ARCHAEOLOGICAL STUDIES

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COUNCIL ON ARCHAEOLOGICAL STUDIES

Anthropology  Richard Burger (Chair), Oswaldo Chinchilla, Andrew Hill, William Honeychurch, Roderick McIntosh, Eric Sargis, Anne Underhill

Classics  Milette Gaifman, Andrew Johnston, Diana Kleiner

Geology & Geophysics  Ronald Smith

History  Valerie Hansen

History of Art  Edward Cooke, Jr., Mary Miller

Near Eastern Languages & Civilizations  John Darnell, Stephen Davis, Karen Foster, Eckart Frahm, Colleen Manassa, Harvey Weiss

This special interdisciplinary major is supervised by the University’s Council on Archaeological Studies. Inquiries about the major may be addressed to the chair of the council, Richard Burger, Department of Anthropology, 10 Sachem Street, or to the director of undergraduate studies.

The major in Archaeological Studies provides a program of interdepartmental offerings covering prehistoric, early historic, and medieval cultures and cultural developments in the Old and New Worlds, and introduces students to the analytic tools that facilitate archaeological studies. The major is designed to expose students to a variety of archaeological research perspectives: anthropological, historical, art historical, and physical science. Also emphasized are substantive studies including (1) study of such prehistoric–early historic transformations as the origins of agriculture, cities and states, and early empires, and (2) study of the material culture, art, and architecture of prehistoric, early historic, and medieval cultures, including the iconography of ancient cultures, the relationship between art and society, ancient writing systems, and American historical archaeology.

Requirements of the major for the Class of 2014  Students in the Class of 2014 may fulfill the requirements of the Archaeological Studies major as described below for the Class of 2015 and subsequent classes. Alternatively, they may fulfill the requirements of the major that were in place when they entered it, as described in previous editions of this bulletin (http://www.yale.edu/printer/bulletin/archivepdffiles/YCPS).

Requirements of the major for the Class of 2015 and subsequent classes  The major consists of thirteen courses including the senior project. The following six courses are required: an introductory survey; a summer course in field techniques or a Yale-affiliated summer research project, approved in advance by the Council; the introductory laboratory course ARCG 316L; an advanced laboratory course; a theory course; and the senior research project ARCG 491. The remaining seven courses required for the major must be distributed among the six subject areas represented by the departments and programs offering courses multiple-titled with Archaeological Studies, with three of those seven courses falling in different departments and programs. The relevant departments and programs are Anthropology, Classics, Environmental Studies, Geology and Geophysics, History of Art, and Near Eastern Languages and Civilizations. Some courses may be applied to categories other than the ones in which they are listed below, upon application to the director of undergraduate studies. For three of the seven archaeology electives students may, with permission of the director of undergraduate studies, substitute three courses from other departments in areas related to their research.

Students majoring in Archaeological Studies are strongly encouraged, but not required, to devote a second summer either to archaeological research in the field or laboratory or to an additional field course in archaeology. Members of the Council faculty currently direct archaeological field projects in China, Egypt, Guatemala, Peru, Mali, Mongolia, Senegal, Syria, and Rome. Qualified majors are encouraged to apply for research positions with these projects.

Senior requirement  The final requirement for the major is a senior research project (ARCG 491) in some field of archaeology, preferably one involving more than one area or discipline.

Students majoring in Archaeological Studies should consult with the director of undergraduate studies at the beginning of each term.

REQUIREMENTS OF THE MAJOR

Prerequisites  None

Number of courses  13 term courses (incl senior project)

Specific course required  ARCG 316L

Distribution of courses  1 intro survey; 1 summer field techniques course or research project, as specified; 1 advanced lab; 1 theory course; 7 electives, at least 1 in each of 3 areas, as specified

Substitution permitted  For 3 electives, 3 courses related to research, with DUS permission

Senior requirement  Research project (ARCG 491)
Anthropology

ARCG 171b / ANTH 171b, Great Civilizations of the Ancient World  Anne Underhill
A survey of selected prehistoric and historical cultures through examination of archaeological sites and materials. Emphasis on the methodological and theoretical approaches by which archaeologists recover, analyze, and interpret the material remains of the past.  SO

ARCG 267b / ANTH 267b, Human Evolution  Andrew Hill
Examination of the fossil record of human evolution, including both paleontological and archaeological evidence for changes in hominid behavior during the Pleistocene. Prerequisite: an introductory course in biological anthropology or biology.  SO

ARCG 272a / AFST 272a / ANTH 272a, African Prehistory  Roderick McIntosh
Survey of the archaeological evidence for the original contributions of the African continent to the human condition. The unresolved issues of African prehistory, from the time of the first hominids, through the development of food production and metallurgy, to the rise of states and cities.  SO

ARCG 294a / ANTH 294a, The Ancient Maya  Oswaldo Chinchilla
Introduction to the archaeological study of ancient Maya civilization in southern Mexico and northern Central America. Maya origins and modes of adaptation to a tropical forest environment; political history of the Classic Maya and competing theories about their collapse; overviews of Maya art, calendar, and writing.  SO

ARCG 316Lb / ANTH 316Lb, Introduction to Archaeological Laboratory Sciences  Roderick McIntosh
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.

*ARCG 374a / ANTH 374a / LAST 374a, Origins of Andean Civilization  Richard Burger
The diversity of early Andean complex societies and their transformations during the first two millennia B.C. Special attention to the Chavin civilization of the northern Peruvian highlands, including its art, technology, socioeconomic organization, territorial expansion, and cultural antecedents. Emphasis on recent research and on explanatory models that have been used to explain the emergence of complexity in pre-Hispanic Peru.  SO RP

*ARCG 410a / ANTH 410a, Ethnohistory and Archaeology  Roderick McIntosh
Review of the major problems and methodologies associated with the use of ethnohistory by archaeologists. The construction of a historical imagination. Sources include colonial and "visitor" documents, peoples' written descriptions of themselves, oral traditions, classic ethnographies, and writings in art history.  SO

*ARCG 417b / ANTH 417b, Maya Hieroglyphic Writing  Oswaldo Chinchilla
Introduction to the ancient Maya writing system. Contents of the extant corpus, including nametags, royal and ritual commemorations, dynastic and political subjects, and religious and augural subjects; principles and methods of decipherment; overview of the Maya calendar; comparison with related writing systems in Mesoamerica and elsewhere in the ancient world.  SO

*ARCG 450b / ANTH 450b, Analysis of Lithic Technology  Oswaldo Chinchilla
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.  SO

*ARCG 456a / ANTH 456a, Reconstructing Human Evolution: An Ecological Approach  Andrew Hill
Methods for obtaining data relevant to ecological factors that have affected human evolutionary change, such as changes in climate, competition with other animals, and availability and kinds of food supply. Evaluation of techniques for obtaining ecological data in such fields as geology, paleobotany, and paleozoology. Ethnographic, primatological, and other biological models of early human behavior.  SO

*ARCG 464b / ANTH 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.  SO

*ARCG 482b / ANTH 482b, Advanced Archaeological Theory  Roderick McIntosh
Review of the intellectual history of archaeology, with readings from the Enlightenment to the present. Emphasis on the tension between science, mysticism, and nationalism in the interpretation of prehistoric processes.  SO RP

Classics

ARCG 170a / CLCV 170a / HSAR 250a, Roman Art: Empire, Identity, and Society  Diana Kleiner
Masterpieces of Roman art from the Republic to Constantine studied in their historical and social contexts. The great Romans and the monuments they commissioned — portraits, triumphal arches, columns, and historical reliefs. The concept of empire and imperial
identity, politics and portraiture, the making and unmaking of history through art, and the art of women, children, freedmen, and slaves.

**HU**

ARCG 252b / CLCV 175b / HSAR 252b, Roman Architecture  
Diana Kleiner

The great buildings and engineering marvels of Rome and its empire. Study of city planning and individual monuments and their decoration, including mural painting. Emphasis on developments in Rome, Pompeii, and central Italy; survey of architecture in the provinces.

**HU**

*ARCG 424b / CLCV 230b / HSAR 424b, eClavdia: Women in Ancient Rome  
Diana Kleiner

The contributions of Roman women to one of the greatest cities—and one of the greatest empires—in world history. Lost stories of real-life Roman women recovered from public and residential buildings, portraits, paintings, and other works of Roman art and architecture.

**HU, RP**

Environmental Studies

*ARCG 473b / ANTH 473b / EVST 473b, Abrupt Climate Change and Societal Collapse  
Harvey Weiss

The coincidence of societal collapses throughout history with decadal and century-scale drought 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**

Geology and Geophysics

*ARCG 362b / EVST 362b / G&G 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**

History of Art

ARCG 110b / HSAR 110b, Introduction to the History of Art: Global Decorative Arts  
Edward Cooke, Jr.

Global history of the decorative arts from antiquity to the present. The materials and techniques of ceramics, textiles, metals, furniture, and glass. Consideration of forms, imagery, decoration, and workmanship. Themes linking geography and time, such as trade and exchange, simulation, identity, and symbolic value.

**HU**

ARCG 235b / HSAR 235b / HUMS 245b / NELC 106b, The Worlds of Homer  
Karen Foster

Interdisciplinary study of the artistic, literary, and cultural worlds of Homer’s *Iliad* and *Odyssey*, beginning in the Bronze Age of the Trojan War heroes and ending with the Homeric legacy in Western civilization. Topics include Homeric myth and reality, new archaeological evidence, the emergence of Greek art and thought, and Mediterranean and Near Eastern interconnections.

**HU**

ARCG 237a / HSAR 237a / NELC 108a, Ancient Painting and Mosaics  
Karen Foster

Developments in wall painting, vase painting, and mosaics as seen in ancient Egypt, the Aegean Bronze Age, and the Greek, Etruscan, and Roman world.

**HU**

Near Eastern Languages and Civilizations

ARCG 221a / HSAR 234a / NELC 120a, Egyptomania  
Colleen Manassa

Conceptual underpinnings of the use of ancient Egyptian motifs in architecture, painting, sculpture, and decorative arts throughout western Europe, the Middle East, and North America from antiquity to the present. Coordinated with the exhibit *Egyptomania* at the Peabody Museum.

**HU**

ARCG 223b / NELC 220b / WGSS 226b, Lives in Ancient Egypt  
Colleen Manassa

Introduction to the social history of ancient Egypt from 3,100 to 30 B.C.E. Focus on the lives of particular individuals attested in the textual and archaeological record, from pharaohs and queens to artists, soldiers, and farmers. Reading of primary sources in translation; course projects integrate ancient objects in Yale collections.

**HU**

ARCG 246a / NELC 314a, Ancient Civilizations of Nubia  
Maria Gatto

Introduction to the sociocultural history and archaeology of ancient Nubia; special attention to interconnections with Egypt and Africa. Nubia’s role in shaping both the origin of pharaonic civilization and African cultural identity; parallels and divergences with Saharan, West African, and Near Eastern cultures. Use of the Nubian collection of the Peabody Museum.

**SO**

Advanced Research Courses

*ARCG 471a and ARCG 472b, Directed Reading and Research in Archaeology  
William Honeychurch

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 491a or b, Senior Research Project in Archaeology*  William Honeychurch
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.