

# HUMAN OSTEOLOGY

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ANTHROPOLOGY S464

SUMMER 2017

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## 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  
Phone: 432-6140  
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*, 3<sup>rd</sup> 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 4	Introduction: Anatomical Terminology. Skull. <u>Chapters 1, 2, and 4</u>
July 11	Skull (continued). Sex Determination, Estimations. <b>Quiz 1 (July 13).</b> <u>Chapters 4 and 18</u>
July 18	Dentition. Axial Skeleton. <b>Quiz 2 (July 20).</b> <u>Chapters 5-7</u>
July 25	Upper Limb. <b>Quiz 3 (July 27).</b> <u>Chapters 8-10</u>
August 1	Lower Limb. Sex Determination, Estimations. <b>Quiz 4 (August 3).</b> <u>Chapters 11-13, 18</u>