

CATALOG INFORMATION

Dept and Nbr: ANTHRO 70C Title: ARCHAEOLOGY ANALYSIS  
Full Title: Archaeological Analysis: Techniques and Understanding  
Last Reviewed: 11/23/2015

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	4.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	2.00	Lab Scheduled	0	6	Lab Scheduled	0
		Contact DHR	3.00		Contact DHR	52.50
		Contact Total	6.00		Contact Total	105.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00

Total Student Learning Hours: 210.00

Title 5 Category: AA Degree Applicable  
Grading: Grade or P/NP  
Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP  
Also Listed As:  
Formerly:

**Catalog Description:**  
This course will focus on the analysis of archaeological artifacts and other specimens. Special attention will be given to the new techniques and newly refined older techniques that are most commonly applied to archaeological materials. Carbon-14 dating and obsidian hydration analysis will be emphasized. Field trips will include visits to local laboratories and to individuals that conduct such analyses. Legal, ethical, and practical issues regarding the recovery and handling of human remains will be included. Additionally, students will continue site excavation as they improve their skills.

**Prerequisites/Corequisites:**  
Course Completion of ANTHRO 70B

**Recommended Preparation:**

**Limits on Enrollment:**

**Schedule of Classes Information:**  
Description: This course will focus on the analysis of archaeological artifacts and other specimens. Special attention will be given to the new techniques and newly refined older

techniques that are most commonly applied to archaeological materials. Carbon-14 dating and obsidian hydration analysis will be emphasized. Field trips will include visits to local laboratories and to individuals that conduct such analyses. Legal, ethical, and practical issues regarding the recovery and handling of human remains will be included. Additionally, students will continue site excavation as they improve their skills. (Grade or P/NP)

Prerequisites/Corequisites: Course Completion of ANTHRO 70B

Recommended:

Limits on Enrollment:

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU GE:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>IGETC:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>
<b>UC Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>

**CID:**

**Certificate/Major Applicable:**

Major Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

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

1. Apply dating methods applied to specimens.
2. Determine which method is appropriate for which type of artifact and why.
3. Record, draw, and/or photograph archaeological remains.
4. Recover and record human remains in a respectful, legal, and documented manner.
5. Practice writing an archaeological report according to the California State Office of Historic Preservation.

### **Topics and Scope:**

1. Excavation techniques: continued practical application.
2. Documentation: preserving the past with records, photos, and drawings.
3. Lithic remains: more data from stones.
4. Faunal remains: more detail from animal bones.
5. Datable samples: how to collect them, C14, obsidian hydration, soil, fossil pollen, etc.
6. Human remains: introduction to recovery and identification.
7. How to write an archaeological report according to the professional standards set by the Society for California Archaeology "MATRIX" guidelines.
8. Legal, practical, and ethical issues regarding human remains.
9. New dating techniques.
10. Field trip to SSU Lab.

## Assignment:

1. Regular reading assignments from assigned texts and supplementary material. Typical reading assignments will be 150-300 pages per semester.
2. In-class discussion of regular assignments.
3. Quizzes will cover the assigned readings. Quizzes may be either multiple choice, short answer, true/false, specimen identification, short essay or any combination of the above.
4. Midterm examinations: students will answer a combination of essay questions and quiz style questions including but not limited to, multiple choice, short answer, true/false, and or specimen identification.
5. Final examination: students will answer a combination of essay questions and quiz style questions including but not limited to, multiple choice, short answer, true/false, and or specimen identification.
6. Writing requirements may be satisfied by a descriptive and analytic paper addressing an issue raised in class or in the field (typical papers will be 5-10 pages). Writing requirements may also be satisfied by journal entries from the field portion of the class.
7. On-site observation by instructor in the field where students would be expected to demonstrate the application of both field techniques and the reasoning behind them.
8. In-class quizzes on specimen identification and lithic and faunal analysis.

## Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written homework, lab reports, term papers

Writing  
10 - 20%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Field work and lab reports

Problem solving  
20 - 40%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Field work and performance exams

Skill Demonstrations  
20 - 40%

**Exams:** All forms of formal testing, other than skill performance exams.

Quizzes and exams

Exams  
10 - 20%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

**Representative Textbooks and Materials:**

The Archaeologists' Toolkit. Zimmerman, Larry and Green, William, Eds. Alta Mira Press: 2003

Forensic Anthropology: Laboratory Manual. 2nd Edition. Byers, Steven N. Allyn and Bacon, Publishers: 2007

Introduction to Forensic Anthropology, 3rd Edition. Byers, Steven N. Prentice Hall: 2007