

**Department of Anthropology**  
**ANTHRO 4428F-001: Human Skeletal Biology**  
**BRIEF COURSE OUTLINE**  
**Fall 2026**

*Date: June 17, 2026*

**Instructor and course information:**

Instructor: Dr. Andrea Waters-Rist

Method of delivery: in person

Credit value: 0.5

Antirequisites: Anthropology 3338F/G

Prerequisites: Anthropology 2226A/B

Please ensure you have the correct requisites by checking [the Academic Calendar](#).

**Course Description:**

This course involves the in-depth study of human skeletal and dental remains. Human skeletal biology, or osteology, is essential for research in biological or forensic anthropology. This course will cover several topics including bone and tooth biology and histology, skeletal and dental growth and development, metrics and non-metric traits, estimation of core osteobiographical characteristics such as age-at-death, sex, and stature, data collection techniques and written reporting, taphonomy, and paleopathology, and ethical considerations. At the completion of this course students will be expected to have mastered techniques for conducting, interpreting, and reporting upon human osteological analyses.

A full course schedule including a week-by-week breakdown of topics and assigned readings will be available on the course's OWL Brightspace site before the first day of class.

**Course Materials:**

The following textbook is required: The Human Bone Manual, by TD White and PA Folkens. 2005. Academic Press. The textbook will be available in the bookstore. The price is yet to be determined but will likely be between \$65- \$70. You are welcome to buy a used/second-hand edition of the book.

Other required readings will be posted on the course site and accessible by the first day of class

**Evaluation:**

Grades will be based on the following:

Lab #1	7.5%
Bone Bell-Ringer 1	20%
Bone Bell-Ringer 2	20%
Lab #2	10%
Lab #3	7.5%
Lab #4	10%
Final Exam	25%

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