

ANTHRO 2AC: INTRODUCTION TO ARCHAEOLOGY

SPRING SEMESTER 2019

MWF 10:00-11:00am; 4 units; 105 Stanley Hall

INSTRUCTORS:

Kent Lightfoot, Professor of Anthropology

Office: 2251 College Building, Room 213;

E-mail: klightfoot@berkeley.edu

Office Hours: Friday 1:30-4:30

Teaching Team: Michael Grone (Head GSI), Pascale Boucicaut, Jarre Hamilton,
Alyssa Scott, Venicia Slotten

COURSE ABSTRACT:

Anthro 2AC is an introduction to the methods, goals, and theoretical concepts of archaeology. The field of archaeology is concerned with the study of past human societies based primarily on the material culture produced and used by people. For more than a century, archaeologists have been developing and refining a suite of methods for recovering and analyzing material cultural remains that have been deposited into the archaeological record. These material remains (artifacts, ecofacts, features, sites, etc.) often comprise a rather fragmentary, but nonetheless complex data base. This course explores how archaeologists employ these material remains to construct interpretations about past societies. Lecture topics will include discussions on the formation of the archaeological record; the history of archaeology; developing research designs; field methods (survey and excavation) for recovering and recording archaeological data; laboratory methods employed in the analysis of archaeological data; chronology; and generating interpretations about the past.

One of the themes that will be addressed throughout this course is the concept of “excluded pasts,” that is traditional histories written by the dominant culture that are often exclusionary in their accounts of ancient and recent peoples. Mainstream histories often exclude or present in a biased or distorted manner accounts of common or lower status families, members of minority groups, or individuals persecuted for religious, political or sexual persuasions. Until recently, archaeologists have tended to ignore most descendant communities in their research. Consequently, sensitive cultural materials were sometimes appropriated and placed in museums and curation facilities. As will be discussed in class, Native American scholars refer to this kind of archaeology as “scientific colonialism” or “imperial archaeology.” As a consequence of a growing backlash to these past practices, in combination with recent legislation involving the repatriation of material culture back to descendant communities, the field of archaeology is currently undergoing significant changes in its methods and practices as it attempts to become a more inclusive and collaborative science. The course will explore how archaeologists today are creating close working relationships with diverse stakeholders, participating in collaborative research teams, and undertaking educational outreach with the public.

Anthro 2AC will highlight an important goal of contemporary archaeology: the construction of alternative, pluralistic histories using multiple lines of evidence. Course lectures

and readings will consider how archaeology can provide a powerful methodology for constructing alternative histories of excluded peoples (and their encounters with dominant cultures) by examining the material culture of their daily practices. As we will see, the performance of daily routines produces patterned accumulations of material culture that are among the most interpretable kinds of deposits found in archaeological contexts. While most people may perceive these kinds of deposits as simply garbage or refuse collections, when analyzed by archaeologists they can provide critical insights about past people. The course examines how the archaeology of daily practice, when integrated with other sources of relevant information (oral traditions, oral histories, written records), provides the most powerful way to understand the past outside of a time machine.

The course will present case studies from California to highlight the potential of writing alternative histories about people with excluded pasts. The case studies will also highlight the benefits and challenges of working with diverse stakeholders and descendant communities in contemporary California. Case studies will focus on the archaeology of Native Californians (e.g., the Kashaya Pomo, Coast Miwok, Amah Mutsun Tribal Band), Hispanic and Euro-American colonial settlements, and recent Hippy communes (late 1960s).

PREREQUISITES: None

COURSE REQUIREMENTS:

Three exams required (two midterms and a final exam) and a short research paper (3-5 pages, typed, double space). The format of the final and midterm exams is a combination of multiple choice, identification, and essay questions. Participation in weekly discussion sections is mandatory. **Each student is responsible for signing up for a discussion section listed in the Schedule of Classes.** The final grade will be based on participation in the discussion section (20%), the two midterm exams (20% each), the final exam (30%), and short research paper (10%). The purpose of the research paper is to have students select an archaeological site or place in the greater San Francisco Bay Area or somewhere in California (or outside California if approved by your GSI) that will be the focus of archival/library research. Students will identify reports and publications written about the site, read a sample of the available literature, visit the site (if possible), and write up their observations in a 3-5 page paper (due in the last GSI section of the semester). If you are late turning in your research paper then you will be docked significant points for every day it is late.

DISCUSSION SECTIONS:

Students must sign up for a discussion section or risk being dropped from the course. Discussion sections are an important component of the course and you are expected to attend them. Discussion section assignments must be turned in on time to receive full credit. You will be docked points for every day your GSI assignments are late. Remember that performance in the discussion sections will count for 20% of your final grade.

SPECIAL NOTE:

Please note that **no make-up exams will be given in this class.** Please take a look at the exam dates and plan your schedule for the semester so that you will be here for each exam (that is, **do not buy** an airline ticket to go home until after the final exam). If you have a legitimate

scheduling problem, then please bring it to the attention of your Graduate Student Instructor or instructor within the first two weeks of class so that arrangements can be made ahead of time for you. A very, very rare exception to the “no make-up exam” policy may be made if arrangements are made **prior** to the exam and a valid doctor’s note excusing you from the exam is presented to the instructor. Also note that questions about the grading of exams can be brought to the attention of your Graduate Student Instructor **only** within one week after the exam has been handed back to you. In other words, you have one week to look over the exam to make sure that it is correctly graded. After the week is over, no changes will be made in the point scores for any exams.

REQUIRED TEXTBOOKS:

Ashmore, Wendy and Robert J. Sharer
2014 *Discovering Our Past: A Brief Introduction to Archaeology*. (6th edition)
Mayfield Publishing Co., Mountain View, California.

Additional journal articles and book chapters required for the semester are available on the Anthro 2AC bCourse site.

COURSE OUTLINE:

I. Introduction

Jan 23 Introductory Remarks

II. Why Study Archaeology?

Jan 25 Archaeology Defined
Excluded Pasts: Ancient History (Prehistory)
Jan 28 Excluded Pasts: Recent History
Historical Archaeology, Archaeology of Colonialism
Selective Representation of Past
Jan 30 Biases of Historical Record
Contemporary Perspectives
The Archaeology of Hippies
Feb 1 Case Study: Rathje’s Garbage Project
Study of Cultural Change, Micro and Macro scales
Historical Anthropology
Feb 4 Stewardship of the Past, Public Education
Cultural Resource Management (CRM)
Work with Local Communities

III. Challenges of Studying Archaeological Materials

Feb 6 Archaeological Record: Differential Preservation
Contexts of Deposition
Feb 8 Introduce Archaeological Data
Recovery of Archaeological Remains
Feb 11 Recognition of Archaeological Remains
Sampling Issues, Formation Processes,
Feb 13 Dynamic Nature of Cultural Landscapes

Use and Reuse of Archaeological Places
Case Study: Prehistoric Shell Mounds of San Francisco Bay

IV. Archaeology and Contemporary Society

Feb 15 Stewards and Stakeholders,
Archaeology as a Colonialist Enterprise (Scientific Colonialism)
Repatriation, NAGPRA; Collaboration with stakeholders

Feb 18 President's Day (No Class)

Feb 20 Collaborative Archaeology, Indigenous Archaeology

V. History of Archaeology

Feb 22 Practice of American Archaeology (1900-1920)

Feb 25 Culture History Approach (1920-1960)

Feb 27 Processual Archaeology (1960-1980)

Mar 1 FIRST MIDTERM EXAM

Mar 4 New Developments (1960-1980)

Mar 6 Postprocessual Archaeology (1980-2018)

Mar 8 Summary of History of Archaeology

VI. Research Design

Mar 11 Problem-Oriented Research
Relevancy of Archaeology to our Contemporary World
Cultural Resource Management
Reasons for Research Design (Ethical Issues, Public Outreach)

Mar 13 Variation and Flexibility in Research Designs
Stages of the Research Design
Formulation, Implementation

Mar 15 Research Design Case Study: Duncan Village

Mar 18 Summarizing the Research Design,
Rethinking Archaeological Methods

Mar 20 Low-Impact Field Methods

VII. Data Acquisition: Field and Museum Research

Mar 22 Regional Surveys (Macro-Scale)
Multi-Phased Field Strategy, Surface and Subsurface Survey
Geophysical Survey, Field Decisions, Sampling Considerations

Mar 25-29 SPRING BREAK (No Class)

April 1 Introduction to Excavation (Micro-Scale)
Formation Processes, Context

Matrix, Provenience, Association

- April 3 Excavation Steps (Penetrating, Clearing)
Excavation Methods; Low Impact Field Practices
- April 5 Case Study: Metini Village Project
- April 8 **SECOND MIDTERM**
- April 10 Case Study: Shell Mounds of San Francisco Bay
- April 12 *Society for American Archaeology Meetings (No Class)*
- April 15 Museum Research and Outreach, Mainstream Museums and Tribal Museums, Curation Crisis
- April 17 Issues Concerning Museum Research,
Case Study: Working with 100 Year Old Archaeology Collections,
Hearst Museum of Anthropology, UC Berkeley

VIII. Analysis and Interpretation

- April 19 Constructing Interpretations, Reflexive Methodology
Using Multiple Lines of Evidence, Inclusion of Oral Traditions in
Archaeological Research
- April 22 Decision Making in Laboratory Research
Classification
- April 24 Analysis of Artifacts, Ecofacts, and Features
- April 26 Analysis of Artifacts, Ecofacts and Features,
Study of Indigenous Landscape Management
- April 29 Chronology
- May 1 Analytical Approaches

IX. Conclusion

- May 3 Concluding Statement

X. Reading, Review, Recitation Week

May 6-10

XI. Final Exam

May 14 **FINAL EXAM; 3:00-6:00 pm**

REQUIRED READINGS

Jan 23 Introductory Remarks

Jan 25 Excluded Pasts: Ancient History (Prehistory)

Ashmore and Sharer 2014, Chap 1

Lightfoot, Kent and Otis Parrish

2009 Why California Indians Matter, pp. 2-13. In *California Indians and their Environment: An Introduction*. University of California Press, Berkeley, California.

Erlandson, Jon M. and Torben C. Rick

2015 The Kelp Highway and the First Californians. In *First Coastal Californians* edited by L. H. Gamble, pp. 9-14. SAR Press Santa Fe, New Mexico.

Jan 28 Excluded Pasts: Recent History

Deagan, Kathleen

1991 Historical Archaeology's Contributions to Our Understanding of Early America. In *Historical Archaeology in Global Perspective*, edited by L. Falk, pp. 97-112. Smithsonian Institution Press, Washington, D.C.

Lightfoot, Kent G.

2005 *Indians, Missionaries, and Merchants: The Legacy of Colonial Encounters on the California Frontiers*. University of California Press, Berkeley, California.

Read Pages 1-19.

Schneider, Tsim D. and Lee M. Panich

2014 Native Agency at the Margins of Empire: Indigenous Landscapes, Spanish Missions, and Contested Histories. In *Indigenous Landscapes and Spanish Missions: New Perspectives from Archaeology and Ethnohistory*, edited by L. M. Panich and T. D. Schneider, pp. 5-22. The University of Arizona Press, Tucson, Arizona

Jan 30 Contemporary Perspectives

Parkman, Breck

2011 Down With It: The Excavation of a California Hippie Commune. *Current Science* Jan 7, 2011

Fernandez, Elizabeth R. and Breck Parkman

2011 The Commune Era of Olompali: Challenging our Assumptions of the Hippie Lifestyles. *SCA Proceedings* 25:1-11.

Feb 1 Introduction to the Garbage Project

Rathje, William and Cullen Murphy

2001 *Rubbish! The Archaeology of Garbage*. The University of Arizona Press, Tucson. Chapter 1 (pp 3-29) and Chapter 3 (pp 53-78)

Feb 4 Stewardship of the Past, Public Education, Introduce CRM

Altshchul, Jeffrey H. and Thomas C. Patterson

2010 Trends in Employment and Training in American Archaeology. In *Voices in American Archaeology*, edited by W. Ashmore, D. T. Lippert and B. J. Mills, pp. 291-316. SAA Press, Washington, D.C.

Little, Barbara J. and Larry J. Zimmerman

2010 In the Public Interest: Creating a More Activist, Civically Engaged Archaeology. In *Voices in American Archaeology*, edited by W. Ashmore, D. T. Lippert and B. J. Mills, pp. 131-159. SAA Press, Washington, D.C.

Feb 6 Archaeological Record: Differential Preservation

Fagan, Brian

1994 The Makah Find their History. In *Quest for the Past: Great Discoveries in Archaeology*. (2nd edition), pp. 81-97. Waveland Press, Prospect Heights, Illinois.

Lightfoot, Kent G.

2005 Archaeology and Indians: Thawing an Icy Relationship. *News from Native California* 19(1): 37-39.

Feb 8 Recovery of Archaeological Remains, Kinds of Archaeological Data

Ashmore and Sharer 2014, Chap 4, pp 60-65

Hyder, William and Georgia Lee

2015 Chumash Paintings on Stone. In *First Coastal Californians*, edited by L. H. Gamble, pp. 89-95. SAR Press, Santa Fe, New Mexico.

Feb 11 Recognition of Archaeological Remains

Jones, Terry L.

2015 Steinbeck Country Before Steinbeck. In *First Coastal Californians* edited by L. H. Gamble, pp. 42-49. SAR Press Santa Fe, New Mexico.

Stewart, R. M.

2002 The Archaeological Record and the Recognition of Evidence (pp. 19-35). In *Archaeology: Basic Field Methods*. Kendall/Hunt Publishing Company, Dubuque

Feb 13 Dynamic Nature of Cultural Landscapes

Lightfoot, Kent G. and Edward M. Luby

2012 Mound Building by California Hunter-Gatherers. In *The Oxford Handbook of North American Archaeology*, edited by T. R. Pauketat, pp. 212-223. Oxford University Press, New York.

Schneider, Tsim D.

2015 Placing Refuge and the Archaeology of Indigenous Hinterlands in Colonial California. *American Antiquity* 80(4):695-713.

Feb 15 Stewards and Stakeholders, NAGPRA, Kennewick Man

Burke, Heather and Claire Smith

2008 Perspectives on the Ancient One. In *Kennewick Man: Perspectives on the Ancient One*, edited by H. Burke, C. Smith, D. T. Lippert, J. Watkins and L. J. Zimmerman, pp. 20-25. Left Coast PRes, Walnut Creek, California.

Rasmussen, Morten and et. al.

2015 The Ancestry and Affiliation of Kennewick Man. *Nature* 523(455-458).

Wilcox, Michael V.

2010 NAGPRA and Indigenous Peoples: The Social Context and Controversies, and the Transformation of American Archaeology. In *Voices in American Archaeology*, edited by W. Ashmore, D. T. Lippert and B. J. Mills, pp. 178-192. SAA Press, Washington, D.C.

Feb 20 Collaborative Archaeology and Indigenous Archaeology

Lightfoot, Kent G.

2005 Collaboration: The Future of the Study of the Past. *News from Native California* 19(2):28-31.

Silliman, Stephen W. and T.J. Ferguson

2010 Consultation and Collaboration with Descendant Communities. In *Voices in American Archaeology*, edited by W. Ashmore, D. T. Lippert and B. J. Mills, pp. 48-72. SAA Press, Washington, D.C.

Feb 22 Practice of American Archaeology

Kimmerer, Robin Wall

2013 *Braiding Sweetgrass: Indigenous Wisdom, Scientific Knowledge, and the Teachings of Plants*. Milkweed Editions, Minneapolis, Minnesota.
Read pages 39-59.

Ashmore and Sharer 2014, Chap 2

Feb 25 Culture History Approach (1920-1960)

Ashmore and Sharer 2014, Chap 3

Feb 27 Processual Archaeology (1960-1980)

Johnson, Matthew H.

2010 The "New Archaeology" (pp 12-34). In *Archaeological Theory: An Introduction*. Wiley-Blackwell, Oxford. 2nd Edition

March 1 FIRST MIDTERM EXAM

March 4 New Developments (1960-1980)

Johnson, Matthew H.

2010 Archaeology as Science (pp 35-49). In *Archaeological Theory: An Introduction*. Wiley-Blackwell, Oxford. 2nd Edition

March 6 Postprocessual Archaeology (1980-2017)

Johnson, Matthew H.

2010 Postprocessual and Interpretive Archaeologies (pp 102-121). In *Archaeological Theory: An Introduction*. Wiley Blackwell, Oxford. 2nd Edition

March 8 Summary of Three Approaches

Johnson, Mathew H.

2010 Archaeology and Gender (pp. 122-142). *Archaeological Theory: An Introduction*. Wiley Blackwell, Oxford. 2nd Edition

Ashmore and Sharer 2014, Chap. 9

March 11 Problem-Oriented Research, Making Archaeology Relevant

Braje, Todd J. and Torben C. Rick

2013 From Forest Fires to Fisheries Management: Anthropology, Conservation Biology, And Historical Ecology. *Evolutionary Anthropology* 22:303-311.

Stewart, R. M.

2002 Fieldwork: Motivations and Design (pp. 37-54). In *Archaeology: Basic Field Methods*. Kendall/Hunt Publishing Company, Dubuque, Iowa.

March 13 Stages of the Research Design

Ashmore and Sharer 2014, Chap 4, pp 79-85

Kintigh, Keith W., Jeffrey H. Altschul, Mary C. Beaudry, Robert D. Drennan, Ann P. Kinzig, Timothy A. Kohler, Fredrick W. Limp, Herbert Maschner, William K. Michener, Timothy R. Pauketat, Peter Peregrine, Jeremy A. Sabloff, Tony J. Wilkinson, Henry T. Wright, and Melinda A. Zeder

2014 Grand Challenges for Archaeology. *Proceedings of the National Academy of Science* 111(3):879-880.

March 15 Research Design Case Study: Duncan Village Project

Lightfoot, Kent G.

1984 *The Duncan Project: A Study of the Occupation Duration and Settlement Pattern of an Early Mogollon Pithouse Village*. Anthropological Field Studies No. 6. Office of Cultural Resource Management, Arizona State University, Tempe, Arizona. Read pp. 1-15.

March 18 Summarizing the Research Design, Rethinking Archaeological Methods

Lightfoot, Kent G.

2008 Collaborative Research Programs: Implications for the Practice of North American Archaeology. In *Collaborating at the Trowel's Edge: Teaching and Learning in Indigenous Archaeology*, edited by S. W. Silliman, pp. 211-227. University of Arizona Press, Tucson, Arizona.

March 20 Low-Impact Field Methods

Gonzalez, Sara L.

2016 Indigenous Values and Methods in Archaeological Practice: Low-Impact Archaeology through the Kashaya Pomo Interpretive Trail Project. *American Antiquity* 81(3):533-549.

Lightfoot, Kent G.

2006 Experimenting with Low-Impact Field Methods. *News from Native California* 19(4):16-19.

March 22 Survey Methods, Surface and Subsurface Survey, Field Decisions

Ashmore and Sharer 2014, Chap 4, pp 76-79; Chap 5, pp 86-101

Lightfoot, Kent G.

2006 Sensing Archaeology Under Our Feet: The Potential for Geophysical Survey in Native California. *News from Native California* 20(1):29-31, 37.

April 1 Excavation, Formation Processes, Archaeological Context

Ashmore and Sharer 2014, Chap 4, pp 65-75

April 3 Penetrating/Clearing Excavation

Ashmore and Sharer 2014, Chap 5, pp 101-123

April 5 Case Study: Metini Village

Lightfoot, Kent G. and Sara L. Gonzalez

2018 *Metini Village: An Archaeological Study of Sustained Colonialism. Volume 3, The Archaeology and Ethnohistory of Fort Ross, California*. Contributions of the University of California Archaeological Facility Archaeological Research Facility, Berkeley, California. READ pages 1-42, 139-143.

April 8 SECOND MIDTERM EXAM

April 10 Case Study: Shell Mounds of San Francisco Bay

Video on Shell Mounds

Dinkelspiel, Frances

2018 It's Developers vs Native Americans in Battle Over Berkeley Shellmound. *Berkeleyside*

Lightfoot, Kent G., Edward M. Luby, Rob Q. Cuthrell, Michael Grone, and Gabriel Sanchez

2018 New Insights from Legacy Collections: Revisiting CA-ALA-307, A Large California Shell Mound. Proposal Submitted to the National Science Foundation.

April 15 Museum Research, Tribal Museums

Erikson, P.

1999 A-Whaling We Will Go: Encounters of Knowledge and Memory at the Makah Museum. *Cultural Anthropology* 14(4):556-583.

Voss, Barbara L.

2012 Curation as Research. A Case Study in Orphaned and Underreported Collections. *Archaeological Dialogues* 19(2):145-169.

April 17 Issues Concerning Museum Research, Curation Crisis

Luby, Edward M., Kent G. Lightfoot and Victoria Bradshaw
 2013 Archaeological Curation and the Research Value of Archaeological Collections: A Case Study from California. *Collections: A Journal for Museum and Archives Professionals* 9(3):255-282.

Lightfoot, Kent G., Edward M Luby, and Gabriel M Sanchez
 2017 Monumentality in the Hunter-Gatherer-Fisher Landscapes of the Greater San Francisco Bay, California. *Hunter Gatherer Research* 3(1):65-85.

**April 19 Constructing Interpretations: Reflexive Methodology
 Using Multiple Lines of Evidence, Historical Anthropology**

Hodder, Ian

1999 Towards a Reflexive Method (Chap. 5, pp. 80-104). *The Archaeological Process: An Introduction*. Blackwell Publishers, Oxford.

Lightfoot, Kent G.

2006 California Colonial Histories: The Integration of Historical Documents, Native Oral Traditions, and Archaeology. In *Pedagogies of the Global*, edited by Arif Dirlik, pp. 255-271. Paradigm Publishers, Boulder, Colorado.

April 22 Decision Making in Laboratory Research

Ashmore and Sharer 2014, Chap 6

Echo-Hawk, Roger C.

2000 Exploring Ancient Worlds. In *Working Together: Native Americans and Archaeologists*, edited by K. E. Dongoske, M. Aldenderfer and K. Doehner, pp. 3-7. Society for American Archaeology, Washington, D.C.

April 24 Analysis of Artifacts, Ecofacts, and Features

Sanchez, Gabriel M., Kenneth Gobalet, Roberta A. Jewett, Rob Q. Cuthrell, Michael Grone, Paul Engel and Kent G. Lightfoot

2018 The Historical Ecology of Central California Coast Fishing: Perspectives from Point Reyes National Seashore. *Journal of Archaeological Science* 100:1-15.

Shackley, Steven

2001 The Stone Tool Technology of Ishi and the Yana of North Central California: Inferences for Hunter-Gatherer Cultural Identity in Historic California. *American Anthropologist* 102(40):693-712.

April 26 Analysis of Artifacts, Ecofacts, and Features

Cuthrell, Rob Q.

2013 Archaeobotanical Evidence for Indigenous Burning Practices and Foodways at CA-SMA-113. *California Archaeology* 5(2):265-290.

Lightfoot, Kent G., Rob Q. Cuthrell, Chuck J. Striplen and Mark G. Hylkema

2015 Managing the Land with Fire. In *First Coastal Californians* edited by L. H. Gamble, pp. 22-29. SAR Press Santa Fe, New Mexico.

April 29 Chronology

Ashmore and Sharer 2014, Chap 7

May 1 Analytical Approaches

Ashmore and Sharer 2014, Chap 8

May 3 Conclusion

Ashmore and Sharer 2014, Chap 10

May 14 FINAL EXAM