Anthropology 433

ANDEAN ARCHAEOLOGY

Fall 2005

Professor Clark L. Erickson

OFFICE: Room 435 (4th floor), University Museum

OFFICE HOURS: Tuesdays 3:00-5:00pm and Fridays 2:00-4:00pm; 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. Messages can be left in my mailbox in Department of Anthropology or contact me by email.


E-MAIL: Professor Erickson cerickso@sas.upenn.edu
I encourage you to contact us by email if you have questions or need further information regarding the course assignments or readings.

ANTHROPOLOGY 433 ONLINE: A copy of this syllabus can be found at the University of Pennsylvania Courseweb (Blackboard) site for on-line courses [still under construction]. This website will include graphics, digital images, updates on the course syllabus, additional bibliographic readings, news related to the course, and schedules of lectures, conferences, and symposia relating to Andean Archaeology. The site also includes links to other on-line websites of interest to students this course. I also encourage all students to explore the incredible resources in English and Spanish about Andean Archaeology on the Internet.

CLASS LECTURES: Tuesdays and Thursdays 12:00 – 1:30 pm, Room 330, University Museum.

REQUIRED TEXTBOOK: The text book will be available for purchase at A House of Our Own Bookstore, 3920 Spruce Street, Philadelphia, PA 19104, tel.(215) 222-1576.

Moseley, Michael E.

ADDITIONAL REQUIRED READINGS: All non-textbook readings are available on-line on the Courseweb (Blackboard) website as PDF format files (https://courseweb.library.upenn.edu/). You will need Adobe Acrobat Reader (free) to download and read them. Originals of all of these readings can be found in the books and journals of the Museum Library.

REQUIRED MAP: Please obtain at least one (1) of the following from family or relative's collection of NG; other detailed atlas maps may be used if the NGS maps are not available.

*National Geographic Society Map(s)*
1972  Map "South America" *National Geographic* 142(4) Oct.
1982  Map "Indians/Archaeology of South America" *National Geographic* 161(3) March.
1992  Map "South America" *National Geographic* 182(2) August.
2000  Map “The Incas” *National Geographic* 201(8) May.

COURSE CONTENT:

This course provides a basic survey of the prehistory of civilizations in the Central Andean Region of South America (the highland and coastal areas that today are part of Peru and Bolivia). Emphasis will be placed on the following cultures and periods: the Preceramic, Chavín, Paracas, Pukara, Moche, Nazca, Wari, Tiwanaku, Chimú, and Inca. Topics include the history of South American archaeology, peopling of the continent, origins and evolution of agriculture, early village life, ceremonial and domestic architecture, prehistoric art and symbolism, Andean cosmology and astronomy, indigenous technology, the historical ecology of landscapes, outside contacts and relationships, economics and trade, social and political structure, state formation and urbanism, and early contacts with Europeans. The focus is on the recent archaeological investigations and interpretations combined with appropriate analogy from ethnohistory and ethnography. The prehistory of the Amazonian lowlands and "the intermediate area" of northern South America will be covered in other courses.

Slides and several films will be used to illustrate concepts and sites presented in lecture. I generally do not stop the lecture to spell terminology, although periodically you will be provided handouts with lists of important terminology. Questions and comments are encouraged and may be asked before, during, or after lectures. I will also make use of artifacts from the extensive South American collections of the University of Pennsylvania Museum of Archaeology and Anthropology. On those days, we may meet in the collection rooms of the Penn Museum instead of in our regular classroom. Grading is based on 2 exams, a short object research paper, and class participation in discussions of readings.

PREREQUISITES:
Because this is a 400-level course for undergraduates and graduate students, a basic understanding of anthropological concepts and terms, especially those of socio-cultural anthropology and archaeology, is required. All readings will be in English and knowledge of Spanish is not necessary (although reading ability in Spanish may be useful for readings pertaining to the object study).

REQUIRED READINGS:

There are many reading assignments for this course. In addition to the Moseley textbook, a number of important articles and chapters on Andean Archaeology are required reading (see the Detailed Syllabus below for reading schedule). The textbook is available from House of Our Own Bookstore. The other required readings are available as PDF files on the Blackboard (Courseweb) site for the course (https://courseweb.library.upenn.edu/). Readings are arranged in chronological order and by main author’s last name under the “Course Documents” button on the ANTH 433 website.

GRADING:

Grades will be based on 2 exams (a 2 hour midterm and a 2 hour final) and a short writing assignment (30% midterm exam, 30% final exam, 30% written assignment, and 10% participation in discussions of the readings). The student will be responsible for material presented in the lecture, readings, slide presentations, tours of the collections, and films/videos.

Examinations: The exams will be primarily long and short essay questions, with some brief identifications and definitions and map identifications. The final exam will not be cumulative, that is, it will only cover material presented after the midterm exam, although you will have to be familiar with the concepts and terminology presented earlier in the semester. There will be an in-class short review/questions session before each exam if necessary. Please note that the Midterm Exam is on Tuesday, October 25 (in class; 12:00-1:30 pm) and the Final Exam is on Friday, December 16 from 9:00-11:00am.

Written Assignment: Each student will be assigned an archaeological object(s) from the collections of the American Section of the Penn Museum and responsible for writing a short paper (5-15 pages) describing, analyzing, and interpreting the object(s). The papers will be edited and published on a website about Andean artifacts at the Penn Museum. We will discuss the writing assignment in detail later in the semester.

I will be available during office hours on Tuesdays 3:00 – 5:00pm and Fridays 2:00 - 4:00 pm, if you have any questions regarding the course material, or archaeology in general. I also would appreciate your comments, and will be happy to make appointments for other times if my office hours conflict with your schedule. I regularly read and answer E-mail.
### SUMMARY COURSE SYLLABUS

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 8</td>
<td>Introduction to Course</td>
</tr>
<tr>
<td>September 13</td>
<td>Cultural and Physical Geography; Chronology; Short History of South American Archaeology;</td>
</tr>
<tr>
<td>September 15</td>
<td>The Concept of &quot;Andean;&quot; The Roots of Prehispanic Andean Society</td>
</tr>
<tr>
<td>September 20</td>
<td>Peopling of the Continent. Life after the Ice Age</td>
</tr>
<tr>
<td>September 22</td>
<td>Domestication of Plants and Animals</td>
</tr>
<tr>
<td>September 27</td>
<td>Real Alto and Valdivia Culture, Andean Highland and Tropical Forest Interaction, Prece-ramic Monumentality</td>
</tr>
<tr>
<td>September 29</td>
<td>Initial Period U-Shaped Temples and the Rise of Complex Society</td>
</tr>
<tr>
<td>October 4</td>
<td>Chavin and the Early Horizon;</td>
</tr>
<tr>
<td>October 6</td>
<td>Dumbarton Oaks Conference, Mexico City (class cancelled)</td>
</tr>
<tr>
<td>October 11</td>
<td>Paracas and Nazca Cultures of the Early Intermediate Period</td>
</tr>
<tr>
<td>October 13</td>
<td>The Nazca Lines and the Sacred Landscapes of Sajama</td>
</tr>
<tr>
<td>October 18</td>
<td>Fall Break</td>
</tr>
<tr>
<td>October 20</td>
<td>Moche Culture of the Early Intermediate Period</td>
</tr>
<tr>
<td>October 25</td>
<td><strong>MIDTERM EXAM</strong> (in class)</td>
</tr>
<tr>
<td>October 27</td>
<td>Andean Pilgrimage; Film &quot;In the Footsteps of Taytacha&quot;</td>
</tr>
</tbody>
</table>
November 1:    Pachacamac, an Andean Ceremonial Center
November 3:  Early Cultures of the Lake Titicaca Basin and Cuzco
November 8:   The Expansionist Empires: Tiwanaku
November 10:  The Expansionist Empires: Wari
November 15:  Andean Cultural Landscapes
November 17:  The Chimú Empire of the Late Intermediate Period
November 22:  The Aymara Kingdoms of the Late Intermediate Period
November 24:  Thanksgiving Holiday
November 29:  The Origins of the Inca Empire
December 1:   American Anthropological Association Meetings (class cancelled)
December 6:   The Inca Empire
December 8:   The Colonial Experience and Andean Peoples Today
December 16:  **FINAL EXAM** (Friday 9:00-11:00am in classroom)

Please Note:
The reading syllabus is subject to change.
Anthropology 433

ANDEAN ARCHAEOLOGY

Fall 2005
Dr. Clark L. Erickson

DETAILED COURSE SYLLABUS

September 8: Introduction to Course

September 13: Cultural and Physical Geography; Chronology; Short History of South American Archaeology

Moseley Text: Chapters 1-2: pp. 7-50


September 15: The Concept of "Andean;" The Roots of Prehispanic Andean Society

Moseley Text: Chapter 2: pp. 51-85


September 20: Peopling of the Continent. Life after the Ice Age

Moseley Text: Chapter 4: pp. 87-106


**September 22: Domestication of Plants and Animals, Khipus: Knotted String Records**

Moseley Text: pp. 107-117


Mann, Charles 2003 Cracking the Khipu Code *Science* 300:1650-1651


**September 27: Preceramic Monumentality, Andean Highland and Tropical Forest Interaction**

Moseley Text: Chapter 5 pp. 107-129


Optional:

Sandweiss, Daniel and Michael Moseley 2001 Amplifying Importance of New Research in Peru,


September 29: Initial Period U-Shaped Temples and the Rise of Complex Society

Moseley Text: pp. 131-158


October 4: Chavín and the Early Horizon

Moseley Text: pp. 163-171


October 6: Dumbarton Oaks Conference, Mexico City (class cancelled)

October 11: Paracas and Nazca Cultures of the Early Intermediate Period

Moseley Text: pp. 160-162; 196-203

October 13: The Nazca Lines and the Sacred Landscapes of Sajama


October 18: Fall Break

October 20: Moche Culture of the Early Intermediate Period

Moseley Text pp. 173-207, 223-230


Bourget, Steve 2005 Who were the priests, the Warriors, and the prisoners? A peculiar problem of identity in Moche Culture and Iconography, North Coast of Peru. IN Us and Them: Archaeology and Ethnicity in the Andes. Edited by Richard Reycraft, Cotsen Institute of Archaeology, Monograph 53, UCLA, Los Angeles, pp. 73-85.


October 25: MIDTERM EXAM (in class)

October 27: Andean Pilgrimage; Film "In the Footsteps of Taytacha"


November 1: Pachacamac, an Andean Ceremonial Center

Moseley Text pp. 67 (cargos); 68; 169, 196-197; 258-261

Silverman (see October 11) pp. 229-231 only
November 3:  Early Cultures of the Lake Titicaca Basin and Cuzco

Moseley Text: pp. 154-160;


November 8: The Expansionist Empires: Tiwanaku

Moseley Text: pp. 208-222, 238-243


November 10: The Expansionist Empires: Wari

Moseley Text: pp. 223-238


November 15: Andean Cultural Landscapes

Moseley text: pp 276-278

**November 17:** The Chimú Empire of the Late Intermediate Period

Moseley Text: pp. 258-275


**November 22:** The Aymara Kingdoms of the Late Intermediate Period

Moseley Text: pp. 245-258


**November 24** Thanksgiving Holiday

**November 29:** The Origins of the Inca Empire

Moseley Text: pp. 51-85


**December 1:** American Anthropological Association Meetings (class cancelled)

**December 6:** The Inca Empire

Moseley Text 1-17; Chapter 3 skim


**December 8: The Colonial Experience and Andean Peoples Today**


**December 16: FINAL EXAM** (Friday 9:00-11:00am in classroom)

**Please Note:**
The reading syllabus is subject to change.
Anthropology 433

ANDEAN ARCHAEOLOGY

Fall 2005
Dr. Clark L. Erickson

Readings

D’Altroy, Terence N.

Isbell, William

Salomon, Frank and George Urioste (translators)

Jennings, Justin

Dillehay, Thomas

Dillehay, Thomas and David Meltzer

Marshall, Eliot

Sandweiss, Daniel et al.
Quilter, Jefrey, Bernardino Ojeda, Deborah Pearsall, Daniel Sandweiss, John Jones, and Elizabeth Wing

Mann, Charles
2003 Cracking the Khipu Code *Science* 300:1650-1651

Mann, Charles

Pringle, Heather

Mann, Charles

Hass, Jonathan, Winnifred Creamer, and Alvaro Ruiz


Sandweiss, Daniel and Michael Moseley

Haas, Jonathan and Winifred Creamer

Sandweiss, Daniel and Michael Moseley

Haas, Jonathan and Winifred Creamer


Pozorski, Shelia and Thomas Pozorski

Burger, Richard
Burger, Richard

Lathrap, Donald W.


Silverman, Helaine

Silverman, Helaine and Donald Proulx

Frame, Mary

Quilter, Jeffrey

Alcalde, Cristina

Bourget, Steve
2005 Who were the priests, the Warriors, and the prisoners? A peculiar problem of identity in Moche Culture and Iconography, North Coast of Peru. IN Us and Them: Archaeology and Ethnicity in the Andes. Edited by Richard Reycraft, Cotsen Institute of Archaeology, Monograph

Boytner, Ran

Hastorf, Christine

Kolata, Alan

Stanish, Charles

Janusek, John

Isbell, William H.

Isbell, William and Alexei Vranich

Nash, Donna and Patrick Ryan Williams

Erickson, Clark
2000 The Lake Titicaca Basin: A Pre-Columbian Built Landscape. IN *Imperfect Balance*:

Shimada, Izumi

Browman, David L.

Arkush, Elizabeth and Charles Stanish

Covey, R. Alan

Wachtel, Nathan

Costin, Cathy

McEwen, Colin and Maarten Van de Guchte

Abercrombie, Thomas

Abercrombie, Thomas
1998 Chapter 6: Colonial Relandscaping of Andean Social Memory. IN Pathways of Memory and Power: Ethnography and History among an Andean People. University
RECENT BOOKS, EDITED VOLUMES, CLASSICS, REFERENCE MATERIALS, AND BIBLIOGRAPHIES:

Aldenderfer, Mark S.  

Albarracín-Jordan, Juan  

Alva, Walter and Christopher Donnan  

Aveni, Anthony F.  
2000 Between the lines: the mystery of the giant ground drawings of ancient Nasca, Peru. University of Texas Press, Austin.

Aveni, Anthony editor  

Bauer, Brian S.  

Bauer, Brian S. and David S. P. Dearborn  

Bauer, Brian S.  

Bauer, Brian S.  

Bauer, Brian S. and Charles Stanish.

Bawden, Garth

Boone, Elizabeth Hill ed.

Bruhns, Karen

Burger, Richard

Burger, Richard L. and Lucy C. Salazar eds.

Cummins, Thomas

D'Altroy, Terence

D'Altroy, T. and C. Hastorf eds.
2001  Empire and Domestic Economy. New York : Kluwer Academic/Plenum Publisher.

D'Altroy, Terence

Denevan, William M.

Dillehay, Thomas D. ed.
1989  Monte Verde: A Late Pleistocene Settlement in Chile 1: Paleoenvironment and Site Context. Smithsonian Institution Press, Washington DC.

Dillehay, Thomas D. ed.
1997  Monte Verde: A Late Pleistocene Settlement in Chile. 2: The Archaeological Context. Smithsonian Institution Press, Washington, DC.
Dillehay, Thomas D.

Donnan, Christopher ed.

Donnan, Christopher

Dover, Robert V. H., Katharine E. Seibold, and John H. McDowell editors

Dransart, Penny ed.

Erickson, Clark L.
   1996   Investigación Arqueológica del Sistema Agrícola de los Camellones en la Cuenca del Lago Titicaca del Perú. PIWA, Centro de Información para el Desarrollo, La Paz, Bolivia.

Gaspirini, G. and L. Margolies

Haas, Jonathan, Shelia Pozorski, and Thomas Pozorski eds.

Hadingham, Evan

Hastorf, Christine A.

Hastorf, C. A.(ed)
Hemming, John  

Hemming, John and Edward Rainey  

Hyslop, John  

Hyslop, John  

Isbell, William  

Isbell, William and Gordon F. McEwan editors  

Janusek, John  

Jennings, Jesse ed.  
1983  *Ancient South Americans*. W. Freeman, San Francisco.

Kaulicke, Peter ed.  

Keatinge, Richard W. ed.  

Kolata, Alan L.  

Kolata, Alan L. ed.  

Kolata, Alan L. editor  

Lanning, Edward
1967 Peru Before the Incas. Englewood-Cliffs, NJ.

Lathrap, Donald W.
1970 The Upper Amazon. Thames and Hudson, London.

Lavellée, Daniéle

Lumbreras, Luis
1974 The Peoples and Cultures of Ancient Peru. Smithsonian Institute Press, Washington D.C.

Malpass, Michael A. ed.

Malpass, Michael

Masuda, Shozo, Craig Morris, and Izumi Shimada, eds.

McEwan, Gordon

Minelli, Laura Laurencich ed.

Moore, Jerry

Moseley, Michael C.

Moseley, M. E. and K. C. Day eds.
Murra, John V.  
1980  *The Economic Organization of the Inca State*. J.A.I. Press, 

Murra, John V., Nathan Wachtel, and Jacques Revel eds.  

Parssinen, Martti  

Pasternosto, Cesar  

Patterson, Thomas C.  

Paul, Anne ed.  

Pillsbury, Joanne editor  

Piperno, Dolores and Deborah Pearsall  

Quilter, J. and G. Urton eds.  

Parsons, J. and C. Hastings  
2001  *Settlement Patterns in the Upper Mantaro and Tarma Drainages, Junin, Peru*. 

Rice, Don Stephen editor  

Raymond, J. Scott and Richard L. Burger editors  
2003  *Archaeology of Formative Ecuador*. Dumbarton Oaks Research Library and
Reycraft, Richard editor 
2005 *Us and Them: Archaeology and Ethnicity in the Andes*. Edited by Richard Reycraft, 
Cotsen Institute of Archaeology, Monograph 53, UCLA, Los Angeles.

Rostworowski de Diez Canseco, Maria 

Rostworowski de Diez Canseco, Maria and Michael E. Moseley eds. 
Research Library and Collection, Washington DC.

Rostworowski de Diez Canseco, María. 
*History of the Inca realm*. translated by Harry B. Iceland. Cambridge University Press, 
Cambridge.

Salomon, Frank 

Salomon, Frank 
Durham.

Salomon, Frank and Stuart Schwartz eds. 

Schreiber, Katharina J. 
1992 *Wari Imperialism in Middle Horizon Peru*. Anthropological Papers no. 87, 
Museum of Anthropology, University of Michigan, Ann Arbor.

Shimada, Izumi 
1994 *Pampa Grande and the Mochica Culture*. University of Texas Press, Austin.

Silverblatt, Irene 
1987 *Moon, Sun, and Witches: Gender Ideologies and Class in Inca and Colonial Peru*. 

Silverman, Helaine 

Silverman, H. and W. Isbell eds

Silverman, H. and W. Isbell, eds

Silverman, Helaine, ed.

Stanish, Charles

Stanish, Charles

Stanish, Charles, Amanda Cohen, and Mark Aldenderfer editors

Steward, Julian ed.

Stone-Miller, Rebecca

Townsend, Richard editor

Uhle, Max, 1856-1944.

Urton, Gary

Urton, Gary

Vaughn, Kevin, Dennis Ogburn, and Christina Conlee editors

Von Hagen, Adriana and Craig Morris

Young-Sanchez, Margarett editor

Wachtel, Nathan

Willey, Gordon

Wilson, David J.

Winterhalder, Bruce P. and R. Brook Thomas

Wright, R. and A. Valencia

Zuidema, R. Tom

Zuidema, R. Tom
BIBLIOGRAPHY:

D'Altroy, Terence N.

Burger, Richard L.

Stanish, Charles

Stanish, Charles

SELECTED JOURNALS AND PERIODICALS THAT COVER ANDEAN ARCHAEOLOGY:

Allpanchis (Cuzco)
American Antiquity
Andean Past
Antiquity
Archaeology
American Anthropologist
Baessler-Archiv
Boletín del Instituto Frances de Estudios Andinos
Boletín del Museo Nacional de Arqueología y Antropología, Lima
Boletín de Lima (Lima)
Chungara (Tarapacá)
Current Anthropology
Dialogo Andino (Tarapacá)
Discovering Archaeology
Expedition
Gaceta de Arqueológica Andina (Lima)
Journal of Field Archaeology
Journal de la Société de Américanistes de Paris
Latin American Antiquity
National Geographic Research
Nawpa Pacha
Pumapunku (La Paz)
RECENT ANDEAN ETHNOGRAPHIES:

Allen, Catherine
1988  The Hold Life Has: Coca and Cultural Identity in an Andean Community.  
       Smithsonian Institute Press, Washington D.C.

Bastien, Joseph W.
1987  Healers of the Andes: Kallawaya Herbalists and Their Medicinal Plants. 
       University of Utah Press, Salt Lake City.

Bastien, Joseph W.
       Waveland Press, Prospect Heights, Il.

Bolin, Inge
       University of Texas Press, Austin.

Bolton, Ralph and Enrique Mayer eds.
       Publication no. 7, Washington D.C.

Brush, Stephen
1977  Mountain, Field, and Family: The Economy and Human Ecology of an Andean 

Denevan, William M.
2001  Cultivated Landscapes of Native Amazonia and the Andes.  Oxford University Press, 
       Oxford.

Dransart, Penelope
2002  Earth, Water, Fleece and Fabric: A Long-term ethnography of camelid herding in the 

Flannery, Kent V., Joyce Marcus, and Robert G. Reynolds
1989  The Flocks of the Wamani: A Study of Llama Herders on the Punas of

Flores Ochoa, Jorge

Gade, Daniel

Gelles, Paul H.

Guillet, David W.

Isbell, B. J.

Mayer, Enrique

Meyerson, Julia

Morales, Edmundo

Orlove, Benjamin

Sallnow, Michael J.

Saloman, Frank and George L. Urioste eds. and translators

Trawick, Paul

Urton, Gary

Urton, Gary

Urton, Gary
Computer Database Sources for Bibliography on Andean Archaeology:

Computer bibliographic searches are easy using Franklin, RLIN, and other online databases [see Museum and Van Pelt librarians for more information on how to use these search capabilities].

Penn's Franklin:  http://www.franklin.library.upenn.edu/
Other Penn Databases:  http://www.library.upenn.edu/resources/catalogs/catalogs.html

Many important articles from archaeological journal can be directly downloaded from the Web using Adobe Acrobat
Anthropology and Archaeology electronic journals:  http://www.library.upenn.edu/resources/ ej/ ej- anthropology.html

Andean Archaeology on the Internet and the World Wide Web:

There are hundreds of web sites dedicated to archaeology. Many of these sites have information on Andean Archaeology or links to information. I often use the following sites for up to date information on archaeology:
Museo Nacional de Arqueología (La Paz, Bolivia)  http://www.bolivian.com/arqueologia/galeria.html
Museo Nacional de Arqueología, Antropología e Historia del Perú:  http://mnaah.pericultural.org.pe/ ceram.htm
Museo del Sitio de Pachacamac, Peru:  http://wpro.com/pachacamac/  Andean Archaeology Links:  http://home.earthlink.net/~perusource/Archaeology_Links.html
In Search Of Cultures Past: Cuzco, The Sacred Valley, And The Inka Trail:  http://www.he.net/~archaeol/online/features/peru/index.html
Exploring Chavin de Huantar: Archaeologist John Rick's virtual tour of an early Andean
Ceremonial Center http://www.stanford.edu/~johnrick/chavin_wrap/index.html

Return of a Stolen Cultural Treasure to Peru: case study of looting of Moche sites in Peru, the international smuggling of gold objects, an FBI sting operation, and the return of a gold "backflap" to its home in Peru (U. of Pennsylvania Museum)


Society for American Archaeology: http://www.saa.org;