

San José State University
Social Sciences/Anthropology
ANTH156, Bioarchaeology, Section 1, Fall 2012

Instructor:	Dr. Elizabeth Weiss
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Office Hours:	TuTh 1030 – 1145; 1500 - 1615
Class Days/Time:	TuTh 1330 – 1445
Classroom:	WSQ004

Faculty Web Page and MYSJSU Messaging

Copies of the course materials such as the syllabus, major assignment handouts, etc. may be found on my faculty web page at <http://www.sjsu.edu/people/Elizabeth.Weiss>

Course Description

Bioarchaeology is the study of human skeletal remains from archaeological sites to aid in reconstructing the biology and culture of past populations. This course is an overview of bioarchaeological theory, methods, and applications with an emphasis the most common methods and their complications. This class will focus on current theoretical and methodological issues in bioarchaeology. There will be an emphasis on the potential of skeletal analyses for the uncovering disease and trauma, subsistence patterns as well as biological relatedness, physical activity and the diverse reactions to stressors. Hands-on labs will be integrated into the regular class sessions.

Course Goals and Student Learning Objectives

Anth 156 has several specific learning objectives. By the completion of this course, students should be able to:

- Think critically about issues regarding skeletal material in the archaeological record;
- Recognize a testable hypothesis;
- Recognize the difficulties in reconstructing past lifestyles;
- Understanding methodologies used in interpreting skeletal remains;
- Understand complexities of separating causes and correlations;

- Understand the biology and culture of human diversity as seen in skeletal materials.

Required Texts/Readings

The Archaeology of Human Bones 2nd edition. 2010. Routledge. Simon Mays. ISBN-10: **0415480914** | ISBN-13: **978-0415480918**

Old Bones: A Brief Introduction to Bioarchaeology. 2012. Elizabeth Weiss. Sold on Amazon.com for 2.99 as a Kindle ebook; you do not need a Kindle to download the book.

Classroom Protocol: Please respect your neighbors & refrain from newspaper reading; using electronics; utilizing computers for anything other than taking notes. Any behavior deemed disruptive to the instructor or other students may result in being asked to leave the classroom or being referred to the Judicial Affairs Officer of the University.

Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester's [Catalog Policies](http://info.sjsu.edu/static/catalog/policies.html) section at <http://info.sjsu.edu/static/catalog/policies.html>. Add/drop deadlines can be found on the [current academic calendar](http://www.sjsu.edu/academic_programs/calendars/academic_calendar/) web page located at http://www.sjsu.edu/academic_programs/calendars/academic_calendar/. The [Late Drop Policy](http://www.sjsu.edu/aars/policies/latedrops/policy/) is available at <http://www.sjsu.edu/aars/policies/latedrops/policy/>. Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the [Advising Hub](http://www.sjsu.edu/advising/) at <http://www.sjsu.edu/advising/>.

Assignments and Grading Policy

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.

Turnitin.com Information: You will be required to enroll in turnitin.com. The required information to do so is:

Class ID: 5116097

Class Name: ANTH156 Fall 2012

Password: bioarch

Grading

Your grade will be based on four tests: three quizzes, each quiz will have a practical component and a take-home component due on the day of the quiz and a final.

Quizzes	3 X 20	75%
Final		<u>25%</u>
	TOTAL	100%

The final will be a **comprehensive essay exam** and will be given at the **scheduled exam time**.

Grading is as followed:

A	B	C	D	F
97% - 100% = A+	87-89% = B+	77-79% = C+	67-69% = D+	59% and Below = F
91-96% = A	81-86% = B	71-76% = C	61-66% = D	
90% = A-	80% = B-	70% = C-	60% = D-	

You can keep track of your grades on Turnitin.com; I will not complete any grade check forms.

Make-up Work

If you know in advance that you should be unable to attend an exam, it is your responsibility to contact me immediately by either e-mailing or telephoning me, leaving a message for me at the main department office, or coming by during my office hours. Only students with a valid documented excuse will be able to take a make-up exam.

Taking tests for my classes:

- 1) Make sure to read each question carefully.
- 2) Make sure to arrive on time.
- 3) Put everything except your writing tools away.
- 4) Once I have handed out the first test and until the last test is turned in, there will be no talking permitted.
- 5) Always keep your eyes on your own papers.
- 6) Spelling counts. Misspelled answers will be marked as incorrect.
- 7) During the test, you can ask me questions if you need clarification on the question. To do this, please raise your hand and I will come over to you. If you have a question about the answer or about the meaning of a word that you should know (e.g., it is in your reading or I have used it in class), I will not answer the question.
- 8) Once you are finished, turn in your test and then you are free to leave.
- 9) Test results will be posted on turnitin.com.
- 10) Tests will be passed out the next class period and then we will review the answers. If you miss class, make sure to pick up the test the subsequent class period or during office hours.

University Policies

Academic integrity Information can be found at: <http://www.sjsu.edu/senate/S07-2.htm> & http://www.sa.sjsu.edu/judicial_affairs/index.html.

Campus Policy in Compliance with the American Disabilities Act Information can be found at: <http://www.drc.sjsu.edu/> to establish a record of their disability.

Recording of Class and Public Sharing of Instructor Material:

“Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. You must obtain the instructor’s permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material.”

“Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent.”

ANTH156 / Bioarchaeology, Fall 2012, Course Schedule

List the agenda for the semester including when and where the final exam will be held. Indicate the schedule is subject to change with fair notice and how the notice will be made available.

Week	Date	Topics, Readings, Assignments, Deadlines
1	8/23	Introduction; History of Bioarchaeology; Weiss Preface Nature of assemblage; Mays Chapter 2
2	8/28 8/31	Age and Sex Determination; Chapter 3 Bone biology; Mays Chapter 1; Weiss Chapter 1 – Beginning of Chapter to Cross-sectional data
3	9/4 9/6	Reconstructing Activities, Cross-sectional data; Mays Chapter 5 – P. 137 – 151; Weiss Chapter 1 – Cross-sectional data section Reconstructing Activities, Muscle markers; Mays Chapter 6 – P. 170 – 175; Weiss Chapter 1 – Muscle marker data section
4	9/11 9/13	Reconstructing Activities, Osteoarthritis, Mays Chapter 6 – P. 185 – 89, Weiss Chapter 1 – Osteoarthritis scores section Reconstructing Activities, Stress Fractures, Mays Chapter 9 – P. 258- 263, Weiss Chapter 1 – Stress fractures section to end of Chapter 1
5	9/18 9/20	Quiz 1 Review Quiz 1
6	9/25 9/27	Health & Disease, General Indicators of Stress: Stature, Harris Lines, Bone Mass, Mays Chapter 5 – P. 126-137; 206-209; Weiss Chapter 2 – Beginning of Chapter to Specific Indicators of Stress Health & Disease, General Indicators of Stress, Enamel Hypoplasia Mays Chapter 8 – P. 228-234

Week	Date	Topics, Readings, Assignments, Deadlines
7	10/2 10/4	Health & Disease, Specific Indicators of Stress, Mays Chapter 7 - P. 184-185, 209-213; Weiss Chapter 2 – From Specific Indicators of Stress to Dental Disease Health & Disease, Dental Disease, Mays Chapter 8 – P. 217-228; Weiss Chapter 2 – Dental Disease section : 49 – 52
8	10/9 10/11	Health & Disease, Infectious Disease, Mays Chapter 7 – P. 179 – 182, 200 – 206; Weiss Chapter 2 - Infectious Diseases section Health & Disease, Congenital Disease, Weiss Chapter 2 Congenital Diseases and Other Miscellaneous Pathologies to end of chapter
9	10/16 10/18	Quiz 2 Review Quiz 2
10	10/23 10/25	Trauma, Accidental vs. Violence, Mays Chapter 9, - P. 236 – 252, Weiss Beginning of Chapter 3 to Causes of Trauma Trauma, Mays Chapter 9 - P. 252 – 257; Weiss Chapter 3 – Causes of Trauma Section
11	10/30 11/1	Trauma, Surgery, Weiss Chapter 3 - Surgical Procedures Section to end of chapter Cultural Modification, Aesthetics and Cannibalism, Weiss Chapter 4
12	11/6 11/8	Diet, Occlusal Wear, Weiss, Chapter 5 – Beginning of Chapter to Isotopic Elements and Other Analyses Diet, Isotopes, Mays Chapter 10; Weiss Chapter 5 - Isotopic Elements and Other Analyses Section
13	11/13 11/15	Diet and Crania, Weiss Chapter 5 – Cranial Indicators of Diet to end of Chapter Biological Relatedness, Skeletal traits, Mays, Chapter 4, Chapter 5 – P. 166, Weiss Beginning of Chapter 6 to aDNA studies
14	11/20 11/22	Biological Relatedness, aDNA, Mays Chapter 11; Weiss Chapter 6 aDNA studies section to end of Chapter No Class
15	11/27 11/29	Quiz 3 Review Quiz 3
16	12/4 12/6	Ethics Mays Chapter 13; Weiss Chapter 7 Final Review
Final Exam	12/18	WSQ 004 at 9:45-12:00