

**San José State University  
College of Social Sciences  
Anthropology 167 Archaeological Lab Methods**

**Section 1 Fall 2013**

<b>Instructor:</b>	Dr. Charlotte Sunseri
<b>Office Location:</b>	Clark Hall 404G
<b>Telephone:</b>	(408) 924-5713
<b>Email:</b>	charlotte.sunseri@sjsu.edu
<b>Office Hours:</b>	Monday 1-3PM, or by appt.
<b>Class Days/Time:</b>	Monday, Wednesday 10:30AM - 11:45AM
<b>Classroom:</b>	WSQ 004
<b>Prerequisites:</b>	ANTH 13

**Course Description**

Catalog Description: General laboratory procedures in archaeological research. Collection, processing, and curation of artifacts.

The goal of the course is to familiarize students with artifact types common to archaeological deposits from the late Nineteenth Century and resources/lab manuals commonly used in their analysis. The laboratory modules focus on analyzing, cataloging, and dating historic artifacts. These artifacts include glass, metal, ceramics, faunal remains, and domestic trash from households occupied during this era. Anthropological topics and research questions addressed by each of these material categories are discussed to provide connections between laboratory analysis to project research design. Documentary evidence, including store ledgers from this era, provides a comparative data set regarding economic networks and relative costs of goods.

**Course Goals and Student Learning Objectives**

**Course Content Learning Outcomes**

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

LO1. Complete post-excavation stages of processing, analyzing, and cataloguing an historical archaeological assemblage and interpretation of the site.

- LO2. Understand how laboratory analysis fits into an archaeological research design.  
LO3. Identify appropriate research techniques and reference materials for studying various archaeological artifacts in the laboratory.

## Required Texts/Readings

### Textbook

- Sutton, Mark Q. and Brooke S. Arkush. 2009. *Archaeological Laboratory Methods*. Fifth Edition. Kendall/Hunt Publishing Company. ISBN: 0757559743.  
Brauner, David R. (editor) 2000. *Approaches to Material Culture Research for Historical Archaeologists*. Society for Historical Archaeology. ISBN: 1886818053

### Other Readings

Supplemental readings may be assigned—these will be made available by pdf. *It is recommended that all supplemental readings and activity handouts be kept in a three-ring binder for reference during lab activities and quizzes.*

Additional readings for each topic will be made available in the laboratory library:

#### General Resources:

Noel Hume, Ivor. 1985. *A Guide to Artifacts of Colonial America*. Alfred A. Knopf, New York.

A Reader for Artifact Identification, ANTH 168.

#### Glass Artifacts:

Jones, Olive and Catherin Sullivan. 1985. *The Parks Canada Glass Glossary*. Environment Canada.

Whitten, David. n.d. Glass Factory Marks on Bottles. Online at <http://www.myinsulators.com/glass-factories/bottlemarks.html>.

Lindsey, Bill. 2012. Bottle Identification & Identification Website. Online at <http://bottleinfo.historicbottles.com/index.htm>.

Toulouse, Julian Harrison. 1969. A Primer on Mold Seams, Parts I-II. *Western Collector* 7:526-535, 578-587. (available as pdf)

Bottles. Intermountain Antiquities Computer System (IMACS) Guide. (pdf available, see also <http://www.anthro.utah.edu/labs/imacs.html> for illustrations)

Miller, George L., and Antony Pacey. 1985 Impact of Mechanization on the Glass Container Industry: The Dominion Glass Company of Montreal, As Case Study. *Historical Archaeology* 19(1):38-50. (pdf available)

Miller, George L., and Catherine Sullivan. 1985 Machine-Made Glass Containers and the End of Production for Mouth-Blown Bottles. *Historical Archaeology* 18(2):83-96. (pdf available)

#### Metal Artifacts:

Heritage Aspen. 2002. *A Tin Can Handbook*. <http://www.heritageaspen.org/tincnfld.html>.  
Tin Cans. Intermountain Antiquities Computer System (IMACS) Guide. (pdf available, see also <http://www.anthro.utah.edu/labs/imacs.html> for illustrations)

Maxwell, D. B. S. 1993. Beer Cans: A Guide for the Archaeologist. *Historical Archaeology* 27(1):95–113. (pdf available)

Nails. Intermountain Antiquities Computer System (IMACS) Guide. (pdf available, see also <http://www.anthro.utah.edu/labs/imacs.html> for illustrations)

Barbed Wire. Intermountain Antiquities Computer System (IMACS) Guide. (pdf available, see also <http://www.anthro.utah.edu/labs/imacs.html> for illustrations)

Rock, James T. 1984 Cans in the Countryside. *Historical Archaeology* 18(2):97-111. (pdf available)

#### Ceramic Artifacts:

Ceramics. Intermountain Antiquities Computer System (IMACS) Guide. (pdf available, see also <http://www.anthro.utah.edu/labs/imacs.html> for illustrations)

Godden, Geoffrey A. 1964. *Encyclopaedia of British Pottery and Porcelain Marks.* Bonanza, New York.

Kovel, Ralph M. and Terry H. Kovel. 1986. *Kovels' New Dictionary of Marks.* Crown Publishers, New York.

Lehner, Lois. 1988. *Lehner's Encyclopedia of U.S. Marks on Pottery, Porcelain, and Clay.* Collector Books, Schroeder, Paducah, Kentucky.

Majweski, Teresita, and Michael O'Brien. 1987. The Use and Misuse of Nineteenth-Century English and American Ceramics in Archaeological Analysis. *Advances in Archaeological Method and Theory* 11:97-209. (pdf available)

#### Chinese Artifacts:

Costello, Julia G. and Mary L. Maniery. 1988. *Rice Bowls in the Delta: Artifacts Recovered from the 1915 Asian Community of Walnut Grove, California.* Occasional Publications 10. Institute of Archaeology, University of California, Los Angeles.

Greenwood, Roberta. 1996. *Down by Station: Los Angeles Chinatown, 1880-1933.* Cotsen Institute of Archaeology.

Hellmann, Virginia R. and Jeannie K. Yang. n.d. Chapter 5: Special Studies, Previously Undocumented Chinese Artifacts

Lake County Archaeology. 2011. Stoneware in the Late 1800s in San Luis Obispo's Chinatown. <http://www.wolfcreekarcheology.com/Stoneware.htm>.

#### Other Artifacts:

Cartridges. Intermountain Antiquities Computer System (IMACS) Guide. (pdf available, see also <http://www.anthro.utah.edu/labs/imacs.html> for illustrations)

Buttons. Intermountain Antiquities Computer System (IMACS) Guide. (pdf available, see also <http://www.anthro.utah.edu/labs/imacs.html> for illustrations)

Shoes. Intermountain Antiquities Computer System (IMACS) Guide. (pdf available, see also <http://www.anthro.utah.edu/labs/imacs.html> for illustrations)

### **Classroom Protocol**

- Participation is a vital element in a social science environment and attendance is foundational to academic success. Students are expected to attend class. Although no formal role will be taken, informal attendance records will be monitored.

- Students are encouraged to ask questions before, during, and after class and to take full advantage of scheduled office hours or to make appointments.
- As a courtesy and in respect for fellow students and instructor please turn off your cell phones and other electronics. Computers may be used only for note taking—please refrain from emailing, chatting, or looking at websites while in class. If you must attend to a phone message or call, then please leave the room.

## 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](#) section at <http://info.sjsu.edu/static/catalog/policies.html>. Add/drop deadlines can be found on the [current academic calendar](#) web page located at [http://www.sjsu.edu/academic\\_programs/calendars/academic\\_calendar/](http://www.sjsu.edu/academic_programs/calendars/academic_calendar/). The [Late Drop 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](#) at <http://www.sjsu.edu/advising/>.

## Assignments and Grading Policy

Students will be evaluated on the basis of:

- 1) *Participation and daily task completeness:* Participation in lab activities (including timely arrival to class) and completion of tasks during class will be recorded. Grades will be assigned based on accuracy and completeness of daily tasks, such as completing a lab module to learn glass artifact analysis or cleaning and inventorying a bag from an excavation unit. (**60 points total**).
- 2) *Artifact analysis data sheets:* For each material category we learn to analyze, each student will be assigned a set of artifacts. The assignment is to analyze the artifacts and fill out an artifact inventory form for each artifact. Grades will be assigned based on accuracy and completeness of artifact analysis. A data sheet will be completed for glass, metal, ceramic, and faunal artifact categories. (**20 points total**).
- 3) *Quizzes:* Scheduled open-note quizzes will routinely test student knowledge of artifact analysis. Each quiz will consist of stations involving artifact identification, use of handbooks common in historical archaeology, and questions covering the assigned articles. A student may use their lab binder/notebook to assist with these quizzes—the binder may include all class lab modules, notes taken in class, and notes written about the assigned readings (but not print outs of the articles themselves). Quizzes will be given the first 15-20 minutes of class and be timed exams—any late arrivals to class will not be given extra time to complete the exam. Quizzes will be given for glass, metal, ceramic, and faunal artifact categories. (**40 points total**)

4) *Documentary project:* This project will be done in assigned teams and involve digitization of historical store ledgers from San Jose, CA and Hammond Station, CA. The assignment is to digitize a set of ledger entries (due as digital files) and prepare a short paper (3 pages double spaced). This paper will allow students to interpret artifacts and meaning from the archaeological sites using information from these ledgers. No late projects will be accepted. (**15 points total**).

5) *Final exam:* The culminating experience in this course is to complete an artifact analysis in a small team and report the findings to the class (as a team) and to the professor in a final paper (as an individual). The presentations will be given the last week of class and the paper will be due by each student by email before the end of finals period (see end of syllabus schedule). Details on possible project ideas and activity specifics will be discussed in the assignment handout. (**30 points total**)

Below are basic guidelines for grading. Additional criteria may apply depending on assignments. Letter grades will be assigned based on score percentages, as follows.

#### Grading Distribution

A+ >98, A 94-97, A- 90-93 %

B+ 88-89, B 84-87, B- 80-83%

C+ 78-79, C 74-77, C- 70-73%

D+ 68-69, D 63-67, F <63%

#### Policies:

- Students will be held to the highest standards of academic integrity and intellectual ethics. The chief product in the social sciences is new knowledge and original thinking. Plagiarism is intellectually dishonest and a form of theft. It will not be tolerated and will be dealt with in accordance with university Academic Integrity Policy.
- Clear criteria for grading will be provided for each assignment format. Feedback to students will be immediate and as detailed as manageable. The instructor will make every reasonable effort to provide timely and constructive feedback to students concerning performance throughout the semester, especially on written work.
- Assignments will not be accepted by email (unless explicitly instructed in the assignment) or after the last scheduled class.
- Assignments, including artifact analyses and projects, may not be turned in late. An exam due date may be extended only if a student provides appropriate documentation for legitimate excuses on the scheduled exam dates (funeral, medical emergency, family crisis).
- The instructor reserves the right to adjust the syllabus, assignment dates, or course content as deemed necessary to facilitate the highest achievement and performance of the class, or to explore timely topics.
- Incomplete (I) can not be given to avoid an F grade (University Policy).

## **University Policies**

### **Academic integrity**

Your commitment as a student to learning is evidenced by your enrollment at San Jose State University. The [University's Academic Integrity policy](#), located at <http://www.sjsu.edu/senate/S07-2.htm>, requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development website](#) is available at [http://www.sa.sjsu.edu/judicial\\_affairs/index.html](http://www.sa.sjsu.edu/judicial_affairs/index.html).

Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include your assignment or any material you have submitted, or plan to submit for another class, please note that SJSU's Academic Policy S07-2 requires approval of instructors.

### **Campus Policy in Compliance with the American Disabilities Act**

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with the [Disability Resource Center](#) (DRC) at <http://www.drc.sjsu.edu/> to establish a record of their disability.

### **Classroom Recording (S12-7)**

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.

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.

### **Credit Hours (S12-3)**

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.

# ANTH 167 / Archaeological Lab Methods, Fall 2013, Course Schedule

*Schedule (including assignment due dates, exam dates, date of final exam) is subject to change with fair notice – notice may be made available by email from instructor and/or classroom announcements.*

**Table 1 Course Schedule**

Week	Date	Topics, Readings, Assignments, Deadlines
1	Aug 21	Introduction to course and the archaeological site of Mono Mills
2	Aug 26, 28	Lab 1&2: Artifact cleaning and analysis protocol, FileMaker catalogs Read: Sutton & Arkush (Ch 1-3)
3	Sept 4	Finish Lab 2: Artifact inventory and data recording
4	Sept 9, 11	Lab 3, Pt 1&2: Glass Analysis Read: Sutton & Arkush (Ch. 9: 184-205), From <i>Approaches to Material Culture</i> : White; Miller & Sullivan; Busch
5	Sept 16, 18	Lab 3, Pt 3: Glass Analysis Read: From <i>Approaches to Material Culture</i> : Wilkie
6	Sept 23, 25	<i>Glass Quiz!</i> (and analysis forms due) Lab 4, Pt 1: Metal Analysis Read: Sutton & Arkush (Ch. 9: 166-184), From <i>Approaches to Material Culture</i> : Rock; Maxwell
7	Sept 30, Oct 2	Lab 4, Pt 2&3: Metal Analysis Read: From <i>Approaches to Material Culture</i> : Wells
8	Oct 7, 9	<i>Metal Quiz!</i> (and analysis forms due) Lab 5: Ceramics Analysis Read: Sutton & Arkush (Ch. 6, 9:205-221), From <i>Approaches to Material Culture</i> : Beaudry et al; Adams & Boling
9	Oct 14, 16	Finish Lab 5: Ceramics Analysis <i>Ceramics Quiz!</i> (and analysis forms due)
10	Oct 21, 23	Lab 6, Pt 0.5 & 1: Faunal Analysis Read: Sutton & Arkush (Ch. 9: 225; Ch. 10)
11	Oct 28, 30	Lab 6, Pt 2 & 3: Faunal Analysis <i>Faunal Quiz!</i> (and analysis forms due)
12	Nov 4, 6	Lab 7: Data structuring and interpretation Lab 8: Documentary Evidence; Read: Wilkie 2006 (pdf: “Documentary evidence”)
13	Nov 13	Documentary project work
14	Nov 18, 20	Term project work <i>Documentary Project due</i>
15	Nov 25, 27	Term project work
16-17	Dec 2, 4, 9	Project presentations, Course wrap-up, career applications

Final exam period: Tuesday, December 17 at 09:45-12:00