

COURSE SYLLABUS
ANTHROPOLOGY 530/730: HUMAN OSTEOLOGY PRACTICUM

Semester: Fall 2009

Section: 1 (MWF 1:10 - 3:00, SCI 273)

Instructor: Mark C. Griffin

Office: 395 Science

Phone: 338-7519

E-mail: mgriffin@sfsu.edu

Web Page: <http://online.sfsu.edu/~mgriffin/index.htm>

Office Hours: MWF 12:00-1:00 or by appt.

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. The ANTH 730 course will give graduate students the opportunity to refresh their anatomical knowledge and refine their analytical techniques.

COURSE REQUIREMENTS:

ANTH 530: There will be ten quizzes (30%), a final cumulative exam (30%), and a series of 6 technical reports due over the course of the semester (40%).

ANTH 730: There will be ten quizzes (40%) and a series of 6 technical reports due over the course of the semester (20%). In addition, students enrolled in ANTH 730 will prepare a 50-70 page professional quality osteological report based on the set of skeletal remains assigned to you for the semester. This final project will provide the final 40% of your grade.

TEXTBOOKS:

White, Tim D. and Pieter A. Folkens. 2000. *Human Osteology, Second Edition*. San Diego: Academic Press.

The required laboratory manual is available at PhotoDay - 3418 Geary Blvd. (across from the Coronet Theater and Mel's Diner).

ATTENDANCE POLICY:

BE HERE. YOU MUST COME TO CLASS IF YOU PLAN TO PASS THE COURSE.

EXAMS AND EXAM POLICY:

Quizzes will be administered each Monday 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 will cover material discussed during the previous week. The final exam for ANTH 530 will consist of two parts: (1) a cumulative bone identification quiz and (2) a final take-home essay covering all of the course material. For ANTH 730 the final project will consist of the preparation of a professional osteological report which will be due the last day of exams.

You will be held responsible for all information presented in all media (i.e., films, video tapes, slides, etc.). You are also responsible for all information conveyed in lectures and assigned readings. There are no makeup examinations or quizzes. **All quizzes, all of the technical reports, the final exam, and the final project are required in order to pass the course.**

SCHEDULE:

TOPIC	READING
Lecture: Introduction to Osteology Laboratory: Anatomical Terminology	White 1-3 Griffin 1-2
Lecture: Bone Biology Laboratory: Cranium	White 4 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 Laboratory: Dentition	White 5 Griffin 10-11
Lecture and Laboratory: Cranial and Dental Nonmetric Variation	White 20 Griffin 12
Lecture: Osseous Articulations Laboratory: Axial Skeleton	White 6-7 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
Lecture and Laboratory: Postcranial Metric Variation	White 15 Griffin 20
Lecture and Laboratory: Postcranial Nonmetric Variation	White 20 Griffin 19

PROJECTS DUE AND FINAL EXAM -- Friday 18 December 2008 @ 11:00

Reduced funding from the California legislature and governor has necessitated a furlough program (time and pay cut) for all San Francisco State University employees. As a result, all employees are required to restrict their work hours for the fiscal year 2009/2010.

Due to these work restrictions the university is closed (and there will be no classes) on the following days:

Friday September 4 – Tuesday September 8
Friday October 23 – Monday October 26

Due to the same furlough program, I am required to reduce my workload by taking additional days off. The following class days are therefore canceled for this class (please check with your other instructors as to their furlough schedule):

Wednesday September 2
Monday November 9 – Friday November 13
Friday December 4
Friday December 11

RECOMMENDED READING

- BASS, WILLIAM M. 1995. *Human Osteology: A Laboratory and Field Manual, Fourth Edition*. Columbia, Missouri: Missouri Archaeological Society.
- BENNETT, KENNETH A. 1993. *A Field Guide for Human Skeletal Identification. 2nd edition*. Springfield, Illinois: Charles C. Thomas.
- BRAY, TAMARA L. AND THOMAS W. KILLION (EDS.). 1994. *Reckoning with the Dead: The Larsen Bay Repatriation and the Smithsonian Institution*. Washington: Smithsonian Institution Press.
- BROTHWELL, D.R. 1981. *Digging Up Bones*. Ithaca, New York: Cornell University Press.
- BUIKSTRA, JANE E. AND DOUGLAS H. UBELAKER (EDS.). 1994. *Standards for Data Collection from Human Skeletal Remains*. Proceedings of a Seminar at The Field Museum of Natural History. Arkansas Archaeological Survey Research Series No. 44. Fayetteville, Arkansas: Arkansas Archaeological Survey.
- EL-NAJJAR, MAHMOUD Y. AND K. RICHARD MCWILLIAMS. 1978. *Forensic Anthropology: The Structure, Morphology, and Variation of Human Bone and Dentition*. Springfield, Illinois: Charles C. Thomas.
- GRAY, HENRY. 1973. *Anatomy of the Human Body*. Charles Mayo Goss (ed.) 29th edition, Philadelphia: Lea and Febiger.
- HARRINGTON, JUDITH M. AND ROBERT L. BLAKELY. 1995. "Bones in the basement: Bioarchaeology of historic remains in nonmortuary contexts," in *Bodies of Evidence: Reconstructing History Through Skeletal Analysis*. Edited by Anne L. Grauer, pp. 105-119. New York: Wiley-Liss.
- HICKS, ROBERT D. 1997. Time crime: Protecting the past for future generations. *FBI Law Enforcement Bulletin* 66(7):1-7.
- İŞCAN, MEHMET YAŞAR (ED). 1989. *Age Markers in the Human Skeleton*. Springfield, Illinois: Charles C. Thomas.
- İŞCAN, MEHMET YAŞAR AND RICHARD P. HELMER. 1993. *Forensic Analysis of the Skull*. New York: Wiley-Liss.
- İŞCAN, MEHMET YAŞAR AND KENNETH A. R. KENNEDY (eds.). 1989. *Reconstruction of Life from the Skeleton*. New York: Wiley-Liss.
- KROGMAN, WILTON MARION AND MEHMET YAŞAR İŞCAN. 1986. *The Human Skeleton in Forensic Medicine*. Springfield, Illinois: Charles C. Thomas.
- MERBS, CHARLES F. 1992. A new world of infectious disease. *Yearbook of Physical Anthropology* 35:3-42.
- ORTNER, DONALD J. AND WALTER G.J. PUTSCHAR. 1985. *Identification of Pathological Conditions in Human Skeletal Remains*. Smithsonian Contributions to Anthropology, Number 28. Washington: Smithsonian Institution Press.
- REICHS, KATHLEEN J. (ED.). 1998. *Forensic Osteology: Advances in the Identification of Human Remains, Second Edition*. Springfield, Illinois: Charles C. Thomas, Ltd.
- UBELAKER, DH AND LG GRANT. 1989. Human skeletal remains: Preservation or reburial? *Yearbook of Physical Anthropology* 32:249-287.
- WOOD, JAMES W., GEORGE R. MILNER, HENRY C. HARPENDING, AND KENNETH M. WEISS. 1992. The osteological paradox: Problems of inferring prehistoric health from skeletal samples. *Current Anthropology* 33(4):343-370.