COURSE DESCRIPTION

In this course we examine the characteristics of the human skeleton and its use in studies of functional anatomy. Labs will familiarize students with the identification of human bones and bony landmarks, while lectures will focus on general aspects of bone biology, soft tissue features (muscles, nerves, and vessels) associated with bones, and techniques for assessing the age and sex of skeletal material.

COURSE ORGANIZATION

Online lectures and labs will be on Tuesdays and Thursdays from 1-4:15pm. Lab content will mostly be drawn from the following two web sites:


http://eskeletons.org/

COURSE INSTRUCTORS

Professor: Eric Sargis
E-mail: eric.sargis@yale.edu
Office Hours: by appointment

Teaching Fellow(s): TBD

COURSE REQUIREMENTS

4 online labs (25 points each): 100 points
4 online quizzes (50 points each): 200 points
Total: 300 points

TEXTBOOK

Human Osteology, 3rd ed. by White, Black, & Folkens. This book is available online:

https://www.amazon.com/Human-Osteology-Tim-D-White-ebook-dp-B004MPRDUY/dp/B004MPRDUY/

https://www.elsevier.com/books/human-osteology/white/978-0-08-092085-6
GRADING SCALE

The grading scale below represents the percentage of total points from the four quizzes and labs. There is no additional extra credit.

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

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPICS and TEXTBOOK READINGS</th>
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<tbody>
<tr>
<td>July 13</td>
<td>Lecture: introduction, anatomical terminology, bone biology. Chapters 1-3</td>
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<tr>
<td>July 15</td>
<td>Lecture: bone biology, skull. Chapters 3 &amp; 4</td>
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<td>July 27</td>
<td>Lecture: dentition—estimating age, axial skeleton. Chapters 5-7, 11 (pp. 219-226), 18 (pp. 385-389)</td>
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<td>July 29</td>
<td>Lab: dentition—estimating age, axial skeleton. Quiz 2.</td>
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<tr>
<td>Aug. 3</td>
<td>Lecture: upper limb, estimating age. Chapters 8-10, 18 (pp. 391-394)</td>
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<td>Aug. 5</td>
<td>Lab: upper limb, estimating age. Quiz 3.</td>
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<tr>
<td>Aug. 10</td>
<td>Lecture: lower limb, assessing age and sex*. Chapters 11-13, 18 (pp. 394-400, 408*, 415-419)</td>
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*p. 408 covers sex versus gender in human osteology and archaeology.