

Anthropology 557

**ARCHAEOLOGICAL THEORY AND METHOD**

***THE ARCHAEOLOGY OF LANDSCAPES***

Spring 2019

**PROFESSOR**

Dr. Clark Erickson

435 Penn Museum

[cerickso@sas.upenn.edu](mailto:cerickso@sas.upenn.edu)

215-898-2282

**DESCRIPTION**

Anth 557: *Archaeological Theory and Method: The Archaeology of Landscapes* (crosslisted as LALS-557 and AAMW-557) is a seminar for advanced undergraduate and graduate students.

This semester, the course "Seminar: Archaeological Theory and Method" is intended to be an in-depth survey of the *Archaeology of Landscapes* (or *Landscape Archaeology*) using readings and case studies from diverse fields such as ethnography, ethnoarchaeology, experimental archaeology, ethnohistory, archaeoastronomy, history, botany, agriculture, cultural geography, ecology, rural sociology, in addition to prehistoric and historical archaeology. Although taught by a faculty member of the Department of Anthropology, the course is appropriate for graduate and advanced undergraduate students of other departments. Some prior archaeological coursework is a prerequisite for this course. A general understanding of basic archaeological and anthropological concepts and archaeological fieldwork experience is also useful.

Traditionally, archaeological research has focused on the "site" or "sites." Regional investigation tends to stress settlement pattern and settlement system determined through archaeological site survey. This seminar will stress the space between the sites or "points" on the landscape. Most previous attempts at "landscape archaeology" tended to focus on the relationship of sites and the natural environment. This course will highlight the cultural, "anthropogenic," or "built environment"--in this case human modification and transformation of the natural landscape in the form of pathways, roads, causeways, monuments, walls, agricultural fields and their boundaries, gardens, astronomical and calendrical alignments, and water distribution networks. Features will be examined in terms of the "social logic" or formal patterning of cultural space. These can provide insights into indigenous structures such as measurement systems, land tenure, social organization, engineering, cosmology, calendars, astronomy, cognition, and ritual practices. Landscapes are also the medium for understanding everyday life, experience, movement, memory, identity, time, and historical ecology. Ethnographic, ethnohistorical, and archaeological case studies will be investigated from both the Old and New Worlds.

Because of the massive amount of material relating to the theme of Archaeology of Landscapes and the limited amount of time available during the semester, the course coverage will be selective rather than exhaustive.

The format of the seminar will be primarily discussion. For most class meetings, a series of articles and book chapters will be read, presented, and discussed. Relevant case studies will be presented by the professor. Students are expected to come to class prepared to discuss and debate the readings for each. Each participant will write a final seminar paper applying the landscape perspective to his/her own data.

### **CLASS MEETINGS**

Tuesdays & Thursdays 3:00 – 4:30, Room 328 Penn Museum.

### **OFFICE HOURS:**

Mondays 2:00-4:00pm, Room 436 Penn Museum. I will be available during office hours and after class if you have any questions regarding the course material, the department's program in anthropology, or archaeology in general. You can also see me by appointment if office hours conflict with your schedule.

### **ANTHROPOLOGY 557 ONLINE**

A Canvas website for this course can be found on the UPenn website on after signing in with your PennKey. This homepage will include on-line versions of the course description, syllabus, readings, handouts, updates on reading assignments and lectures, recent news items, announcements about on-campus seminars and lectures related to the seminar topics, and links to web sites. I recommend regularly checking the Announcements page for new and updated information. I encourage all students to explore the Web for additional information related to the Archaeology of Landscapes.

### **REQUIRED TEXTBOOKS**

I encourage you to order a copy of the Lansing textbook from Amazon, Barnes and Noble, or similar online bookstore or online in the UPENN Library. You can also use the 1991 first edition of the book.

Lansing, J. Stephen

2007 *Priests and programmers: technologies of power in the engineered landscape of Bali*.

Princeton University Press, Princeton (second edition). [Also available as an ebook in the Penn Library for online reading].

### **REQUIRED READINGS**

The required and recommended readings for *Anthropology 557: Archaeology of Landscapes* will be available as PDF files on as digital files (PDF) format on the Canvas website (with the exception of the Lansing textbook which you should order or read online). You will need Adobe Reader© software to view the files. I recommend updating the software to the latest version.

## REQUIRED SOFTWARE

**GOOGLE EARTH**© (3D digital world maps at high resolution). Download the free version of software program for *Google Earth Pro*© and install on your computer to use for finding and viewing archaeological landscapes from space in high resolution and 3D. You can download the free software and find information about the program at <http://earth.google.com/>

**BING MAPS**© (2D digital world maps at high resolution). Bing Maps provides images for many areas of the world with higher resolution and better definition of some landscape features than *Google Earth*. You can access the online program at <https://www.bing.com/maps> Bing Maps is similar to the World Imagery provided by ArcGIS (in case you use that program).

## REQUIRED READINGS

As upper level undergraduate and graduate level course, *The Archaeology of Landscapes* covers a wide variety of topics through readings. I expect students do the readings and come prepared to discuss them in class. One textbook has been assigned. In addition to the textbook, a number of important articles and chapters relevant to the Archaeology of Landscapes are required reading (see Detailed Syllabus below for reading schedule). The non-textbook required readings are available as PDF files on the Canvas site for ANTH 557 under the folder “Course Documents” arranged by date as individual folders). The reading syllabus may be periodically updated throughout the semester (regularly check “Announcements” on Canvas for ANTH 557).

## SEMINAR PAPERS

Each participant of the seminar will be required to write a major research paper on a topic of the student's choice relating to the Archaeology of Landscapes. I must approve each student's topic. Please select a topic early in the semester and begin your research and writing soon afterwards. The dates for an introductory essay defining the Archaeology of Landscapes, the seminar paper outline, completed draft version, and final version of the paper are listed in the Reading Syllabus (below). A schedule of in-class discussions of each paper will be set by mid-semester. Discussants will present the seminar papers on the last class meetings. The seminar research paper will be prepared according to the following schedule.

### **Friday, February 22, 2019**

#### Title and Abstract for Paper

Students will prepare and turn in a tentative title and 300-word abstract of the seminar paper. The research topic must be pre-approved by the professor.

### **Friday, March 1, 2019**

#### Revised Abstract and 5-10 page double spaced essay on Definition of the Archaeology of Landscapes

Students will prepare and turn in a 5-10 page essay on the Archaeology of Landscapes (discussing definitions of landscapes and other important concepts, boundaries of the field, issues of scale, methods and theory, and relevant bibliography, plus a revised 300 word abstract of the seminar paper). This abstract and essay will be incorporated into the student's seminar paper as an introductory statement.

**Monday, March 18, 2019**                      Detailed Outline and Bibliography of the seminar paper.  
Students will prepare a detailed outline and bibliography for the seminar paper.

**Friday, April 1, 2019**                      Revised and updated essay on Definition of the  
Archaeology of Landscapes  
Students will revise and update their essay on Definition of the Archaeology of Landscapes (with relevant seminar readings up to March 31).

**Monday, April 22, 2019**                      Submission of Seminar Paper for Discussion (for papers  
presented on Thursday, April 25, 2019)

**Friday, April 26, 2019**                      Submission of Seminar Paper for Discussion (for papers  
presented on Thursday, April 30, 2019)

A "complete as possible" presentation version of the seminar paper is due on April 22 or April 26 for in class presentation and discussion on April 25 or April 30. Each student is responsible for providing digital copies (2 files in Word format: 1) file with the Text and 2) file with the Figures) to all seminar participants. A "designated discussant" will be assigned to each paper. All papers should be read by all students who will provide detailed comments and suggestions to the author.

**Thursday, April 25, 2019**                      Formal Presentations & Discussion of Seminar Paper

**Tuesday, April 30, 2019**                      Formal Presentations & Discussion of Seminar Paper

A "designated discussant" will be assigned to each paper. The designated discussant's job is to present a brief, concise summary of the seminar paper and a critical evaluation/review of the paper (approximately 10-15 minutes). Following the discussant's presentation, the author will address issues and questions raised by the discussant. Afterwards, the discussion of each paper is open to all seminar participants and professor.

**Friday, May 10, 2019**                      Final Version of the Seminar Paper

Each seminar participant must give the authors prompt feedback (preferably written comments and/or Track Changes) on their presentation versions of seminar papers (which can include general editing comments, corrections on spelling, additional references, major and minor critiques of content and figures, etc.). Based this constructive criticism, a final version of the paper is prepared and submitted. After reading and comments by the professor, students will have a chance to further revise if needed.

Seminar paper abstract, text, formatting, and references cited must use the style guide of the journal American Antiquity (see online style guide at [www.saa.org](http://www.saa.org) click on "Publications" and "Guide for Authors"). Drafts and Final Papers should be double-spaced and use 12pt font.

## **GRADING**

Grading will be based on participation in discussions of the readings (20%), performance as a formal discussant of a peer's draft seminar paper ("designated discussant") and written critiques of peers' draft papers (10%), and final write-up of a seminar paper (70%). The presentation draft of the research paper must be submitted by the deadline or the seminar schedule will be seriously

disrupted.

### **ACADEMIC INTEGRITY**

Students should be familiar with and respect the Academic Code of Integrity of the University of Pennsylvania. Any cheating or plagiarism in this course will be dealt with severely. Please see the Penn websites below for definitions of what constitutes plagiarism and cheating and how to avoid them:

Academic Code of Integrity:

<https://catalog.upenn.edu/pennbook/code-of-academic-integrity/>

Plagiarism - What it is and how to avoid it:

<http://gethelp.library.upenn.edu/guides/engineering/ee/plagiarize.html>

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**SUMMARY SYLLABUS**

- January 17:** INTRODUCTION TO THE SEMINAR
- January 22:** THE ARCHAEOLOGY OF SITES & THE SITE CONCEPT
- January 24:** THE ARCHAEOLOGY OF LANDSCAPES: INTRODUCTION
- January 29:** LANDSCAPE CONCEPT & HISTORY OF LANDSCAPE STUDY
- January 31:** HISTORICAL ECOLOGY, SCALE, BOUNDARY, & LANDSCAPE DYNAMICS
- February 5:** HISTORICAL ECOLOGY & DOMESTICATION OF LANDSCAPES
- February 7:** THE EXPERIENCED LANDSCAPE I
- February 12:** THE EXPERIENCED LANDSCAPE II
- February 14:** THE EXPERIENCED LANDSCAPE III
- February 19:** COMPLEX LANDSCAPES & LANDSCAPES OF POWER
- February 21:** PLACES, SOCIAL SPACE, SACRED LANDSCAPES, MOUNDS, MEGALITHS, IDENTITY, & MEMORY  
*Title and Abstract for Paper due Friday, February 22, 2019.*
- February 26:** SOUNDSCAPES
- February 28:** LANDSCAPES & RELATIONAL ONTOLOGIES  
*Revised Abstract and 5-10 page double spaced essay on Definition of the Archaeology of Landscapes due Friday, March 1, 2019 (day before Spring Break).*
- March 5:** SPRING BREAK (no class)

- March 7:** SPRING BREAK (no class)
- March 12:** GARDENS, FIELDS, VERNACULAR LANDSCAPES, AGRARIAN HOUSEHOLDS, & COMMUNITIES I
- March 14:** GARDENS, FIELDS, VERNACULAR LANDSCAPES, AGRARIAN HOUSEHOLDS, & COMMUNITIES II  
*Detailed Outline and Bibliography of Seminar Paper due on Monday, March 18.*
- March 19:** GARDENS, FIELDS, VERNACULAR LANDSCAPES, AGRARIAN HOUSEHOLDS, & COMMUNITIES III
- March 21:** LANDESQUE CAPITAL
- March 26:** LANDSCAPES OF MOVEMENT: PATHS, TRAILS, & ROADS I
- March 28:** LANDSCAPES OF MOVEMENT: PATHS, TRAILS, & ROADS II  
*Revised essay on Definition of the Archaeology of Landscapes due Friday, April 1, 2019.*
- April 2:** LANDSCAPES OF MOVEMENT: NETWORKS, TERRITORIES, & INTEGRATION
- April 4:** SACRED, RITUAL, AND COSMIC LANDSCAPES, AXIS MUNDI, ALIGNMENTS, ORIENTATIONS, & BODY METAPHORS I
- April 9:** SACRED, RITUAL, AND COSMIC LANDSCAPES, AXIS MUNDI, ALIGNMENTS, ORIENTATIONS, & BODY METAPHORS II
- April 11:** SAA MEETINGS (Class cancelled)
- April 16:** ARCHAEOASTRONOMY AND LANDSCAPE CALENDARS
- April 18:** CONSERVATION & MANAGEMENT OF CULTURAL LANDSCAPES AS WORLD HERITAGE I
- April 23:** CONSERVATION & MANAGEMENT OF CULTURAL LANDSCAPES AS WORLD HERITAGE II
- April 25:** STUDENT PRESENTATIONS
- April 30:** STUDENT PRESENTATIONS
- May 10:** *Final Version of Revised Seminar Paper due on Friday, May 10, 2019.*

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**DETAILED SYLLABUS**

**January 17:** INTRODUCTION TO THE SEMINAR

**January 22:** THE ARCHAEOLOGY OF SITES & THE SITE CONCEPT

Stanish, Charles 1997 [Excerpts] *Archaeological Survey in the Juli-Desaguadero Region of Lake Titicaca Basin, Southern Peru*. Fieldiana Anthropology, New Series no. 29, Field Museum of Natural History, Chicago [pp. 8-33]. [[skim read](#)]

Feinman, Gary M 2015 Settlement and Landscape Archaeology. In *International Encyclopedia of the Social & Behavioral Sciences*, 2nd edition, 21:654-658. Elsevier, [[skim read](#)]

Dunnell, Robert C. 1992 The Notion Site. In *Space, Time, and Archaeological Landscapes*, edited by Jacqueline Rossignol and LuAnn Wandsnider, pp. 21-41. Plenum Press, New York.

Fotiadis, Michael 1992 Units of Data as Deployment of Disciplinary Codes. In *Representations in Archaeology*, edited by Jean-Claude Gardin and Christopher Peebles, pp. 132-148. Indiana U. Press, Bloomington.

OPTIONAL

Banning, E. B. 2002 *Archaeological Survey*, Kluwer Academic/Plenum, New York. CC76.3 .B36 2002

Collins, James M. and Brian L. Molyneaux 2003 *Archaeological Survey*, Alta Mira Press. CC76.3 .C65 2003

White, Gregory G., and Thomas F. King 2007 *The Archaeological Survey Manual* (Walnut Creek, CA: Left Coast Press). CC76.3 .W458 2007

King, Thomas F. 1978 *The Archaeological Survey: Its Methods and Uses* Washington, D.C.: Interagency Archaeological Services, Department of the Interior. PDF

**January 24:** THE ARCHAEOLOGY OF LANDSCAPES: INTRODUCTION

Deetz, James 1990 Landscapes as Cultural Statements. In *Earth Patterns: Essays in Landscape Archaeology*, edited by William M. Kelso and Rachel Most, pp. 1-4. University Press of Virginia, Charlottesville.



Knapp, A. Bernard, and Wendy Ashmore 1999 Archaeological Landscapes: Constructed, Conceptualized, Ideational. In *Archaeologies of Landscape: Contemporary Perspectives*, edited by W. Ashmore and A. Bernard Knapp, pp. 1-32. Blackwell, Oxford.

OPTIONAL

Wilkinson, T. J. 2004. The Archaeology of Landscape. In *The Blackwell Companion to Archaeology*, edited by John Bintliff, pp. 334-356. Blackwell, Oxford.

David, Bruno and Julian Thomas, Eds. 2008 Landscape Archaeology: An Introduction. In *Handbook of Landscape Archaeology*, edited by David Bruno and Julian Thomas, pp. 27-43. Left Coast Press, Walnut Creek, CA.

**January 29:** LANDSCAPE CONCEPT & HISTORY OF LANDSCAPE STUDY

Stilgoe, John R. 2015 Introduction. In *What is landscape?* Cambridge, MA, MIT Press [pp. 1-16].

Meinig, D. W. 1979 The Beholding Eye: Ten Versions of the Same Scene. In *The Interpretation of Ordinary Landscapes: Geographical Essays*, edited by D. W. Meinig and John Brinckerhoff Jackson, pp. 1-9. New York: Oxford University Press. [[skim read](#)]

Turner, Sam 2012 Landscape Archaeology. In *The Routledge Companion to Landscape Studies*, edited by Peter Howard, Ian Thompson, and Emma Waterton, pp. 131-143. Routledge, New York.

Olwig, Kenneth Robert 2002 *Landscape, Nature, and the Body Politic: From Britain's Renaissance to America's New World*. University of Wisconsin Press, Madison. [Introduction, Chapter 2, & Conclusions]. [[skim read](#)]

OPTIONAL

Patterson, Thomas C. 2008 The History of Landscape Archaeology in the Americas. In *Handbook of Landscape Archaeology*, edited by David Bruno and Julian Thomas, pp. 77-84. Left Coast Press, Walnut Creek, CA.

**January 31:** HISTORICAL ECOLOGY, SCALE, BOUNDARY, & LANDSCAPE DYNAMICS

Crumley, Carole and William H. Marquardt 1990 Landscape: A Unifying Concept in Regional Analysis. In *Interpreting Space: GIS and Archaeology*, edited by Kathleen Allen, Stanton Green and Ezra Zubrow, pp. 73-79. Taylor and Francis, London.

Crumley, Carole L. 1994 Historical Ecology: A Multidimensional Ecological Orientation. In *Historical Ecology: Cultural Knowledge and Changing Landscapes*, edited by Carole Crumley, pp. 1-16. School of American Research, Santa Fe.

Kirch, Patrick 2005 Archaeology and Global Change: The Holocene Record. *Annual Review of*

*Environment and Resources* 2005. 30:409–40. [skim read]

van der Leeuw, Sander and Charles L. Redman 2002 Placing Archaeology at the Center of Socio-Natural Studies. *American Antiquity* 67(4):597-605.

OPTIONAL

Bailey, Geoff 2008 Time perspectivism: origins and consequences. In *Time in Archaeology: Time Perspectivism Revisited*, edited by Simon Holdaway and Luann Wandsnider, pp. 13-20. Utah University Press, Salt Lake City

Lawrence, D. S. and S. M. Low 1990 The Built Environment and Spatial Form. *Annual Review of Anthropology* 19:453-505.

**February 5:** HISTORICAL ECOLOGY & DOMESTICATION OF LANDSCAPES

Denevan, William M. 1992 The Pristine Myth: The Landscapes of the Americas in 1492. *Association of American Geographers* 82(3):369-385.

Balée, William and Clark L. Erickson 2005 Introduction: Time and Complexity in Historical Ecology. In *Time and Complexity in Historical Ecology: Studies from the Neotropical Lowlands*, edited by William Balée and Clark Erickson, pp. 1-20. Columbia University Press, New York.

Erickson, Clark 2006 The Domesticated Landscapes of the Bolivian Amazon. In *Time and Complexity in Historical Ecology: Studies in the Neotropical Lowlands*, edited by William Balée and Clark Erickson, pp. 235-278. Columbia University Press, New York,

OPTIONAL

Balée, William 2006 The Research Program of Historical Ecology. *Annual Review of Anthropology* 35: 75-98

Hayashida, Frances 2005 Archaeology, Ecological History, and Conservation. *Annual Review of Anthropology* 34: 43–65.

Erickson, Clark L. 2014 Amazonia: The Historical Ecology of a Domesticated Landscape. In *The Social Lives of Forests*, edited by S. Hecht, K. Morrison, and C. Padoch, pp. 199-214. University of Chicago Press, Chicago.

**February 7:** THE EXPERIENCED LANDSCAPE I

Anschuetz, Kurt L., Richard H. Wilshusen, and Cherie Scheick 2001 An Archaeology of Landscapes: Perspectives and Directions. *Journal of Archaeological Research* 9(2):157-211.

Ingold, Tim 1993 The Temporality of the Landscape. *World Archaeology* 25(2):152-174.

Zedeño, Maria Nieves and Brenda Bowser 2009 Archaeology of Meaningful Places. In *The Archaeology of Meaningful Places*, edited by Brenda Bowser and Maria Nieves Zedeño, pp. 1-14. University of Utah Press, Salt Lake City

Keller, Angela 2009 A Road by any other Name: Trails, Paths, and Roads in Maya Language and Thought. In *Landscapes of Movement: Trails, Paths, and Roads in Anthropological Perspective*. Edited by James Snead, Clark Erickson, and Andrew Darling, pp. 133-157. Penn Museum Press, Philadelphia. [[Skim article as example of landscape methodological approach](#)]

Stahl, Ann B. 1993 Concepts of Time and Approaches to Analogical Reasoning in Historical Perspective. *American Antiquity* 58(2):235-260.

#### OPTIONAL

Whittlesey, Stephanie 2009 Mountains, Mounds, and Meaning: Metaphor in the Hohokam Cultural Landscape. In *The Archaeology of Meaningful Places*, edited by Zedeño and Brenda Bowser, pp. 73-98. University of Utah Press, Salt Lake City.

Van Dyke, Ruth M. and Susan E. Alcock 2003 Archaeologies of Memory: an Introduction. In *Archaeologies of Memory*, edited by Ruth M. Van Dyke and Susan E. Alcock, pp. 1 – 14. Blackwell, Oxford & Malden, Mass.

Colwell-Chanthaphonh, Chip, and T. J. Ferguson 2006 Memory Pieces and Footprints: Multivocality and the Meanings of Ancient Times and Ancestral Places among the Zuni and Hopi. *American Anthropologist* 108(1):148-162.

Ashmore Wendy 2004. Social Archaeologies of Landscape. In *A Companion to Social Archaeology*, edited by Lynn Meskell and Robert Preucel, pp. 255-271. Blackwell, Oxford.

Ashmore, Wendy 2008 Visions of the Cosmos: Ceremonial Landscapes and Civic Plans. In *Handbook of Landscape Archaeology*, edited by David Bruno and Julian Thomas, pp. 167-175. Left Coast Press, Walnut Creek, CA.

#### **February 12:** THE EXPERIENCED LANDSCAPE II

Tilley, Christopher 1994 Chapter 1: Space, Place, Landscape, and Perception: Phenomenological Perspectives; Chapter 2: The Social Construction of Landscape in Small-Scale Societies: Structures of Meaning, Structures of Power. In *A Phenomenology of Landscape: Places, Paths and Monuments*. Berg, Oxford [pp. 7-70].

Tilley, Christopher 2008 Landscape Phenomenology. In *Handbook of Landscape Archaeology*, edited by David Bruno and Julian Thomas, pp. 271-276. Left Coast Press, Walnut Creek, CA.

#### **February 14:** THE EXPERIENCED LANDSCAPE III

Also start reading Lansing textbook for Thursday 2/19/2019

Johnson, Matthew 2012 Phenomenological Approaches in Landscape Archaeology. *Annual Review of Anthropology* 41:269–84

Brück, Joanna 1998 In the footsteps of the ancestors: a review of Tilley's A phenomenology of landscape: places, paths and monuments. *Archaeological Review from Cambridge* 15 (1):23-36.

Lekson, Stephen 1996 Landscape with Ruins: Archaeological Approaches to Built and Unbuilt Environments (review article). *Current Anthropology* 37(5) 37, 886–892.

Barrett, John C., and Ko, Lhong 2009 A Phenomenology of Landscape: A Crisis in British Landscape Archaeology. *Journal of Social Archaeology* 9:275–294.

OPTIONAL

Tilley, Christopher 2004 Chapter 1: From Body to Place in Landscape. A Phenomenological Perspective. In *The Materiality of Stone: Explorations in Landscape Phenomenology*. Berg, Oxford (pp. 1-31).

**February 19:** COMPLEX LANDSCAPES OF RELIGION, PRODUCTION, & POWER

Lansing, J. Stephen 2007 *Priests and programmers: technologies of power in the engineered landscape of Bali*. Princeton University Press, Princeton. [Read entire book]

Lansing, J. Stephen 2007 Preface [new Preface updating the 2001 version if that is what you read]. In *Priests and programmers: technologies of power in the engineered landscape of Bali*. Princeton University Press, Princeton.

Ministry of Culture and Tourism of the Republic of Indonesia 2011 *Cultural Landscape of Bali Province Nomination for inscription on The UNESCO World Heritage List*. The Ministry of Culture and Tourism of the Republic of Indonesia, The Government of Bali Province [[skim read](#)]

OPTIONAL

Lansing, J. Stephen 2006 Introduction. *Perfect Order: Recognizing Complexity in Bali*. Princeton University Press, Princeton.

Lansing, J. Stephen, and James N. Kremer 1993 Emergent Properties of Balinese Water Temple Networks: Coadaptation on a Rugged Fitness Landscape. *American Anthropologist* 95:97-114.

Lansing, J. Stephen, Sean S. Downey, Marco Janssen, and John Schoenfelder 2009 A Robust Budding Model of Balinese Water Temple Networks. *World Archaeology* 41(1): 112–133.

Vernon L. Scarborough, John W. Schoenfelder and J. Stephen Lansing 2000 Early Statecraft on Bali: The Water Temple Complex and the Decentralization of the Political Economy. *Research in Economic Anthropology* 20:299-330.

**February 21:** PLACES, SOCIAL SPACE, SACRED LANDSCAPES, MOUNDS, MEGALITHS, IDENTITY, & MEMORY

**Title and Abstract for Paper due Friday, February 22, 2019.**

Bradley, Richard 1993 Epilogue: The Afterlife of Monuments. In *Altering the Earth: The Origins of Monuments in Britain and Continental Europe* (Monograph Series 8), Edinburgh: Society of Antiquaries of Scotland, pp. 113-129.

Bradley, Richard 1993 Chapter 5: The Logic of Monument Building. In *Altering the Earth: The Origins of Monuments in Britain and Continental Europe* (Monograph Series 8), Edinburgh: Society of Antiquaries of Scotland, pp. 91-112. [[skim read](#)]

Llobera, M. 2007 Reconstructing Visual Landscapes. *World Archaeology* 39(1): 51-69.

**February 26:**           SOUNDSCAPES

Primeau, Kristy E. and David E. Witt 2018 Soundscapes in the past: Investigating sound at the landscape level. *Journal of Archaeological Science: Reports* 19:875–885

Meddens, Frank and Millena Frouin 2011 Inca Sacred Space, Platforms and Their Potential Soundscape. Preliminary Observations at Usnu from Ayacucho. *Revista Haucaypata* 1(1):24-40.

Hill, John 2007 Prehistoric surveyors – measured landscapes. *Antiquity* 81(312) June.

**February 28:**           LANDSCAPES & RELATIONAL ONTOLOGIES

**Revised Abstract and 5-10 page double spaced essay on Definition of the Archaeology of Landscapes due on **Friday, March 1, 2019** (day before Spring Break).**

Virtanen, Pirjo Kristiina and Sanna Saunaluoma 2017 Visualization and Movement as Configurations of Human–Nonhuman Engagements: Precolonial Geometric Earthwork Landscapes of the Upper Purus, Brazil. *American Anthropologist* 119(4):614–630.

Kosiba, Steve and R. Alexander Hunter 2017 Fields of conflict: A political ecology approach to land and social transformation in the colonial Andes (Cuzco, Peru), *Journal of Archaeological Science* 84:40-53. [[skim read](#)]

**March 5:**                SPRING BREAK (no class)

**March 7:**                SPRING BREAK (no class)

**March 12:**            GARDENS, FIELDS, VERNACULAR LANDSCAPES, AGRARIAN HOUSEHOLDS, & COMMUNITIES I

Gleason Kathryn L. 1994 To Bound and to Cultivate: An Introduction to the Archaeology of Gardens and Fields. In *The Archaeology of Garden and Field*, edited by Naomi Miller and Kathryn Gleason, pp. 1-24. University of Pennsylvania Press, Philadelphia,

Robin, Cynthia and Nan Rothschild 2002 Archaeological Ethnographies: Social Dynamics of Outdoor Space. *Journal of Social Archaeology* 2(2):159-171.

Robin, Cynthia 2002 Outside of Houses: The Practices of Everyday Life at Chan Noohol, Belize.

*Journal of Social Archaeology* 2(2):245-267.

Farahani, Alan, Katherine L. Chiou, Anna Harkey, Christine A. Hastorf, David L. Lentz, and Payson Sheets 2017 Identifying “plantscapes” at the Classic Maya village of Joya de Cerén, El Salvador. *Antiquity* 91(358):980–997 [[skim read](#)].

**March 14:** GARDENS, FIELDS, VERNACULAR LANDSCAPES, AGRARIAN HOUSEHOLDS, COMMUNITIES II

**Detailed Outline and Bibliography of Seminar Paper due on Monday, March 18.**

Historic England 2017 *Understanding the Archaeology of Landscapes*. 2nd edition. Swindon. Historic England.

Crow, J. and S. Turner 2010 Unlocking historic landscapes in the Eastern Mediterranean: two pilot studies using Historic Landscape Characterisation. *Antiquity* 84(323):216-229.

Eiselt, B. Sunday, J. Andrew Darling, Samuel Duwe, Mark Willis, Chester Walker, William Hudspeth, and Leslie Reeder-Meyers 2017 A Bird’s-eye View of Proto-Tewa Subsistence Agriculture: Making the Case for Floodplain Farming in the Ohkay Owingeh Homeland, New Mexico. *American Antiquity* 82(2):397-413.

Johnston, Robert 2005 A Social Archaeology of Garden Plots in the Bronze Age of Northern and Western Britain. *World Archaeology* 37(2):211-223.

OPTIONAL

Erickson, Clark L. 2019 The Domesticated Landscapes of the Andes. In *The Andean World*, edited by Linda J. Seligmann and Kathleen Fine-Dare, pp. 29-43. Routledge Press, New York.

**March 19:** GARDENS, FIELDS, VERNACULAR LANDSCAPES, AGRARIAN HOUSEHOLDS, COMMUNITIES III

Wernke, Stephen A. 2007 Negotiating Community and Landscape in the Peruvian Andes: A Transconquest View. *American Anthropologist* 109(1):130–152.

Dye, T. S. 2014 Structure and Growth of the Leeward Kohala Field System: An Analysis with Directed Graphs. *PLoS ONE* 9(7):e102431. [[skim read](#)]

Franklin, Kathryn and Emily Hammer 2018 Untangling Palimpsest Landscapes in Conflict Zones: A “Remote Survey” in Spin Boldak, Southeast Afghanistan. *Journal of Field Archaeology* 43(1):58-73. [[skim read](#)]

OPTIONAL

Hammer, Emily 2014 Local landscape organization of mobile pastoralists in southeastern Turkey. *Journal of Anthropological Archaeology* 35:269–288.

Fleming, Andrew 2007 [excerpts] *The Dartmoor Reaves: Investigating Prehistoric Land Divisions*. (second edition) Oxford, Windgather Press.

### **March 21:** LANDESQUE CAPITAL

Brookfield, H. 2001 Intensification, and Alternative Approaches to Agricultural Change, *Asia Pacific Viewpoint*, 42(2-3), 181-192.

Widgren, Mats and N. Thomas Håkansson 2014 Introduction: Landesque Capital: What is the Concept Good For? In *Landesque Capital: The Historical Ecology of Enduring Landscape Modifications*. edited by N. Thomas Håkansson and Mats Widgren, pp. 9-30. Left Coast Press, Walnut Creek.

Doolittle, William 2014 Economics and the Process of Making Farmland In *Landesque Capital: The Historical Ecology of Enduring Landscape Modifications*, edited by N. Thomas Håkansson and Mats Widgren, pp. 31-48. Left Coast Press, Walnut Creek.

Morrison, Kathleen 2014 Capital-esque Landscapes: long-term Histories of enduring landscape modifications. In *Landesque Capital: The Historical Ecology of Enduring Landscape Modifications*, edited by N. Thomas Håkansson and Mats Widgren, pp. 49-74. Left Coast Press, Walnut Creek.

#### OPTIONAL

Sen, A.K. 1968 *Choice of techniques. An aspect of theory of planned economic development*. Oxford: Blackwell. (3rd edition).

Brookfield, H.C. 1984 Intensification revisited. *Pacific Viewpoint* 25: 15–44.

Blaikie, P. and Brookfield, H.C. 1987 *Land Degradation and Society*. London and New York: Methuen.

Brookfield, H. 2001 *Exploring agrobiodiversity, Perspectives in biological diversity series*, New York: Columbia University Press.

### **March 26:** LANDSCAPES OF MOVEMENT: PATHS, TRAILS, & ROADS I

Snead, James, Clark Erickson, and Andrew Darling editors 2009 Making Human Space: The Archaeology of Trails, Paths, and Roads. In *Landscapes of Movement: Trails, Paths, and Roads in Anthropological Perspective*, edited by James Snead, Clark Erickson, and Andy Darling, pp. 1-19. Penn Museum Press and the University of Pennsylvania Press, Philadelphia.

Schmidt, Morgan J. Landscapes of Movement in Amazonia: New Data from Ancient Settlements in the Middle and Lower Amazon. *Papers of the Applied Geography Conferences*, Volume 35 (2012); 355 – 364.

#### OPTIONAL

Erickson, Clark L. 2009 Agency, Roads, and the Landscapes of Everyday Life in the Bolivian Amazon. In *Landscapes of Movement: Trails, Paths, and Roads in Anthropological Perspective*, edited by James Snead, Clark Erickson, and Andy Darling, pp. 204-231. Penn Museum Press and the University of Pennsylvania Press, Philadelphia.

**March 28:** LANDSCAPES OF MOVEMENT: PATHS, TRAILS, & ROADS II  
Revised and updated essay on Definition of the Archaeology of Landscapes due **Friday, April 1, 2019**

Sofaer, Anna, Michael Marshall, and Rolf Sinclair 1989 The Great North Road: A Cosmographic Expression of the Chaco Culture of New Mexico. In *World Archaeoastronomy*, edited by Anthony Aveni, pp. 365-376. Cambridge University Press, Cambridge.

Kantner, John 1997 Ancient Roads, Modern Mapping: Evaluating Chaco Anasazi Roadways using GIS Technology. *Expedition* 39(3):49-62. [plus image file].

Snead, James 2009 Trails of Tradition: Movement, Meaning, and Place. In *Landscapes of Movement: Trails, Paths, and Roads in Anthropological Perspective*. Edited by James Snead, Clark Erickson, and Andrew Darling, pp. 42-60. Penn Museum Press, Philadelphia.

OPTIONAL

Snead, James 2002 Ancestral Pueblo Trails and the Cultural Landscape of the Pajarito Plateau, New Mexico. *Antiquity* 76(293):756-765.

**April 2:** LANDSCAPES OF MOVEMENT: NETWORKS, TERRITORIES, & INTEGRATION

Smith, Monica 2005 Networks, Territories, and the Cartography of Ancient States. *Annals of the Association of American Geographers* 95(4):832–849.

White, Devin A. and Sarah B. Barber 2012 Geospatial modeling of pedestrian transportation networks: a case study from precolumbian Oaxaca, Mexico. *Journal of Archaeological Science* 39(8): 2684-2696. [[skim read](#)]

Supernant, Kisha 2017 Modeling Metis mobility? Evaluating least cost paths and indigenous landscapes in the Canadian west. *Journal of Archaeological Science* 84:63-73.

OPTIONAL

Alcock, S. E., J. Bodel and R. J. A. Talbert Eds. 2012 *Highways, Byways, and Road Systems in the Pre-Modern World*. Wiley-Blackwell.

Knappett, Carl ed. 2013 *Network Analysis in Archaeology: New Approaches to Regional Interaction*, Oxford: Oxford University Press;

White, Devin and Sarah Surface-Evans 2012 *Least Cost Analysis of Social Landscapes*. University of Utah Press. Salt Lake City.



**April 4:** SACRED, RITUAL, AND COSMIC LANDSCAPES, AXIS MUNDI, ALIGNMENTS, ORIENTATIONS, & BODY METAPHORS I

Glowacki, Mary and Michael Malpass 2003 Water, Huacas, and Ancestor Worship: Traces of a Sacred Wari Landscape. *Latin American Antiquity* 14(4):431-448.

Aveni, Anthony F. and Helaine Silverman 1991 Between the Lines: Reading the Nazca Markings as Rituals Writ Large. *The Sciences* 31(4):36-43.

Janusek, John 2016 Processions, Ritual Movements, and the Ongoing Production of Pre-Columbian Societies with a Perspective from Tiwanaku. *Processions in the Ancient Americas*, Penn State University Occasional Papers in Anthropology No. 33 (2016): 1-26.

OPTIONAL

Urton, Gary 1990 Andean Social Organization and the Maintenance of the Nazca Lines. In *The Lines of Nazca*, edited by Anthony Aveni, pp. 175-206. American Philosophical Society, Philadelphia.

Bradley, Richard 2000 *An Archaeology of Natural Places*. Routledge, London.

**April 9:** SACRED, RITUAL, AND COSMIC LANDSCAPES, AXIS MUNDI, ALIGNMENTS, ORIENTATIONS, & BODY METAPHORS II

Snead, James and Robert Preucel 1999 The Ideology of Settlement: Ancestral Keres Landscapes in the Northern Rio Grande. In *Archaeologies of Landscape: Contemporary Perspectives*, edited by W. Ashmore and A. Bernard Knapp, pp. 169-200. Blackwell, Oxford.

Van Dyke, Ruth 2017 Sacred Geographies. In *The Oxford Handbook of Southwest Archaeology* Edited by Barbara Mills and Severin Fowles, Oxford University Press, Oxford.

Fowles, Severin 2009 The Enshrined Pueblo: Villagescape and Cosmos in the Northern Rio Grande. *American Antiquity* 74(3):448-466.

OPTIONAL

Van Dyke, Ruth 2007 Chapter 1: Introduction. In *The Chaco Experience Landscape and Ideology at the Center Place*. School of American Research, Santa Fe.

Van Dyke, Ruth 2007 Chapter 9: Lived Landscapes. In *The Chaco Experience Landscape and Ideology at the Center Place*. School of American Research, Santa Fe, pp. 237-253.

**April 11:** SAA MEETINGS (Class cancelled)

**April 16:** ARCHAEOASTRONOMY AND LANDSCAPE CALENDARS

Connolly, David 2016 *Archaeoastronomy for Archaeologists*. Guide 43. BAJR Series.

Ghezzi, Iván and Clive L. N. Ruggles 2011 The social and ritual context of horizon astronomical observations at Chankillo. *Proceedings of the International Astronomical Union 7:S278*:144-153.

Johanson, Chris and Bernard Frischer 2008 Digital Model of the Inca Sanctuary of the Sun. In *Beyond Illustration: 2D and 3D Digital Technologies as Tools for Discovery in Archaeology*, Edited by Bernard Frischer and Anastasia Dakouri-Hild, pp. 299-315. BAR International Series 1805, Archaeopress, Oxford.

#### OPTIONAL

Magli, Giulio 2016 *Archaeoastronomy: Introduction to the Science of Stars and Stones*. Springer, Cham, Switzerland.

Aveni Anthony J. 2001 *Skywatchers: a revised and updated version of Skywatchers of Ancient Mexico*. University of Texas Press, Austin.

Fabian, Stephen Michael 2001 *Patterns in the Sky: an introduction to Ethnoastronomy*. Waveland, MS: Prospect Heights.

#### **April 18:** CONSERVATION & MANAGEMENT OF CULTURAL LANDSCAPES AS WORLD HERITAGE I

Cleere, Henri 1995. Cultural landscapes as World Heritage. *Conservation and Management of Archaeological Sites* 1:63–8.

Cleere, Henri 1996 The concept of ‘outstanding universal value’ in the World Heritage Convention. *Conservation and Management of Archaeological Sites* 7(4):227-233.

#### ASSIGNED READINGS (15 MINUTE SUMMARY)

I have assigned each of you an edited volume about the conservation, management, and value of cultural landscapes as world heritage. Please read your assigned volume and select some of the most interesting content to present in class. The volumes appear long and dense, but much of the page space is taken up by graphics, maps, and figures rather than text. I suggest focusing on definitions, concepts, key issues, the pros and cons of conservation, sustainable conservation-management-development, and a few case studies of what works and what doesn't work. Much of the reading will overlap with that of the other students. Be sure to read the two articles assigned to everyone (both by Cleere) and be prepared to discuss them. If you have time, skim the other edited volumes and optional documents.

Individual students will be assigned one of the readings below for presentation

Mitchell, Nora, Mechtild Rössler, Pierre-Marie Tricaud, Eds. 2009 *World Heritage Cultural Landscapes: A Handbook for Conservation and Management*. World Heritage Papers 26. UNESCO World Heritage Centre, Paris.

Fowler, Peter J. 2003 *World Heritage Cultural Landscapes 1992-2002*. World Heritage Papers 6, UNESCO World Heritage Centre, Paris.

UNESCO 2003 *Cultural Landscapes: the Challenges of Conservation*. World Heritage Papers 7, UNESCO World Heritage Centre, Paris.

UNESCO 2003 *Linking Universal and Local Values: Managing a Sustainable Future for World Heritage*. World Heritage Series n°13, UNESCO, Paris.

Fowler, P. 2004 *Landscapes for the World: Conserving a Global Heritage*. Macclesfield (UK), Windgather Press.

**April 23:** CONSERVATION & MANAGEMENT OF CULTURAL  
LANDSCAPES AS WORLD HERITAGE II

Submission of Seminar Paper for Discussion (for papers presented on Thursday, April 25, 2019) due **Monday, April 22, 2019**.

Submission of Seminar Paper for Discussion (for papers presented on Thursday, April 30, 2019) due **Friday, April 26, 2019**.

ASSIGNED READINGS (15 MINUTE SUMMARY)

Individual students will be assigned one of the readings below for presentation

Rössler, M. and Saouma-Forero, G., Eds. 2000. *The World Heritage Convention and Cultural Landscapes in Africa*. UNESCO, Paris.

The Ministry of Culture and Tourism of the Republic of Indonesia 2011 *Cultural Landscape of Bali Province: UNESCO World Heritage Proposal*. The Government of Bali Province, Indonesia.

Johnston, S., J. Morison, R. Stringer, P. Mickan, M. Salver, G. Sarre and J. Tagliaferri 2012 *Exploring UNESCO World Heritage Site listing for the Mount Lofty Ranges agrarian landscape*, University of Adelaide, Adelaide.

Agnoletti, Mauro ed. 2006 *The Conservation of Cultural Landscapes*. CABI, Oxfordshire.

UNESCO 2014 *Engaging Local Communities in Stewardship of World Heritage*. World Heritage Papers 40, Paris: UNESCO World Heritage Centre.

ICOMOS 2015 *Cultural Landscapes: A Working Bibliography*. ICOMOS-IFLA, Wien Nurnberg.

OPTIONAL

Erickson, Clark L. 2003 Agricultural Landscapes as World Heritage: Raised Field Agriculture in Bolivia and Peru. In *Managing Change: Sustainable Approaches to the Conservation of the Built Environment*, edited by Jeanne-Marie Teutonico and Frank Matero, pp. 181-204. Getty Conservation Institute, Los Angeles.

Cook, Robert 1996 Is Landscape Preservation an Oxymoron? *The George Wright Forum* 13(1):42-53.

**April 25:** STUDENT PRESENTATIONS

**April 30:** STUDENT PRESENTATIONS

**May 10:** Final Version of Revised Seminar Paper due on **Friday, May 10, 2019.**