HUMAN OSTEOLOGY

ANTH/ARCG/E&EB S464 SUMMER 2019

COURSE DESCRIPTION

In this course we will examine the characteristics of the human skeleton and its use in studies of functional morphology, paleodemography, and paleopathology. Labs will familiarize students with the identification of human bones and bony landmarks, while lectures will focus on more general aspects of bone biology, as well as techniques for aging and sexing skeletal material.

COURSE ORGANIZATION

Lectures and labs will be in room 10 of 10 Sachem Street on Tuesdays and Thursdays from 1-4:15pm. **Labs will be in a flipped classroom format, so lab content must be studied before the corresponding lab exercises**, which will include handling human skeletal specimens.

COURSE INSTRUCTORS

Professor: Eric Sargis
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E-mail: Eric.Sargis@yale.edu
Office: 10 Sachem Street, Room 208
Office Hours: by appointment

COURSE REQUIREMENTS

4 quizzes (50 points each): 200 points total

TEXTBOOK

*Human Osteology*, 3rd ed. by Tim D. White

This book should be available at the bookstore. Other acceptable osteology texts include:

*The Anatomy and Biology of the Human Skeleton* by D. Steele, C. Bramblett

*Human Osteology* by W. Bass

*The Human Skeleton* by P. Shipman, A. Walker, and D. Bichell

*An Introduction to Human Evolutionary Anatomy* by L. Aiello, C. Dean
The grading scale below represents the percentage of total points from the four quizzes.

**Grading Scale:**

- **A:** 93-100
- **A-:** 90-92
- **B+:** 87-89
- **B:** 83-86
- **B-:** 80-82
- **C+:** 77-79
- **C:** 73-76
- **C-:** 70-72
- **D+:** 67-69
- **D:** 63-66
- **D-:** 60-62
- **F:** 59 and below

**SCHEDULE**

**Week of:** **Topics and Text Readings:**

**July 2**  
Introduction: Anatomical Terminology. Skull. Chapters 1, 2, and 4

**July 9**  
Skull (con.). Sex Determination, Estimating Ancestry. **Quiz 1 (July 11).** Chapters 4 and 18

**July 16**  
Dentition, Estimating Age. Axial Skeleton. **Quiz 2 (July 18).** Chapters 5-7, 18

**July 23**  
Upper Limb, Estimating Age. **Quiz 3 (July 25).** Chapters 8-10, 18

**July 30**  
Lower Limb. Sex Determination, Estimating Age. **Quiz 4 (August 1).** Chapters 11-13, 18