

ANTH M10: ARCHAEOLOGICAL SURVEY AND MAPPING

Originator

akinkella

Co-Contributor(s)

Name(s)

Vaughan, Ashley (avaughan)

College

Moorpark College

Discipline (CB01A)

ANTH - Anthropology

Course Number (CB01B)

M10

Course Title (CB02)

Archaeological Survey and Mapping

Banner/Short Title

Archaeological Survey & Map.

Credit Type

Credit

Start Term

Fall 2021

Catalog Course Description

Introduces archaeological field research through the application of survey and mapping techniques, including the initial discovery, evaluation, and recording of archaeological sites. Emphasizes the use of a compass, reading and drawing of scale maps, evaluation of soil and terrain formations, initial recording and collection of surface artifacts, and various other specialized observation and recording techniques.

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 and museums. Destinations include Rancho Guadaluca, Santa Barbara Painted Cave, Santa Barbara County Museum, Santa Monica Mountains, Ventura Mission, Happy Camp Canyon, and Wildwood Park.

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 | demonstrate archaeological mapping and survey techniques, including use of compass, GPS, USGS maps, and the associated proper recording methods at a variety of archaeological sites. |
|---|---|

Course Objectives

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

- | | |
|---|--|
| 1 | assess the feasibility of various theories and methods of archaeological survey and mapping relative to human settlement patterns. |
| 2 | recognize, evaluate and record cultural resources in actual field conditions. |
| 3 | demonstrate a basic knowledge of the organization of a cultural resource management (public archaeology) firm. |
| 4 | calibrate and operate a compass. |
| 5 | operate a global positioning system (GPS) device and interpret the GPS data. |
| 6 | read and translate a United States Geological Survey (USGS) map. |
| 7 | retrieve pertinent archaeological field reports from an archaeological information center. |
| 8 | create professional-quality archaeological field maps and fill out related paperwork. |

Course Content**Lecture/Course Content**

- 12% - Filling out an archaeological site record and associated paperwork.
- 12% - Basic site evaluation including environment, landforms, soil, and plant types.
- 12% - Archaeological site records and the Archaeological Information Center.
- 16% - Planning an archaeological survey and making appropriate maps depending on terrain and available resources.
- 12% - Compass use, including setting of declination.
- 12% - Map reading, USGS topographic quadrangles, and other map types.
- 12% - Research designs and ethnographic and/or archival searches.
- 12% - Cultural Resource Law as it applies to mapping archaeological sites.

Laboratory or Activity Content

- 9% - Compass - settings and reading
- 9% - Definition of archaeological site boundaries
- 9% - Recognition of archaeological sites in a real world environment
- 9% - Processing paperwork at an archaeological information center
- 9% - Recordation of natural features and rock art
- 9% - Recordation of archaeological sites using professional paperwork
- 10% - Construction of scale maps
- 9% - Utilization of GPS devices and downloading to mapping programs
- 9% - USGS map reading
- 9% - Surface collection of artifacts.
- 9% - Introduction to basic field procedures including bringing water and other survival supplies on an archaeological survey.

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 compositions
 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
 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:

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

Representative Course Assignments

Writing Assignments

- Written paperwork using a standard "Site Record" to record a cultural resource.
- Field journal where students will record their observations.
- Exams including short essay questions.

Critical Thinking Assignments

- Evaluate all archaeological sites within a one-mile radius by using site records from the Ventura County Archaeological Society (VCAS).
- Identify archaeological sites in the natural environment.
- Compare and contrast different map making techniques.

Reading Assignments

- Read assigned chapters in textbook.
- Read and review key terms as provided by professor.
- Read journal articles on the accuracy of different types of archaeological mapping equipment.

Skills Demonstrations

- Creating maps using a variety of technologies (e.g., compass, GPS units) and include these maps in the field journal.
- Using GPS to pinpoint one's position and translating that information onto USGS maps.
- Mapping local archaeological sites and comparing these maps to professional quality site maps.

Outside Assignments**Representative Outside Assignments**

- Reading and analyzing field reports on historical sites.
- Visiting other local archaeological sites and using local archaeological archives to aid in field research.

Articulation**Equivalent Courses at other CCCs**

College	Course ID	Course Title	Units
Palomar College	ANTH 210	Archaeological Surveying	3
Foothill College	ANTH 51	Archaeology Survey	2

Attach Syllabus

Survey Syllabus S19.docx

District General Education**A. Natural Sciences****B. Social and Behavioral Sciences****B2. Social and Behavioral Sciences**

Approved

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
Neumann, Thomas W., Robert M. Sanford, and Karen G. Harry. *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., Left Coast Press, 2009.

Resource Type
Textbook

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

Resource Type
Textbook

Description

White, Gregory, and Thomas King. *The Archaeological Survey Manual*. Left Coast Press, 2007.

Library Resources

Assignments requiring library resources

Outside reading and research using the Library's print and online resources.

Sufficient Library Resources exist

Yes

Example of Assignments Requiring Library Resources

Research on topics such as "Recent excavations at Chumash sites within Ventura County."

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

CCC000432096

DOE/accreditation approval date

MM/DD/YYYY