

Anthropology 254

Archaeology of the Incas

Spring 2007

PROFESSOR:

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DESCRIPTION: Anth 254: *Archaeology of the Incas* (cross listed as Latin American Studies LTAM 254: *Archaeology of the Incas*. 1 unit. Undergraduate Lecture Course; May be counted towards the General Requirement in History & Tradition (all classes); May be counted towards Cross-Cultural Analysis Requirement (Class of 2010 and after)

The Inca created a vast and powerful South American empire in the high Andes Mountains that was finally conquered by Spain. Using Penn's impressive Museum collections and other archaeological, linguistic, and historical sources, this course will examine Inca religion and worldview, architecture, sacred temples, the capital of Cuzco, ritual calendar, ceque system, textiles, metalworking, economic policies and expansionist politics from the dual perspectives of Inca rulers and their subjects. Our task is to explain the rise, dominance, and fall of the Incas as a major South American civilization.

CLASS MEETINGS: Tuesdays and Thursdays 12:00-1:20pm, Room 345 Museum. On certain days, we will meet in the collections rooms of the University of Pennsylvania Museum of Archaeology and Anthropology to view and study Inca artifacts.

OFFICE HOURS:

Thursdays and Fridays 3:00 - 5:00 pm & by appointment. 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 after class and 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.

ANTHROPOLOGY 254 HOMEPAGE: A Blackboard Course Homepage for this course can be found on PennNet at <https://courseweb.upenn.edu/> click on *Anth 254: Archaeology the Incas* after signing in. This homepage will include on-line versions of the course description, syllabus, readings, handouts, updates on reading assignments and lectures, recent news items on native Andean peoples, announcements about on-campus seminars and lectures related to the seminar topics, and links to web sites about native

peoples. I recommend saving the address as a "bookmark" and regularly checking the site for new and updated information.

REQUIRED TEXTBOOK: available at the House of our Own Bookstore, 3920 Spruce Street, Philadelphia, PA 19104, tel.(215) 222-1576.

D'Altroy, Terence N.
2002 *The Incas*. Blackwell Publishers, Oxford.

REQUIRED READINGS:

The required and recommended readings for *Anthropology 254: Archaeology of the Incas* will be available as PDF files on as digital files (PDF) format on the Blackboard Course Website (Courseweb). You will need Adobe Reader© software to view the files. I recommend updating to **Adobe Reader© version 8.0**. See the Penn Computing Page below for the free software.

<http://www.upenn.edu/computing/product/specs/adobereader.html>

REQUIRED MAPS: 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.

1) *National Geographic Society* Map(s)

- 1972 Map "South America" *National Geographic* 142(4) Oct.
- 1982 May "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 2000.

2) *Google Earth*© (3D digital world maps at high resolution). Download the free version of the Google Earth from the following website listed below. You will need a high speed internet connection and sufficient free hard disk space to use it. If you don't have these features, you can use the computers in the Anthropology Computer Lab.

Google Earth website: <http://earth.google.com/download-earth.html>

COURSE CONTENT:

This introductory course on the archaeology and ethnohistory of the Inca Empire is intended for undergraduates. There are no prerequisites for this course. The course is lecture format. At the beginning or end of the lecture, some time will be devoted to discussion of the lecture and reading materials. I may assign rotating individuals or groups of students to lead the discussions.

Slides will be used to illustrate concepts and sites presented in lecture and several films and/or videos will also be shown as supplementary material. I generally do not stop the lecture to spell terminology, although you will periodically 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 at the collection rooms instead of in our regular classroom.

REQUIRED READINGS:

A reading syllabus is provided here and on the course web site. This syllabus may be periodically updated throughout the semester. You must read the required readings before the class meeting. You should be prepared to discuss the required readings for each class. I strongly suggest taking notes while doing the readings. These notes will be useful for in-class discussions, studying for the exams, and for preparing your papers.

GRADING:

Grading will be based on a midterm (1 1/2 hours), final exam (2 hours), short writing assignment (5-10 page paper), and class participation in discussions of readings. The student will be responsible for knowing the material presented in the lecture, readings, slide presentations, tours of the collections, and films/videos.

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. We will schedule a short review/questions session before each exam if necessary. Please note that the **Midterm Exam** is on Tuesday, **February 27** (in class; 12:00 – 1:20 pm) and the **Final Exam** is on Tuesday, **May 1** (9:00 - 11:00 am in our classroom).

Writing Assignment: I will discuss the writing assignment in detail later in the semester. Assignment will be due on the last in-class meeting. I highly recommend that you exchange drafts of your papers with fellow students for editorial comments before submitting the final versions. Students will have the opportunity to rewrite their papers for consideration of a higher grade if drafts are received by the due dates (to be announced).

ATTENDANCE:

Students will be expected to show up for all class meetings (except religious holidays). Missing a class or two could negatively affect your grade. Please get the notes from other students if you have to miss a class meeting. The professor will not provide copies of lecture notes to students.

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:

<http://www.vpul.upenn.edu/osl/acadint.html>

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 9: INTRODUCTION
- January 11: MOUNTAINS, VALLEYS, COAST AND LOWLANDS: ANDEAN ECOLOGY
- January 16: PEOPLE, HOUSEHOLDS, AND COMMUNITIES OF THE ANDES
- January 18: PRE-INCA CULTURES
- January 23: THE SOURCES: KNOTTED STRINGS, MEMORY, SPANISH AND INDIGENOUS DOCUMENTS
- January 25: ORIGIN OF THE INCAS
- January 30: CUZCO: CENTER OF THE FOUR QUARTERS
- February 1: ARCHITECTURE OF POWER: DESIGN, ENGINEERING, AND AESTHETICS:
- February 6: MACHU PICCHU: LOST AND FOUND
- February 8: RITUAL CALENDAR, CEQUES, AND ASTRONOMY
- February 13: MUMMIES AND THE CULT OF ANCESTOR WORSHIP
- February 15: PILGRIMAGE AND SACRED MOUNTAINS
- February 20: RITUAL, COSMOLOGY AND RELIGION:
- February 22: BEER, FEASTS, AND FESTIVALS
- February 27: **MIDTERM EXAM (in class)**
- March 1: EMPIRE, CONQUEST, AND THE GENIUS OF INCA STATECRAFT:

- March 6: Spring Break
- March 8: Spring Break
- March 13: MAKING A LIVING: FARMING, HERDING, AND THE DOMESTICATION OF LANDSCAPE
- March 15: INCA POLITICAL ECONOMY:
- March 20: ADMINISTRATION OF THE EMPIRE: PROVINCIAL CENTERS, ROADS, AND WAYSTATIONS I
- March 22: VIRTUAL INCA
- March 27: ART, AESTHETICS, AND POLITICS OF ANDEAN WEAVING:
- March 29: ADMINISTRATION OF THE EMPIRE: PROVINCIAL CENTERS, ROADS, AND WAYSTATIONS II
- April 3: ART, AESTHETICS, AND POLITICS OF ANDEAN GOLD AND SILVER:
- April 5: THE ULIMATE SACRIFICE: CAPAC HUCHA
- April 10: THE FRAGILE FRONTIER AND REBELLIOUS PEOPLES
- April 12: SHRINES, ORACLES, AND SACRED LANDSCAPES
- April 17: SPANISH CONQUEST OF THE INCAS
- April 19: THE INKA LEGACY IN THE CONTEMPORARY ANDES
- May 1: Tuesday FINAL EXAM (in classroom; 9:00am – 11:00am)**

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DETAILED READING SYLLABUS

January 9: INTRODUCTION

January 11: MOUNTAINS, VALLEYS, COAST AND LOWLANDS: ANDEAN ECOLOGY

D'Altroy Textbook: pp. 24-32.

January 16: PEOPLE, HOUSEHOLDS, AND COMMUNITIES OF THE ANDES

D'Altroy Textbook: pp. 32-45

Brush, Stephen

1977 Chapter 1: The Andean Way: Cultural Adaptations to a Mountain Environment. IN *Mountain, Field, and Family: The Economy and Human Ecology of an Andean Valley*. University of Pennsylvania Press, Philadelphia, pp. 1-21.

Moseley, Moseley

2001 Chapter 3 The Inca Model of Statecraft. IN *The Incas and their Ancestors*. (second edition), Thames and Hudson, London, pp. 51-86.

January 18: PRE-INCA CULTURES

January 23: THE SOURCES: KNOTTED STRINGS, HISTORIES, SPANISH AND INDIGENOUS DOCUMENTS

D'Altroy Textbook: Chapter 1 (all); pp. 45-47

Urton, Gary

1999 Sources for the Study of Inca Myths. IN *Inca Myths*. University of Texas Press, Austin, Pp. 25-33.

Ascher, Marcia and Robert Ascher

1997 How to make a Quipu? IN *Code of the Quipus*. Dover Publications, Mineola, NY. Chapter 2 Pp. 12-35..

Ascher, Marcia and Robert Ascher
1997 The Quipumaker. IN *Code of the Quipus*. Dover Publications, Mineola, NY.
Chapter 4: pp. 59-80.

January 25: ORIGIN OF THE INCAS;

D'Altroy Textbook: Chapter 3 (all); pp. 62-65.

Urton, Gary
1999 Cosmic Origin Myths AND Origin myths of the Inca State (two chapters to be read together) In *Inca Myths*. University of Texas Press, Austin, Pp. 34-58.

Bauer, Brian
1992 Introduction. IN *The Development of the Inca State*. University of Texas Press, Austin, pp. 1-17.

Bauer, Brian and Alan Covey
2002 Processes of State Formation in the Inca Heartland (Cuzco, Peru). *American Anthropologist*. 104(3):846-864.

January 30: CUZCO: THE CENTER OF THE FOUR QUARTERS

D'Altroy Textbook: Chapter 6 (all).

Hyslop, John
1990 Chapter 2: Cuzco. IN *Inka Settlement Planning*. University of Texas Press, Austin, pp. 29-68

February 1: ARCHITECTURE OF POWER: DESIGN, ENGINEERING, AND AESTHETICS:

Cobo, Bernabe
1990 [1653] Chapter 12. IN *Inca Religion and Customs*. University of Texas Press, Austin, pp. 227-230.

Hyslop, John
1990 Chapter 1: Introduction (to Inka Architecture) IN *Inka Settlement Planning*. University of Texas Press, Austin, pp. 3-28.

Protzen, Jean- Pierre
1986 Inca Stonemasonry. *Scientific American* 254:94-105.

February 6: MACHU PICCHU: LOST AND FOUND

Bingham, Hiram

1967 [1948] The Discovery. IN *Lost City of the Incas: The Story of Machu Picchu and its Builders*. Atheneum, New York, pp. 147-154.

Salazar, Lucy

2004 Machu Picchu: Mysterious Royal Estate in the Cloud Forest. IN *Machu Picchu: Unveiling the Mystery of the Incas*. Edited by Richard Burger and Lucy Salazar, Yale University Press, New Haven.

February 6: RITUAL CALENDAR, CEQUES, AND ASTRONOMY

D'Altroy Textbook: 150-169

Hadingham, Evan

1987 Chapter 13: The Inca's Sacred Web; Chapter 14: In the Realm of the Mountain Gods; . IN *Lines to the Mountain Gods*. Random House, NY, pp. 227-239; 240-260.

Aveni, Anthony F.

1980 Astroarchaeology of North and South America. In *Skywatchers of Ancient Mexico*, University of Texas Press, Austin, pp. 294- 311.

Aveni, Anthony

1996 Astronomy and the Ceque System. IN *Structure, Knowledge, and Representation in the Andes*. Edited by Gary Urton, Special issue of the Journal of the Steward Anthropological Society. 24(1-2):157-172.

February 13: MUMMIES AND THE CULT OF ANCESTOR WORSHIP

Cobo, Bernabe

1990 [1653] Chapter 10. IN *Inca Religion and Customs*. University of Texas Press, Austin, pp. 39-43.

Salomon, Frank

1995 "The Beautiful Grandparents": Andean Ancestor Shrines and Mortuary Ritual as Seen Through Colonial Records. IN *Tombs for the Living: Andean Mortuary Practices*. Dumbarton Oaks, Washington DC, pp. 315-353.

Stothert, Karen E.

1979 Unwrapping an Inca Mummy Bundle. *Archaeology* 32(4):8-17

February 15: PILGRIMAGE AND SACRED MOUNTAINS

Allen, Catherine

1988: Chapter 7: The Great Pilgrimage IN *The Hold Life Has*. Smithsonian Institution Press, Washington DC, pp. 190-202 [Qollur Riti]

Randall, Robert

1987 Return of the Pleiades. *Natural History* (6):43-52.

February 20: RITUAL, COSMOLOGY AND RELIGION:

D'Altroy textbook: p. 141-150;

Nuñez del Prado, Juan

1974, The supernatural world of the Quechua of Southern Peru as seen from the community of Qotobamba. IN *Native South Americans*. Edited by Patricia Lyon, Little, Brown and Company, Boston, pp. 237-250.

Zuidema, R. Tom and Ulpiano Quispe

1968 A Visit to God: A Religious Experience in the Peruvian Community of Choque Huarcaya. IN *Peoples and Cultures of Native South America*. Edited by Daniel Gross, Doubleday, New York, pp. 358-376.

Bauer, B. S.

1996 Legitimization of the State in Inca Myth and Ritual. *American Anthropologist* 98(2):327-337.

February 22: BEER, FEASTS, AND FESTIVALS

Cutler, Hugh C. and Martin Cardenas

1947 Chicha, A Native South American Beer. *Botanical Museum Leaflets*, Harvard University 13(3): 33-60.

Allen, Catherine

1988 Chapter 4 Coca Knows; Chapter 9: Coca and Cultural Identity; Chapter 5: drinking together; Chapter 9: IN *The Hold Life Has*. Smithsonian Institution Press, Washington DC, pp. 125-136; 220-227; 137-150.

Hastorf, Christine A. and Sissell Johannessen

1993 Pre-Hispanic Political Change and the Role of Maize in the Central Andes of Peru. *American Anthropologist* 95(1): 115-138.

[Also begin D'Altroy readings for next lecture]

February 27: MIDTERM EXAM (in class)

March 1: EMPIRE, CONQUEST AND THE GENIUS OF INCA STATECRAFT:

D'Altroy Textbook: 83-85; Chapter 5 (all);

D'Altroy textbook: Chapter 4 (all); Chapter 9 (all)

Cobo, Bernabe

1979 [1653] Chapters 23, 24, 28, 29, . IN *History of the Inca Empire*. University of Texas Press, Austin, pp. 189-217.

Rowe, John

1980 Inca Policies and Institutions Relating to the Cultural Unification of the Empire. IN *The Inca and Aztec States, 1400-1800*, edited by George Collier, Renato Rosaldo, and John Wirth, pp. 93-118. Academic Press, New York.

Skim again:

Moseley, Moseley

2001 Chapter 3 The Inca Model of Statecraft. IN *The Incas and their Ancestors*. (second edition), Thames and Hudson, London, pp. 51-86.

March 6: Spring Break

March 8: Spring Break

March 13: MAKING A LIVING: FARMING, HERDING, AND THE DOMESTICATION OF LANDSCAPE

D'Altroy textbook: Chapter 8 (all)

Murra, John

1960 Rite and Crop in the Inca State. IN *Culture in History*. Edited by Stanley Diamond, Columbia University Press, pp. 393-407.

Erickson, Clark L.

2000 The Lake Titicaca Basin: A Pre-Columbian Built Landscape. IN *Imperfect Balance: Landscape Transformations in the Precolumbian Americas*. Edited by David Lentz, Columbia University Press, New York, pp. 311-356.

March 15: INCA POLITICAL ECONOMY:

Mayer, Enrique

2002 Chapter 2: Redistribution and Trade in Inca Society. IN *The Articulated Peasant: Household Economies in the Andes*. Westview Press, Boulder, pp. 47-73.

Salomon, Frank

1987 A North Andean Status Trader Complex under Inka Rule. *Ethnohistory* 34(1):63-77.

La Lone, Mary and Darrell La Lone

1987 The Inka State in the Southern Highlands: State Administrative and Productive Enclaves. *Ethnohistory* 34(1):47-62.

March 20: ADMINISTRATION OF THE EMPIRE: PROVINCIAL CENTERS, ROADS, AND WAYSTATIONS I

D'Altroy textbook: Chapter 10

Cobo, Bernabe

1979 [1653] Chapters 31-32, . IN *History of the Inca Empire*. University of Texas Press, Austin, pp. 223-230.

Schreiber, Katharina J.

1992 Chapter 2: The Inka Empire: Imperialism in Andean Form. IN *Wari Imperialism in Middle Horizon Peru*. University of Michigan, Ann Arbor. Anthropological Papers Museum of Anthropology, University of Michigan, no. 87 Ann Arbor, pp. 41-70.

Morris, Craig

1988 A City fit for An Inka. *Archaeology* 41(5):43-49.

March 22: VIRTUAL INCA AND NEW CUZCOS

Coben, Larry

2006 Other Cuzcos: Replicated Theaters of Inka Power. IN *Archaeology of Performance: Theaters of Power, Community, and Politics*. Edited by Takeshi Inomata and Lawrence S. Coben, Altamira Press, Lanham, MD, pp. 223-260.

March 27: ART, AESTHETICS, AND POLITICS OF ANDEAN WEAVING

D'Altroy Textbook: Chapter 12 (all)

Costin, Cathy L.

1998 Housewives, Chosen Women, Skilled Men: Cloth Production and social Identity in the Late Prehispanic Andes. IN *Craft and Social Identity*. edited by C. Costin and R. Wright, Archeological Papers of the American Anthropological Association no. 8. pp. 123-144.

March 29: ADMINISTRATION OF THE EMPIRE: PROVINCIAL CENTERS, ROADS, AND WAYSTATIONS II

D'Altroy Textbook: Chapter 11 (all); Chapter 8 (skim all)

April 3: ART, AESTHETICS, AND POLITICS OF ANDEAN GOLD AND SILVER

Lechtman, Heather

1993, Technologies of Power: the Andean Case. IN *Configurations of Power*, edited by. J. Henderson and P. Netherly, Cornell University Press, Ithaca, pp. 244-280.

April 5: THE ULTIMATE SACRIFICE: CAPAC HUCHA

D'Altroy Textbook: p. 160-176

Benson, Elizabeth

2001 Why Sacrifice? IN *Ritual Sacrifice in Ancient Peru*. Edited by Elizabeth Benson and Anita Cooke, University of Texas Press, Austin, pp. 1-20.

Collin McEwan and Maarten Van de Guchte

1992 Ancestral Time and Sacred Space in Inca State Ritual. IN *The Ancient Americas: Art from Sacred Landscapes*, ed. R. F. Townsend, The Art Institute, Chicago, pp. 359-371.

Schobinger, Juan

1991 Sacrifices of the High Andes. *Natural History*. (4):63-68.

April 10: THE FRAGILE FRONTIER AND REBELLIOUS PEOPLES

D'Altroy Textbook: to be announced

Nordenskiöld, Erland

1917 A Guarani Invasion of the Inca Empire in the Sixteenth Century: An Historical Indian Migration. *Geographical Review* 9:103-121.

Parssinen, Martti, Ari Siiriäinen and Antti Korpisaari

2003 Fortification related to the Inca Expansion" (together with). In *Western Amazonia - Amazônia Ocidental. Multidisciplinary Studies on ancient Expansionistic Movements, Fortifications and Sedentary Life.* ed. by M. Pärssinen & A. Korpisaari, pp. 29-72. Renvall Institute Publications 14, University of Helsinki.

April 12: SHRINES, ORACLES, AND SACRED LANDSCAPES

2004 *Tierra Sajama*. Website created by the Studio-Seminar of the University of Pennsylvania Department of Landscape Architecture and Department of Anthropology.

<http://cml.upenn.edu/tierrasajama/default2.htm>

2004 *Tierra Sajama: Questions and Answers*. Website created by the Studio-Seminar of the University of Pennsylvania Department of Landscape Architecture and Department of Anthropology.

http://cml.upenn.edu/tierrasajama/Sajama_English/res/FAQ.htm

April 17: SPANISH CONQUEST OF THE INCAS

D'Altroy Textbook: pp. 1-4; 76-83; 311-319

D'Altroy Textbook: pp. 319-324

Hemming, John

1770 Chapter 1: Cajamarca; Chapter 2 Atahualpa Captive, Chapter 3: Expediency. IN *The Conquest of the Incas*. Harcourt, Brace, Jovanovich, New York.

Xeres, Francisco

1532 The Conquistadors' Testimony. IN *The Incas: People of the Sun*. Carmen Bernand, Harry Abrams, New York, pp. 130-133.

Pizarro, Pedro

1532 The Conquistadors' Testimony. IN *The Incas: People of the Sun*. Carmen Bernand, Harry Abrams, New York, pp. 134-137.

April 19: THE INCA LEGACY IN THE CONTEMPORARY ANDES

Atwood, Roger

2000 Standing up to the Smugglers. IN *ARTnews*. June 118-123.

Alva, Walter

The Destruction, Looting, and Traffic of the Archaeological Heritage of Peru. IN *Trade in Illicit Antiquities: The Destruction of the World's Archaeological Heritage*. Edited by Neil Brodie, Jennifer Doole, and Colin Renfrew, McDonald Institute Monographs, pp. 89-97.

Silverman, Helaine

2002 Touring Ancient Times: The Present and Presented Past in Contemporary Peru. *American Anthropologist* 104(3):881-902.

Fine-Dare, Kathleen S.

Ms. Bodies Unburied, Mummies Displayed: Anthropology and Repatriation in the Americas.

May 1: Tuesday FINAL EXAM (in classroom; 9:00am – 11:00am)