

ANTH M05: ARCHAEOLOGICAL FIELD METHODS

Originator

akinkella

Co-Contributor(s)
Name(s)

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College

Moorpark College

Discipline (CB01A)

ANTH - Anthropology

Course Number (CB01B)

M05

Course Title (CB02)

Archaeological Field Methods

Banner/Short Title

Archaeological Field Methods

Credit Type

Credit

Start Term

Fall 2021

Catalog Course Description

Introduces practical hands-on archaeology by participation in an on-going archaeological project. Emphasizes the methods of site excavation, recognition of artifacts while in the ground, recording of archaeological discoveries, archaeological ethics, and primary sorting of archaeological materials.

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

Will be required

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

Field trips will be to local archaeological sites. These may include Rancho Guadaluca, Santa Barbara Painted Cave, Santa Monica Mountains, Ventura Mission, or similar.

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)

3

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 | apply archaeological excavation methods and techniques in a real-world situation. |
|---|---|

Course Objectives

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

- | | |
|---|--|
| 1 | demonstrate the ability to set up a 1x1 meter test pit at an archaeological site in a professional manner. |
| 2 | test basic archaeological theory and methodology as it pertains to an active excavation. |
| 3 | compare and contrast the tools of archaeology and rate them according to the strengths and weaknesses they possess. |
| 4 | assess an archaeological excavation in terms of the stated research goals and evaluate the feasibility of the chosen excavation methodology. |
| 5 | describe the process of excavation clearly and concisely on professional archaeological paperwork. |
| 6 | solve problems encountered while working in the field through team work. |
| 7 | differentiate archaeological materials encountered while digging from the surrounding soil. |

Course Content**Lecture/Course Content**

- 20% - Research Design and the Ethnographic and Historical Background of the Site Under Study.
- 12% - Field Stabilization and Transportation of Artifacts.
- 12% - Collecting samples for pollen analysis, soil testing, and/or dating.
- 12% - Archaeological Photography.
- 12% - Excavation Methods including grid layout, horizontal vs. vertical excavation techniques, arbitrary vs. stratigraphic levels, and proper use of excavation tools.
- 20% - Record Keeping in journals, level records, and feature records.
- 12% - Care and use of the excavation and mapping equipment

Laboratory or Activity Content

- 9% - Filling out archaeological paperwork
- 9% - 1x1 Meter Test Pit Setup and maintenance.
- 9% - Excavation Backfilling and Safety
- 9% - Use, Care and Maintenance of Archaeological Tools
- 9% - Point Provenience of Artifacts *In Situ*
- 9% - Auger and Shovel Test Pit excavation
- 9% - Practice in Wet and Dry Screening techniques.
- 9% - Recording Archaeological Material via Journal Entry and in paperwork.
- 9% - Sample Collection.
- 9% - Excavation in Arbitrary Levels and/or natural levels depending on site location and condition.
- 10% - Cooperatively working in small groups to reach 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
 Essay exams
 Group projects
 Individual projects
 Journals
 Laboratory activities
 Laboratory reports

Objective exams
 Projects
 Problem-solving exams
 Problem-solving homework
 Participation
 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
 Computer-aided 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
 Large group activities
 Lecture
 Observation
 Problem-solving examples
 Readings
 Small group activities
 Web-based presentations

Describe specific examples of the methods the instructor will use:

In class instructor will use PowerPoint presentations, board work, educational videos, classroom discussions, and group work to explain course content.

In the field, instructor will use hands-on techniques to teach a skill set.

Representative Course Assignments

Writing Assignments

- Daily paperwork that records specific details concerning excavation depth and artifacts uncovered.
- Journal entries that record in detail daily activities on the excavation, including soil characteristics and artifacts uncovered.

Critical Thinking Assignments

- Oral and written evaluations on topics such as comparing the various tools used during excavation and discussing preferences based on real world experience.
- Class discussions on hands-on experiences, like comparing the site worked on to other archaeology sites in the local area.
- Class discussions on the effect of local, state, and federal laws on archaeological sites.
- Objective and short-answer exams.

Reading Assignments

- Read peer-reviewed scientific journal articles regarding archaeology and excavation provided by the instructor and answer questions about the article.
- Read assigned chapters from the biological anthropology textbook.

Skills Demonstrations

- Excavation of a 10 cm level in a 1x1 meter test pit.
- Use of archaeological tools such as the auger and the theodolite.

Outside Assignments**Representative Outside Assignments**

- Visiting other local archaeological sites for comparison purposes.
- Attending a lecture on current archaeological or anthropological topics.
- Reading site reports from other archaeological sites.

Articulation**Equivalent Courses at 4 year institutions**

University	Course ID	Course Title	Units
CSU Chico	ANTH 280	Field Archaeology	4

Equivalent Courses at other CCCs

College	Course ID	Course Title	Units
Palomar College	ANTH 120	Archaeological Excavation	3
Foothill College	ANTH 52	Archaeological Field Methods	4

Attach Syllabus

Excavation Syllabus F18.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

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

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

Resource Type
Textbook

Description
Burke, Heather, Claire Smith, and Larry Zimmerman. *The Archaeologist's Field Handbook*. North American Edition, AltaMira, 2008.

Resource Type
Textbook

Description
Neumann, Thomas W., and Robert M. Sanford. *Cultural Resources Archaeology: An Introduction*. 2nd ed., AltaMira, 2010.

Resource Type
Textbook

Description

Hester, Thomas, Harry Shafer, and Kenneth Feder. *Field Methods in Archaeology*. 7th ed., Routledge, 2009.

Resource Type

Textbook

Classic Textbook

Yes

Description

Drewett, Peter. *Field Archaeology: An Introduction*. 2nd ed., Routledge, 2011.

Library Resources

Assignments requiring library resources

Recommended outside readings using the Library's print and online resources, particularly readings accessed from the Library's specialized anthropological database (AnthroSource).

Sufficient Library Resources exist

Yes

Example of Assignments Requiring Library Resources

Writing a final report about a local archaeological site such as the Ventura Mission or the Santa Barbara Painted Cave.

Primary Minimum Qualification

ANTHROPOLOGY

Review and Approval Dates

Department Chair

04/15/2021

Dean

04/16/2021

Technical Review

04/29/2021

Curriculum Committee

5/4/2021

DTRW-I

MM/DD/YYYY

Curriculum Committee

MM/DD/YYYY

Board

MM/DD/YYYY

CCCCO

MM/DD/YYYY

Control Number

CCC000432005

DOE/accreditation approval date

MM/DD/YYYY

