

SYLLABUS
Human Skeletal Biology (ANTH102A)
Anthropology Department, UC Santa Cruz
Summer 2016

Lecture days/hours: TTH 3:30-7:00

Lecture location: Soc Sci 1, Room 461

Instructor: Jay S. Reti, Ph.D.
Contact: jreti@ucsc.edu
Office: SS1 Room 404
Office Hours: By appointment or during class study time

COURSE DESCRIPTION:

This course introduces students to the study of human osteology, which provides the foundation for forensic anthropology, paleoanthropology, and bioarchaeology. Researchers working within these anthropological subfields focus on a variety of topics to investigate human behavior and adaptation, population history, and forensic identification. The primary goal of this course is to learn to identify skeletal material by element, by fragmentary evidence, and to know the important anatomical landmarks for each skeletal element. While the course does not include any writing assignments or in-depth reading, it does require full class participation and several lab hours outside class to study the osteological teaching collections. Study of the comparative osteological collections and thorough review of the assigned chapters will help you learn human skeletal anatomy and succeed in this course.

COURSE OBJECTIVES:

- Understand the biology of human bone
- Know the anatomy of each bone in the human body
- Demonstrate knowledge of the key anatomical landmarks on each human bone
- Know the human dental formula and morphology for all teeth
- Identify bone from fragmentary evidence based on knowledge of osteological landmarks

REQUIRED TEXT:

White, Black, and Folkens. (2011). Human Osteology (3rd Edition). Academic Press.

ATTENDANCE POLICY:

Students are expected to attend all classes. If students must miss class, they are required to inform me prior to the day of class, in writing, and provide documented reasons for their absence. If students must miss class, they are responsible for studying the missed material through extra hours in the lab and comparative bookwork. All quizzes and exams are cumulative, so missing one three hour class may compound a student's difficulty with course material.

COURSE REQUIREMENTS:

Your grade will be determined via three components:

1. Quizzes: 8 quizzes (lowest score dropped): 50% of grade
2. Final Exam: 25% of grade
3. Comprehensive osteology notebook: 25% of grade (DUE JULY 19, BEGINNING OF CLASS)
4. A (92.5+), A- (90-92.4), B+(87.5-89.9), B (82.5-87.4), B- (80-82.4), C+ (77.5-79.9), C (70-77.4), C- (67.5-69.9), D (60-67.4), F (less than 60)

SCHOLARSHIP AND CLASS ETIQUETTE:

All cases of suspected of cheating will be reported to the academic deans. **Please turn off cell phones while in class and respect the learning environment for other students, including only taking notes on open laptops.**

Schedule:

Date	Topic and Readings
June 21	Intro: Bones, Planes, Skull basics, Osteometric Markers - Reading: Chapter 1, Chapter 2, part of Chapter 4 (p. 43-59)
June 23	The Human Skull - Reading: Chapter 4 (all) - Quiz 1
June 28	Dentition - Reading: Chapter 5 - Quiz 2
June 30	Vertebrae, Hyoid, Sternum and Ribs - Reading: Chapter 6-7 - Quiz 3
July 5	Shoulder Girdle, Humerus, Radius, Ulna - Reading: Chapter 8-9 - Quiz 4
July 7	Carpals, Metacarpals, Phalanges - Reading: Chapter 10 - Quiz 5
July 12	Sacrum, Coccyx, Os Coxae, juvenile morphology - Reading: Chapter 11 - Quiz 6
July 14	Femur, Tibia, Fibula, Patella - Reading: Chapter 12 - Quiz 7
July 19	Tarsals, Metatarsals, Phalanges - Reading: Chapter 13 - Quiz 8 - Final Review Session
July 21	Final Exam