ARCHAEOLOGICAL STUDIES (ARCG)

* ARCG 030b / ANTH 030b / LAST 030b, Inca Culture and Society  Richard Burger
History of the Inca empire of the Central Andes, including the empire's impact on the nations and cultures it conquered. Overview of Inca religion, economy, political organization, technology, and society. Ways in which different schools of research have approached and interpreted the Incas over the last century, including the influence of nationalism and other sources of bias on contemporary scholarship. Enrollment is limited to first-year students.  SO

ARCG 161a / CLCV 161a / HSAR 247a, Art and Myth in Greek Antiquity  Staff
Visual exploration of Greek mythology through the study of ancient Greek art and architecture. Greek gods, heroes, and mythological scenes foundational to Western culture; the complex nature of Greek mythology; how art and architecture rendered myths ever present in ancient Greek daily experience; ways in which visual representations can articulate stories. Use of collections in the Yale University Art Gallery.  HU 0 Course cr

ARCG 215a / ANTH 215a, Archaeology of China  Anne Underhill
Archaeology of China, one of the world's oldest and most enduring civilizations, from the era of early humans to early empires. Methods of interpreting remains from prehistoric and historic period sites.  SO

ARCG 232a / ANTH 232a / LAST 232a, Ancient Civilizations of the Andes  Richard Burger
Survey of the archaeological cultures of Peru and Bolivia from the earliest settlement through the late Inca state.  SO

ARCG 244b / NELC 109b / RLST 245b, The Age of Akhenaton  Nadine Moeller and John Darnell
Study of the period of the Egyptian pharaoh Akhenaton (reigned 1353–1336 B.C.E.), often termed the Amarna Revolution, from historical, literary, religious, artistic, and archaeological perspectives. Consideration of the wider Egyptian, ancient Near Eastern, African, and Mediterranean contexts. Examination of the international diplomacy, solar theology, and artistic developments of the period. Reading of primary source material in translation.  HU 0 Course cr

ARCG 245a / NELC 243a, Archaeology of Ancient Egypt: An Introduction  Gregory Marouard
This lecture is an introductory class that examines in detail the archaeology of ancient Egypt following the chronological order of Egyptian history and covering almost 4000 years, from the late Neolithic period to the end of the Greco-Roman period. The aim is not only to give a comprehensive overview of major sites and discoveries but also to use as much as possible information from recent excavations, discuss problems and priorities concerning this field, offer an introduction to new fieldwork methods and approaches used in Egypt as well as a short history of this discipline.  none  HU 0 Course cr
* **ARCG 253b / ANTH 253b, Introduction to Experimental Archaeology**  Ellery Frahm

Experimental archaeology is one of the most important tools to develop and test models which link human behaviors and natural forces to the archaeological record. This class explores the elements of good experimental design and procedures. ANTH 316L, ARCG 316L recommended. so

**ARCG 264a / ANTH 264a / SPAN 404a, Aztec Archaeology and Ethnohistory**  Oswaldo Chinchilla Mazariegos

An anthropological and ethnohistorical examination of the Aztec civilization that dominated much of Mexico from the fourteenth century until the Spanish Conquest of 1521. so

**ARCG 316La / ANTH 316La, Introduction to Archaeological Laboratory Sciences**  Ellery Frahm

Introduction to techniques of archaeological laboratory analysis, with quantitative data styles and statistics appropriate to each. Topics include dating of artifacts, sourcing of ancient materials, remote sensing, and microscopic and biochemical analysis. Specific techniques covered vary from year to year. sc

* **ARCG 326b / ANTH 326b, Ancient Civilizations of the Eurasian Steppes**  William Honeychurch

Examination of peoples of the steppe zone that stretches from Eastern Europe to Mongolia. Overview of what archaeologists know about Eurasian steppe societies, with emphasis on the Neolithic, Bronze and Iron, and medieval ages. Attention both to material culture and to historical sources. Topics range from the domestication of the horse to Genghis Khan's world empire, including the impact these events had on neighboring civilizations in Europe and Asia. so

* **ARCG 353a / ANTH 353a, The Archaeology of Trade and Exchange**  Richard Burger

This seminar will focus on archaeological approaches to exchange and trade. As background, we will review some of the principal theories of exchange from anthropology and sociology, such as those of Mauss, Malinowski and Polanyi. The role of trade and exchange in different kinds of societies will examined by contextualizing these transactions within specific cultural configurations and considering the nature of production and consumption as they relate to movement of these goods. We will consider methods and models that have been used to analyze regions of interaction at different spatial scales and the theoretical arguments about the social impact of inter-regional and intra-regional interactions involving the transfer of goods, including approaches such as world systems, unequal development and globalization. In addition, we will examine the ways that have been utilized in archaeology to identify different kinds of exchange systems, often through analogies to well documented ethnographic and historic cases. Finally, we will consider the range of techniques that have been employed in order to track the movement of goods across space. These sourcing techniques will be evaluated in terms of their advantages and disadvantages from an archaeological perspective, and how the best technical analyses may vary according to the nature of natural or cultural materials under consideration (ceramics, volcanic stone, metals, etc.). The theme for this year's seminar is obsidian so students should select some aspect of obsidian research for their final paper and presentation.
* ARCG 362b / EPS 362b / EVST 362b, Observing Earth from Space  Xuhui Lee
A practical introduction to satellite image analysis of Earth’s surface. Topics include the spectrum of electromagnetic radiation, satellite-borne radiometers, data transmission and storage, computer image analysis, the merging of satellite imagery with GIS and applications to weather and climate, oceanography, surficial geology, ecology and epidemiology, forestry, agriculture, archaeology, and watershed management. Prerequisites: college-level physics or chemistry, two courses in geology and natural science of the environment or equivalents, and computer literacy.  QR, SC  0 Course cr

* ARCG 363a / EVST 371a / NELC 189 / NELC 330a, Archaeologies of Empire  Harvey Weiss
Empire is rarely studied cross-culturally, although it is second only to hunting-and-gathering as the most successful, longest-lived, regional politico-economic organization. Despite major empire-specific research efforts, there remains, as well, little consensus as to empires’ genesis and function. Here we attempt to define the features of empire, their genesis and their function, in ancient and modern times. Comparative study of origins, structures, efficiencies, and limitations of imperialism, ancient and modern, in the Old and New Worlds, from Akkad to "Indochine" and from Wari to Aztec. The contrast between ancient and modern empires examined from the perspectives of nineteenth- and twentieth-century archaeology and political economy.  HU, SO

* ARCG 385a / ANTH 385a, Archaeological Ceramics  Anne Underhill
Archaeological methods for analyzing and interpreting ceramics, arguably the most common type of object found in ancient sites. Focus on what different aspects of ceramic vessels reveal about the people who made them and used them.  SO

* ARCG 399b / EVST 399b / NELC 399b, Agriculture: Origins, Evolution, Crises  Harvey Weiss
Analysis of the societal and environmental drivers and effects of plant and animal domestication, the intensification of agroproduction, and the crises of agroproduction: land degradation, societal collapses, sociopolitical transformation, sustainability, and biodiversity.  SO

* ARCG 425a / ANTH 425a / EAST 428a, Archaeology of Protohistoric Japan  Staff
Where and when are the origins of Japanese culture? In this seminar we will examine the archaeology of the Japanese archipelago from the introduction of paddy rice agriculture through the end of the 8th century with an eye toward this question. Examining excavated materials and early textual accounts, we will confront myths – both ancient and modern – of Japanese origins, and interrogate the framing of these time periods. Students will explore the interplay between event and process; and between local developments and outside influence through topics including the arrival of immigrant populations and rice agriculture, political and trade relationships within the archipelago as well as on the Asian continent, and the emergence of political “statehood.”  SO

* ARCG 450a / ANTH 450a, Analysis of Lithic Technology  Oswaldo Chinchilla Mazariegos
Introduction to the analysis of chipped and ground stone tools, including instruction in manufacturing chipped stone tools from obsidian. Review of the development of stone tool technology from earliest tools to those of historical periods; relevance of this
technology to subsistence, craft specialization, and trade. Discussion of the recording, analysis, and drawing of artifacts, and of related studies such as sourcing and use-wear analysis.

* **ARCG 454b / ANTH 454b, Statistics for Archaeological Analysis**  William Honeychurch
  An introduction to quantitative data collection, analysis, and argumentation for archaeologists. Emphasis on the exploration, visualization, and analysis of specifically archaeological data using simple statistical approaches. No prior knowledge of statistics required. **QR**

**ARCG 464b / ANTH 464b / E&EB 464b, Human Osteology**  Eric Sargis
  A lecture and laboratory course focusing on the characteristics of the human skeleton and its use in studies of functional morphology, paleodemography, and paleopathology. Laboratories familiarize students with skeletal parts; lectures focus on the nature of bone tissue, its biomechanical modification, sexing, aging, and interpretation of lesions. **SC, SO 0 Course cr**

* **ARCG 471a, Directed Reading and Research in Archaeology**  Oswaldo Chinchilla Mazariegos
  Qualified students may pursue special reading or research under the guidance of an instructor. A written statement of the proposed research must be submitted to the director of undergraduate studies for approval.

* **ARCG 473b / EVST 473b / NELC 373b, Climate Change, Societal Collapse, and Resilience**  Harvey Weiss
  The coincidence of societal collapses throughout history with decadal and century-scale abrupt climate change events. Challenges to anthropological and historical paradigms of cultural adaptation and resilience. Examination of archaeological and historical records and high-resolution sets of paleoclimate proxies. **HU, SO 0 Course cr**

* **ARCG 491a or b, Senior Research Project in Archaeology**  Oswaldo Chinchilla Mazariegos
  Required of all students majoring in Archaeological Studies. Supervised investigation of some archaeological topic in depth. The course requirement is a long essay to be submitted as the student's senior essay. The student should present a prospectus and bibliography to the director of undergraduate studies no later than the third week of the term. Written approval from the faculty member who will direct the reading and writing for the course must accompany the prospectus.