

San José State University
Anthropology
ANTH157, Introduction to Forensic Anthropology,
Section 01, Spring, 2014

Instructor:	Lorna C. Pierce, PhD
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Office Hours:	Wednesday 1400-1500 or by appointment
Class Days/Time:	Wednesday 1500-1745
Classroom:	Washington Square Hall 4

Course Description

This introduction to the recovery and interpretation of human skeletal remains within the context of scientific death investigation will emphasize the multidisciplinary approach which draws upon the fields of physical anthropology, forensic pathology, archaeology, forensic odontology, criminalistics, and other forensic disciplines. An introductory laboratory class in human osteology will include the recognition of human vs. non-human material, the assessment of age, sex, race, and the recognition of gross trauma and pathological lesions. This segment will be interdigitated with the lecture sessions.

A visit to the Santa Clara County Medical Examiner's Office may be arranged.

Course Goals

1. A basic understanding of human osteology and its use in forensic anthropology
2. An understanding of how anthropology fits into the forensic sciences
3. Development of a questioning nature when reading scientific or purported scientific material.

Course Content Learning Outcomes

Upon successful completion of the course, students will be able to:

1. Explain the medicolegal context into which forensic anthropology falls
2. Describe the different disciplines involved in death investigation, such as the fields of physical anthropology, forensic pathology, archaeology, forensic odontology, criminalistics and other forensic disciplines
3. Identify and side all major bones of the body
4. Provide a simple biological profile from complete skeletal remains

Required Text and Readings

Text:

Bass, W. M., Human Osteology; A Laboratory and Field Manual, 5th Edition. Missouri Archaeological Society, Columbia, 2005.

Other required readings are listed in the weekly schedule.

PURELY FOR PLEASURE

Bass, B., and Jefferson, J., Death's Acre. G. P. Putnam's Sons, New York, 2003.
Elkins, Aaron, Unnatural Selection. Berkely Prime Crime, New York, 2006.
Evans, C., The Casebook of Forensic Detection. John Wiley, New York, 1996.
Goff, M. L., A Fly for the Prosecution. Harvard Press, Cambridge, 2000.
Houts, M., Where Death Delights. Coward-McCann, New York, 1967.
Iserson, K., Death to Dust: What Happens to Dead Bodies? Galen Press, Tucson, 1994.
Joyce, C. and Stover, E., Witnesses From the Grave. Little, Brown, and Co. Boston, 1991.
Manhein, M., The Bone Lady. Louisiana State University Press, Baton Rouge, 1999.
Maples, W. and Browning, M., Dead Men Do Tell Tales. Doubleday, New York, 1994.
Rhine, S., Bone Voyage. New Mexico Press, Albuquerque, 1998.
Roach, Mary, Stiff. W. W. Norton & Company. New York, 2003.
Sachs, Jessica, Corpse. Perseus Publishing, Cambridge, 2001.
Ubelaker, D. and Scammell, H., Bones. Harper-Collins, New York, 1992.

There are several DVDs available which may assist you in the identification of skeletal material. The Anatomical Chart web site <http://www.anatomical.com> lists some of these materials. There are also apps available.

Other equipment / material requirements

A research paper is required in this class. The topic may be any aspect of forensic anthropology or a related subject; it may be a brief history of a technique, a biography and professional lineage of a pioneer in the field, or an exploration into a topic of current interest. Please discuss the topic with me ahead of time. This assignment may be presented as an oral presentation (approximately 10 minutes) or as a 5 to 10 page printed paper. If you choose to write a paper, it **must utilize** the format explained in Journal of Forensic Sciences. A minimum of ten different citations from such professional journals as Journal of Forensic Sciences, American Journal of Physical Anthropology, etc., shall be used. Material from comparable professional texts such as Morse *et al*, Ubelaker (1984, 1989) may be used. Do not use Wikipedia. Late papers are subject to severe grade reductions. Plagiarism or the utilization of papers from Internet providers will result in an F in the class.

Classroom Protocol

Neither attendance nor class participation during lecture periods will be used as a criterion for grading. Historically, class participation during the laboratory portions has had a direct correlation with grades on the osteology quizzes.

If you miss a quiz or a required laboratory exercise due to illness or a family emergency, please see the instructor.

Thanks to the Forensic Science Program, the Journal of Forensic Sciences is available on the computer in the laboratory.

Due to the sensitive nature of some of the material presented in this course, **no photography** will be allowed; this includes the use of camera phones, etc. during the class. **No recording of any kind is allowed.** Human skeletal material will be used in this course; respect for these materials will be maintained at all times. Unprofessional handling of the specimens will result in disciplinary action.

Be Polite. All phones must be turned off.

Assignments and Grading Policy

Grading:

Laboratory Exercises:	10%
Laboratory Exam	10%
Osteology quizzes:	20%
Research paper:	20%
Midterm exam:	20%
Final exam:	20%

90 and above	A
80-89	B
70-79	C
60-69	D
59 and below	F

The following schedule is only a guideline and may be changed depending on the availability of the guest speakers.

Additional reading assignments may be given.

ANTH 157 / Introduction to Forensic Anthropology, Spring 2014, Wednesday 1500-1745

Table 1 Course Schedule

Week	Date	Topics, Readings, Assignments, Deadlines
Week 1	1/22	Introduction to Forensic Anthropology: Dead Men Do Talk
Week 2	1/29	History of Forensic Anthropology Bass: 307-316, 327-336.
Week 3	2/5	Role of Medical Examiner/Coroner, Basic Human Osteology Bass: 1-33, 192-213, 218-257.
Week 4	2/12	Quiz 1, PMI Bass: 34-63, 83-92, 99-144.
Week 5	2/19	Crime Lab Procedures. Guest Speaker: Jeremiah Garrido Santa Clara County Crime Laboratory
Week 6	2/26	Research Methods in the Forensic Sciences This class session will meet in the MLK Library Room 213
Week 7	3/5	Midterm Exam, Lab Exercise 1
Week 8	3/12	Quiz 2, Forensic Evidence Dogs: Guest Speaker: Adela Morris, Institute for Canine Forensics
Week 9	3/19	Forensic Entomology, Web of Clues Bass: 145-153, 159-164, 166-172. Haglund, W. <i>et al.</i> , "Canid Scavenging/Disarticulation Sequence of Human Remains in the Pacific Northwest", <u>Journal of Forensic Sciences</u> , Vol. 34, No. 3, November 1989, pp. 587-606. Sach, J. S., "A Maggot for the Prosecution", <u>Discover</u> , November 1998, 103-108.
Week 10	3/26	Spring Break
Week 11	4/2	Search and Recovery of Buried Bodies Webster, A. D., "Excavation of a Vietnam-Era Aircraft Crash Site: Use of Cross-Cultural Understanding and Dual Forensic Recovery Methods", <u>Journal of Forensic Sciences</u> , Vol. 43, 1999, No. 2: 277-283. Facial Reconstruction

Week	Date	Topics, Readings, Assignments, Deadlines
Week 12	4/9	Forensic Odontology: Guest Speaker: Dr. Leon Pappanastos Bass: 271-274, 288-305
Week 13	4/16	Creatures in Crime, Lab exercise 2 Owsley, D. W., "Identification of the Fragmentary, Burned Remains of Two U. S. Journalists Seven Years After Their Disappearance in Guatemala", <u>Journal of Forensic Sciences</u> , Vol. 38, No. 6, November 1993, pp. 1372-1382. Stover, E., "The Grave at Vukovar", <u>Smithsonian</u> , Vol. 27, No. 4, March 1997, pp. 40-51.
Week 14	4/23	Oral Reports Research Paper Due
Week 15	4/30	Quiz 3, Trauma and Pathological Lesions
Week 16	5/7	Review for Final Exam, Laboratory Exam
Final Exam	5/20	1215-1430 Final Exam. The final exam will cover all topics discussed or assigned during the quarter. The exam will be in the lab, room 2.

Departmental Goals

Learn about the goals of the anthropology department and how it can benefit your education.

Goals <http://www.sjsu.edu/anthropology/departmentinfo/goals/index.html>

Credit Hours

Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of forty-five hours over the length of the course (normally 3 hours per unit per week with 1 of the hours used for lecture) for instruction or preparation/studying or course related activities including but not limited to internships, labs, clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.

University Policies

Here are some of the basic university policies that students must follow.

Dropping and Adding

Find the procedures and deadlines for adding and dropping classes.

[Catalog Policies](http://info.sjsu.edu/static/catalog/policies.html) <http://info.sjsu.edu/static/catalog/policies.html>.

[Add/drop deadlines](http://www.sjsu.edu/provost/services/academic_calendars/) http://www.sjsu.edu/provost/services/academic_calendars/

[Late Drop Policy](http://www.sjsu.edu/aars/policies/latedrops/policy/) <http://www.sjsu.edu/aars/policies/latedrops/policy/>

Consent for Recording of Class and Public Sharing of Instructor Material

All students must obtain the instructor's permission if they wish to record lectures or distribute materials from the class.

[University Policy S12-7](http://www.sjsu.edu/senate/docs/S12-7.pdf) <http://www.sjsu.edu/senate/docs/S12-7.pdf>

Academic integrity

Learn about the importance of academic honesty and the consequences if it is violated.

[University Academic Integrity Policy S07-2](http://www.sjsu.edu/senate/docs/S07-2.pdf) <http://www.sjsu.edu/senate/docs/S07-2.pdf>

[Student Conduct and Ethical Development website](http://www.sjsu.edu/studentconduct/) <http://www.sjsu.edu/studentconduct/>

Campus Policy in Compliance with the American Disabilities Act

Here are guidelines to request any course adaptations or accommodations you might need.

[Presidential Directive 97-03](http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf) http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf

[Accessible Education Center](http://www.sjsu.edu/aec) <http://www.sjsu.edu/aec>

Resources

The university provides resources that can help you succeed academically. Just look here.

[Academic Success Center](http://www.sjsu.edu/at/asc/) <http://www.sjsu.edu/at/asc/>

[Peer Connections website](http://peerconnections.sjsu.edu) <http://peerconnections.sjsu.edu>

[Writing Center website](http://www.sjsu.edu/writingcenter) <http://www.sjsu.edu/writingcenter>

[Counseling Services website](http://www.sjsu.edu/counseling) <http://www.sjsu.edu/counseling>