

COURSE SYLLABUS
ANTHROPOLOGY 530: HUMAN OSTEOLOGY PRACTICUM

Semester: Fall 2019

Section: 1 (MWF 2:00 - 3:40, FA 538)

Instructor: Mark C. Griffin

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Office Hours: M, F 12-2 ([Make an Appointment](#))

DESCRIPTION:

This course is an examination of the human skeleton from archaeological, descriptive, and morphometric perspectives. Demographic analysis, normal and abnormal variation, and evaluation of the human skeleton in medicolegal and archaeological contexts is emphasized. Each bone will be examined with a review of normal and abnormal variations. The uses of anthropometric instruments will be demonstrated as well as the methods for estimating age-at-death, sex, ancestry, and population dynamics.

COURSE REQUIREMENTS:

There are fifteen weekly quizzes (40%), a final cumulative lab practical (10%), and a series of 7 technical reports due over the course of the semester (50%).

Textbooks:

White, Tim D. and Pieter A. Folkens. 2012. *Human Osteology, Third Edition*. San Diego: Academic Press.

The required laboratory manual is available at FedEx Office - 1597 Sloat Blvd. (Lakeshore Plaza). Call ahead to have your copy ready (415-566-0572).

Attendance Policy:

Be here. You must come to class if you plan to pass the course.

QUIZ AND ASSIGNMENT POLICIES:

Quizzes are administered each Friday at the beginning of class. Each quiz will consist of bone identification, identification of diagnostic features on human bones, and description of bone physiology where appropriate. The quizzes (with the exception of the first week's quiz) will cover material discussed during the previous week. The final exam will consist of a cumulative bone identification quiz.

If you arrive more than five minutes late for a quiz or the final exam, you will receive a zero for the quiz or exam. There are no makeup examinations or quizzes. Students who do not complete all of the technical reports or the final exam or who miss more than one weekly quiz will receive a "WU" for the course. For purposes of grade point average and progress point computation, this grade is equivalent to an F.

Students are responsible for integrating the material from both lecture and assigned readings. Written assignments are due at the beginning of class on the stated due dates. Late assignments will not be accepted.

SCHEDULE:

TOPIC	READING
Lecture: Introduction to Osteology	White 1-3
Laboratory: Anatomical Terminology	Griffin 1-2
Lecture: Bone Biology	White 4
Laboratory: Cranium	Griffin 3-5
Lecture and Laboratory: Cranial Metric Variation	White 15 Griffin 6
Lecture and Laboratory: Age, Sex, and Race: Cranium	White pp. 338-346 362-364 Griffin 7-9
Lecture: Dental Biology	White 5
Laboratory: Dentition	Griffin 10-11
Lecture: Osseous Articulations	White 6-7
Laboratory: Axial Skeleton	Griffin 13
Lecture and Laboratory: Pectoral Girdle, Upper Extremity	White 8-10 Griffin 14
Lecture and Laboratory: Pelvic Girdle, Lower Extremity	White 11-13 Griffin 15
Lecture and Laboratory: Postcranial Age, Sex, and Race	White pp. 347-378 Griffin 16-18

FINAL EXAM – Wednesday 18 December 2019 @ 1:00

BIBLIOGRAPHY

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Student Learning Outcomes

By the end of the course students will be able to:

- distinguish human bone from nonhuman bone and identify specific skeletal elements from fragmentary material
- explain the biological mechanisms of creating age, sex, and population variation in skeletal morphology
- apply the concepts of demographic analysis and normal versus abnormal variation to critically analyze research studies of human skeletal variation
- evaluate demographic data in regard to determination and interpretation of skeletal sex, age, and population affiliation
- discuss examples of the interacting effects of culture, environment, and biology on skeletal morphology

Disability Statement Policy

'Students with disabilities who need reasonable accommodations are encouraged to contact the instructor. The Disability Programs and Resource Center (DPRC) is available to facilitate the reasonable accommodations process. The DPRC is located in the Student Service Building and can be reached by telephone (voice/TTY 415-338-2472) or by email (dprc@sfsu.edu)."

University Withdrawal Policy

The Withdrawal deadline occurs two weeks after the semester starts. After this deadline, students must petition for a Withdrawal, or receive a non-passing grade for a class if they do not complete the requirements of the course. Withdrawals are permitted only for serious and/ or compelling reasons. In the last three weeks of the semester, students must be able to document the reason for their withdrawal.

SF State fosters a campus free of sexual violence including sexual harassment, domestic violence, dating violence, stalking, and/or any form of sex or gender discrimination. If you disclose a personal experience as an SF State student, the course instructor is required to notify the Dean of Students. To disclose any such violence confidentially, contact: The SAFE Place - (415) 338-2208; http://www.sfsu.edu/~safe_plc/ Counseling and Psychological Services Center - (415) 338-2208; <http://psyservs.sfsu.edu/> For more information on your rights and available resources: <http://titleix.sfsu.edu>