

# ANTH M12: ARCHAEOLOGICAL LABORATORY PROCEDURES

**Originator**

akinkella

**Co-Contributor(s)****Name(s)**

Vaughan, Ashley (avaughan)

**College**

Moorpark College

**Discipline (CB01A)**

ANTH - Anthropology

**Course Number (CB01B)**

M12

**Course Title (CB02)**

Archaeological Laboratory Procedures

**Banner/Short Title**

Archaeological Lab Procedures

**Credit Type**

Credit

**Start Term**

Fall 2021

**Catalog Course Description**

Provides hands-on experience working with archaeological collections. Examines the processing, sorting, washing, stabilizing, analysis and final cataloging of an excavation collection. Introduces federal and state laws concerning archaeological excavation and curation. Considers the requirements for employment with local contract archaeology firms.

**Taxonomy of Programs (TOP) Code (CB03)**

2202.00 - Anthropology

**Course Credit Status (CB04)**

D (Credit - Degree Applicable)

**Course Transfer Status (CB05) (select one only)**

A (Transferable to both UC and CSU)

**Course Basic Skills Status (CB08)**

N - The Course is Not a Basic Skills Course

**SAM Priority Code (CB09)**

E - Non-Occupational

**Course Cooperative Work Experience Education Status (CB10)**

N - Is Not Part of a Cooperative Work Experience Education Program

**Course Classification Status (CB11)**

Y - Credit Course

**Educational Assistance Class Instruction (Approved Special Class) (CB13)**

N - The Course is Not an Approved Special Class

**Course Prior to Transfer Level (CB21)**

Y - Not Applicable

**Course Noncredit Category (CB22)**

Y - Credit Course

**Funding Agency Category (CB23)**

Y - Not Applicable (Funding Not Used)

**Course Program Status (CB24)**

1 - Program Applicable

**General Education Status (CB25)**

Y - Not Applicable

**Support Course Status (CB26)**

N - Course is not a support course

**Field trips**

May be required

**Faculty notes on field trips; include possible destinations or other pertinent information**

Field trips will include destinations such as local museums. Possibilities include Santa Barbara Natural History Museum, Chumash Indian Museum, and UCSB Anthropology Department.

**Grading method**

(L) Letter Graded

**Alternate grading methods**

(O) Student Option- Letter/Pass

(P) Pass/No Pass Grading

**Does this course require an instructional materials fee?**

No

**Repeatable for Credit**

No

**Is this course part of a family?**

No

**Units and Hours**

**Carnegie Unit Override**

No

**In-Class**

**Lecture**

**Minimum Contact/In-Class Lecture Hours**

17.5

**Maximum Contact/In-Class Lecture Hours**

17.5

**Activity**

**Laboratory**

**Minimum Contact/In-Class Laboratory Hours**

105

**Maximum Contact/In-Class Laboratory Hours**

105

**Total in-Class**

**Total in-Class**

**Total Minimum Contact/In-Class Hours**

122.5

**Total Maximum Contact/In-Class Hours**

122.5

**Outside-of-Class**

**Internship/Cooperative Work Experience**

**Paid**

**Unpaid**

**Total Outside-of-Class**

**Total Outside-of-Class**

**Minimum Outside-of-Class Hours**

35

**Maximum Outside-of-Class Hours**

35

**Total Student Learning**

**Total Student Learning**

**Total Minimum Student Learning Hours**

157.5

**Total Maximum Student Learning Hours**

157.5

**Minimum Units (CB07)**

3

**Maximum Units (CB06)**

0

**Advisories on Recommended Preparation**

ANTH M03

**Requisite Justification**

**Requisite Type**

Recommended Preparation

**Requisite**

ANTH M03

**Requisite Description**

Course not in a sequence

**Level of Scrutiny/Justification**

Content review

**Student Learning Outcomes (CSLOs)**

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

- |   |  |
|---|--|
| 1 | use correct archaeological laboratory methods in the analysis of archaeological artifacts, and appreciate the process of cleaning, sorting, labeling, and preparing artifacts for long-term storage to support research. |
|---|--|

**Course Objectives**

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

- |   |   |
|---|---|
| 1 | assess the theories and methods used by archaeology in the analysis of cultural resources.  |
| 2 | assess current archaeological laws in terms of how they affect archaeological work undertaken in Southern California.             |
| 3 | compare the storage and display of archaeological materials at local museums and historic landmarks to those at Moorpark College. |
| 4 | distinguish excavated archaeological materials from one another.  |
| 5 | organize archaeological materials into meaningful categories.   |
| 6 | inventory an archaeological collection using a computer database.   |
| 7 | create a resume centered on their archaeological experience and apply for work with a local archaeology firm (if desired).        |
| 8 | compare and contrast final archaeological reports in terms of clarity and professionalism.  |

**Course Content****Lecture/Course Content**

- 11% - Laboratory Rules and Procedures
- 11% - Writing a Final Report
- 11% - Analysis of Perishable Remains (e.g., Basketry, Clothing)
- 11% - Methods of Organizing, Numbering, and Maintaining an Archaeological Collection
- 12% - Analysis of different types of artifacts in the laboratory setting.
- 11% - Resume Writing and Job Possibilities.
- 11% - Current Archaeological Laws and Regulations, with Emphasis on Cultural Resource Management (CRM) Requirements
- 11% - Identification, Sorting by Type, Cleaning, Stabilization and Labeling of Artifacts
- 11% - Research Design and Background Introduction to the Site Under Study

**Laboratory or Activity Content**

- 11% - Laboratory Tools - Use and Maintenance
- 11% - Recognition and Analysis of Fiber, Historic, and Other Artifact Types
- 11% - Data Entry of Archaeological Material
- 12% - Organization and Maintenance of the Archaeological Laboratory
- 11% - Preparation of Resume
- 11% - Recognition and Analysis of Lithic (Stone) Artifacts
- 11% - Recognition and Analysis of Bone Artifacts
- 11% - Recognition and Analysis of Shell Artifacts
- 11% - Working together in small groups for a common goal.

**Methods of Evaluation**

**Which of these methods will students use to demonstrate proficiency in the subject matter of this course? (Check all that apply):**

Problem solving exercises  
 Skills demonstrations  
 Written expression

**Methods of Evaluation may include, but are not limited to, the following typical classroom assessment techniques/required assignments (check as many as are deemed appropriate):**

Classroom Discussion  
 Computational homework  
 Essay exams  
 Group projects

Individual projects  
 Journals  
 Laboratory activities  
 Laboratory reports  
 Objective exams  
 Projects  
 Problem-solving exams  
 Problem-solving homework  
 Participation  
 Portfolios  
 Quizzes  
 Reports/Papers/Journals  
 Reports/papers  
 Research papers  
 Skills demonstrations  
 Skill tests or practical examinations  
 Written analyses  
 Written homework

## Instructional Methodology

### Specify the methods of instruction that may be employed in this course

Audio-visual presentations  
 Collaborative group work  
 Class activities  
 Class discussions  
 Case studies  
 Demonstrations  
 Field experience/non-internship  
 Field trips  
 Group discussions  
 Guest speakers  
 Instructor-guided interpretation and analysis  
 Instructor-guided use of technology  
 Internet research  
 Laboratory activities  
 Lecture  
 Readings  
 Small group activities  
 Web-based presentations

### Describe specific examples of the methods the instructor will use:

Instructor will use PowerPoint presentations, board work, educational videos, classroom discussions, and laboratory material to explain lab content.

## Representative Course Assignments

### Writing Assignments

- Filling in archaeological laboratory paperwork that records artifact attributes.
- Writing a resume that may be used in the search for employment with local archaeological firms.
- Writing a substantial "Data Report" on a particular aspect of the collection on which detailed research was undertaken.
- Taking exams that include short essay questions.

### Critical Thinking Assignments

- Compare archaeological collections of Moorpark College to those of the Ventura County Archaeological Society (VCAS).
- Evaluate artifact change through time and how technological changes affected ancient populations.
- Analyze the relative similarities and differences in local stone types in terms of their feasibility in stone tool construction.

### Reading Assignments

- Read assigned chapters in lab manual.
- Read and review key terms as provided by professor.
- Read assigned journal articles on shell bead typologies through time.

**Skills Demonstrations**

- Proper handling of archaeological material.
- Recognition of local artifact types.
- Organization of artifacts based on their attributes.

**Outside Assignments****Representative Outside Assignments**

- Reading outside works on past prehistoric or historic research related to the area(s) under study.
- Visiting local archaeological repositories to compare methods and collection organization with those at Moorpark.

**Articulation****Equivalent Courses at other CCCs**

College	Course ID	Course Title	Units
Palomar College	ANTH 215	Archaeological Laboratory Analysis	3
Foothill College	ANTH 16L & 17L	Basic Archaeology Laboratory & Intermediate Archaeology Laboratory	1, 2
Santa Monica College	ANTH 4	Methods of Archaeology	3

**Attach Syllabus**

Lab Syllabus F19.docx

**District General Education****A. Natural Sciences****B. Social and Behavioral Sciences****C. Humanities****D. Language and Rationality****E. Health and Physical Education/Kinesiology****F. Ethnic Studies/Gender Studies****Course is CSU transferable**

Yes

**CSU Baccalaureate List effective term:**

F1995

**CSU GE-Breadth****Area A: English Language Communication and Critical Thinking****Area B: Scientific Inquiry and Quantitative Reasoning****Area C: Arts and Humanities****Area D: Social Sciences****D Social Sciences**

Approved

**Area E: Lifelong Learning and Self-Development**

**Area F: Ethnic Studies**

**CSU Graduation Requirement in U.S. History, Constitution and American Ideals:**

**UC TCA**

UC TCA  
Approved

**IGETC**

**Area 1: English Communication**

**Area 2A: Mathematical Concepts & Quantitative Reasoning**

**Area 3: Arts and Humanities**

**Area 4: Social and Behavioral Sciences**

**Area 5: Physical and Biological Sciences**

**Area 6: Languages Other than English (LOTE)**

**Textbooks and Lab Manuals**

**Resource Type**

Textbook

**Classic Textbook**

Yes

**Description**

Sutton, Mark Q., and Brooke S. Arkush. *Archaeological Laboratory Methods: An Introduction*. 7th ed., Kendall Hunt Publishing, 2019.

**Resource Type**

Textbook

**Description**

Kipfer, Barbara Ann. *The Archaeologist's Fieldwork Companion*. Wiley-Blackwell, 2006.

**Resource Type**

Textbook

**Description**

King, Thomas F. *Cultural Resource Laws and Practice*. 4th ed., AltaMira, 2013.

**Library Resources**

**Assignments requiring library resources**

Outside reading using the library's print and online resources.

**Sufficient Library Resources exist**

Yes

**Example of Assignments Requiring Library Resources**

Research on such topics as the evolution of Chumash shell beads over time.

**Primary Minimum Qualification**

ANTHROPOLOGY

**Review and Approval Dates**

**Department Chair**

04/01/2021

**Dean**

04/06/2021

**Technical Review**

04/15/2021

**Curriculum Committee**

04/20/2021

**DTRW-I**

MM/DD/YYYY

**Curriculum Committee**

MM/DD/YYYY

**Board**

MM/DD/YYYY

**CCCCO**

MM/DD/YYYY

**Control Number**

CCC000434440

**DOE/accreditation approval date**

MM/DD/YYYY