification along with a foundation in bone biology. How this information can help us reconstruct past events will also be provided. This course is designed to teach a particular skill which can be used in archaeological or forensic settings. Classes combine both lecture and laboratory components. Skeletal material will be available for study.

Required Text

White, Tim D, and Pieter A Folkens

2005 *The Human Bone Manual*. Elsevier Academic Burlington, MA.

Lab Rules

This is a demanding upper division course, designed for those who wish to pursue careers in physical/biological anthropology or bioarchaeology. Students generally find it necessary to spend about 5-10 hours in the lab outside of class time. Students are responsible for showing respect for the skeletal material, keeping the lab clean and neat and ensuring that NO FOOD OR DRINKS contaminate the material.

Course Requirements:

The course grade will be based on 4 bone quizzes, and attendance and participation. Weekly work distribution includes approximately 7 hours for lecture and lab, 5-10 hours studying in the lab.

Quizzes*: There will be 4 closed book quizzes that will take place at the beginning of class. Questions will cover all previous course content and largely consist of identifying and siding skeletal elements at timed stations. Students will have 1.5 minutes per station to examine each skeletal element or fragment and answer the corresponding question.

* Spelling will be checked on all quizzes. More than 2 letter errors per answer will be marked down. Quizzes begin promptly at the beginning of class. Late students will not be allowed to complete the quiz.

Attendance: Students are expected to attend and participate in studying skeletal materials in class. Students can miss 2 classes without losing any attendance points.

Grade Assessment:

Attendance & Participation: 10%

Bone Quizzes: 90%

Evaluation Criteria:

The grading scale for the course is as follows:

97-100: A+

94-96: A

90-93: A-

87-89: B+

84-86: B

80-83: B-

77-79: C+

70-76: C

67-69: D+

66-69: D

60-63: D-

0 – 59: F

PASS/NOT PASS GRADES: All A, B, or C work earns “P,” but D work earns “NP.”

A passing grade is the equivalent of a “C” grade or better. Effective Fall 2015, grades of D+, and D- are available on the Grade Roster. Similar to a D grade, these new grades award credit to the degree, however, these grades do not satisfy general education, major requirements or prerequisites.

Course Policy:

Communication: I check my email during business hours Monday through Friday and will usually respond within 24 hours. It may take longer to receive a response on weekends and holidays. Please format your emails with a basic greeting, body, and salutations. Proper grammar is expected.

Late Policy: If you are late to class, you will not be allowed to take a quiz. If you are ill or unable to come to class, please email Dr. Schach ASAP.

Academic Misconduct: Students are responsible for making themselves aware of and understanding the policies and procedures of UCSC’s policy on Academic Misconduct https://www.ue.ucsc.edu/academic_misconduct. These policies include cheating, fabrication, falsification and forgery, multiple submission, plagiarism, complicity and computer misuse. If there is reason to believe you have been involved in academic dishonesty, you will be referred to your College Provost and receive a failing grade in the course.

DRC Accommodations

Any students requiring accommodations for the course should speak with the instructor during the first week of class. I am happy to help arrange exam times, note takers, and answer any other questions you might have. Students can visit the Disability Resource Center (DRC) at drc.ucsc.edu.

Class Schedule

Week	Date	Topic
1	26-Jun	Syllabus and Introduction to Human Skeletal Biology, Skull (1)
	29-Jun	Skull (2)
2	4-Jul	NO CLASS (INDEPENDENCE DAY)
	6-Jul	Quiz 1; Post-cranial Axial Skeleton (1)
3	11-Jul	Post-cranial Axial Skeleton (2)
	13-Jul	Quiz 2; Upper Limb (1)
4	18-Jul	Upper Limb (2)
	20-Jul	Quiz 3; Lower Limb (1)
5	25-Jul	Lower Limb (2)
	27-Jul	Quiz 4

This syllabus is subject to further change or revision, as needed, to best realize the educational goals of the course. Necessary revisions will be announced in class or on course materials with fair prior notice.