

HUMAN OSTEOLOGY

ANTHROPOLOGY S464

SUMMER 2018

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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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 3	Introduction: Anatomical Terminology. Skull. <u>Chapters 1, 2, and 4</u>
July 10	Skull (con.). Sex Determination, Estimating Ancestry. Quiz 1 (July 12). <u>Chapters 4 and 18</u>
July 17	Dentition, Estimating Age. Axial Skeleton. Quiz 2 (July 19). <u>Chapters 5-7, 18</u>
July 24	Upper Limb. Quiz 3 (July 26). <u>Chapters 8-10</u>
July 31	Lower Limb. Sex Determination, Estimating Age. Quiz 4 (August 2). <u>Chapters 11-13, 18</u>