ARCHEOLOGY

http://krieger.jhu.edu/archaeology/

The major in archaeology is an interdepartmental program that introduces students to archaeological theory, the analysis of archaeological materials, and the results of archaeological research in prehistoric and early historic periods in the Old and New Worlds. Archaeology studies human societies through examination of their material culture (physical remains), considering such issues as human subsistence, interaction with climate and physical environment, patterns of settlement, political and economic organization, and religious activity and thought. The field allows for the study of the entirety of human experience from its beginnings to the present day, in every region of the world and across all social strata.

Students in the major will have the opportunity to study and conduct research on materials stored in The Johns Hopkins Archaeological Museum, which consists of a diverse and extensive assemblage of artifacts from ancient Greece, Rome, Egypt, Mesopotamia, Palestine, and Mesoamerica. Opportunities may also be available to study materials in the Classical, Egyptian, and Near Eastern collections in the Walters Art Museum.

Requirements for the B.A. Degree

Requirements for the major include 13 courses (39 credits). These can be selected from a diversity of offerings available from different departments. In addition, students must take a core of three courses consisting of Introduction to Archaeology, World Prehistory, and Archaeological Method and Theory. Except for some field experiences, majors must complete all courses required for the major for a letter grade and receive a grade of C- or higher.

Core Courses
AS.130.110  Introduction To Archaeology  3
AS.130.177  World Prehistory: An Anthropological Perspective  3
AS.130.354/ AS.131.654  Archaeological Method and Theory  3
Any Anthropology course numbered AS.070.1xx-4xx  3
Six archaeology courses, both regionally specific and/or methodologically/theoretically advanced (POS-Tag ARCH-ARCH)  18
Three additional related courses, to be decided in conjunction with the student's advisor, pertinent to the archaeological issues the student has focused on. (POS-Tag ARCH-RELATE)  9
Significant archaeological field experience (consult faculty advisor)  3

Total Credits: 39

Sample Program of Study

In addition to the example plan as shown below, students are required to complete significant archaeological field experience. This is commonly done during the summer(s) after sophomore and/or junior year(s).

Freshman

Fall

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<th>Course</th>
<th>Credits</th>
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<td>3</td>
<td>AS.130.177 World Prehistory: An Anthropological Perspective</td>
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Junior

Fall

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Senior

Fall

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<tr>
<td>Additional related course #3</td>
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Total Credits: 39

Honors Program

Archaeology majors have the option of writing an honors thesis under the supervision of a faculty member. The thesis is based on an original research problem developed in conjunction with that faculty member. Successful completion of the thesis (B+ or higher) will result in the conferring of a BA with honors.

Students entering Fall 2014 and later must pass 6 credits (2 semesters: 130.510 and 130.511) of honors thesis to earn honors in the Archaeology Major. These credits are in addition to and exceed the number of credits needed for the major.

Students who are interested in pursuing an honors thesis should begin to discuss possibilities with a faculty advisor as early as possible and no later than during the second semester of Junior year. A proposal for the thesis must be approved by the faculty advisor before the student registers for the courses and no later than the end of the second semester of the Junior year.

The student will work closely with the faculty advisor, setting a timeline for completing research and submitting drafts of the thesis. A full draft of the thesis is due by the end of March of the Senior year, if the student wants to be listed as receiving honors on the commencement program. The final version of the thesis must be handed in by the last day of classes.

Program Learning Goals for the Archaeology Major

1. Acquire the basic skills for understanding theory, interpretation, and methods in archaeology.
2. Develop an ability to analyze archaeological data through the reading and interpretation of archaeological publications and study of primary data.
3. Conduct analyses and interpretations of material culture in precise, well-organized, and persuasive language, both orally and in writing.
4. Acquire interdisciplinary knowledge of different past human cultures.
5. Gain significant knowledge of the material culture of at least one region or thematic issue.
6. Acquire on-site experience and expertise in archaeological method through fieldwork.

For current faculty and contact information go to http://krieger.jhu.edu/archaeology/faculty-directory/

**Faculty**

**Director**
Glenn Schwartz
Whiting Professor of Archaeology (Near Eastern Studies): Near Eastern archaeology, archaeological method and theory.

**Professors**
Betsy Bryan
Alexander Badawy Chair in Egyptian Art and Archaeology (Near Eastern Studies): Egyptian archaeology and art.

Marian Feldman

Lisa de Leonardis
Austen-Stokes Professor (History of Art): art and archaeology of the ancient Americas.

Matthew Roller
(Classics): Roman material culture and history.

**Associate Professor**
Michael Harrower, DUS

**Assistant Professors**
Emily S.K. Anderson
(Classics and History of Art)

Jennifer Stager
(History of Art): Greek and Roman Art

For current course information and registration go to https://sis.jhu.edu/classes/

**Courses**

**AS.136.101. Introduction To Archaeology. 3.0 Credits.**
An introduction to archaeology and to archaeological method and theory, exploring how archaeologists excavate, analyze, and interpret ancient remains in order to reconstruct how ancient societies functioned. Specific examples from a variety of archaeological projects in different parts of the world will be used to illustrate techniques and principles discussed.

**Prerequisites:** NA
**Corequisites:** NA
**Instructor(s):** G. Schwartz
**Area:** Humanities, Social and Behavioral Sciences

**Cross Listed Courses**

**History of Art**

**AS.010.104. Freshman Seminar: Investigating Gender and Sexuality in Mesopotamian Art. 3.0 Credits.**
Specifics of gender and sexuality are not universal norms, but rather are the product of particular cultural formations. Works of art are especially critical in shaping and conveying these particularities. This seminar examines how artistic products expressed and constructed gender identities and notions of sexuality in ancient Mesopotamia from the 4th millennium to the Hellenistic period. As a group, we will explore a variety of case studies, through which students will be introduced to ancient Mesopotamian culture and will develop skills in specific research skills such as critical reading, analysis, and interpretation.

**Prerequisites:** NA
**Corequisites:** NA
**Instructor(s):** M. Feldman
**Area:** Humanities

**AS.010.105. Art of the Ancient Americas. 3.0 Credits.**
This course provides a basis for the study of ancient Americas art and architecture and a broad exposure to the issues relevant to its study. Select visual arts within the primary regions of Mexico and Central America will be emphasized. In conjunction with the Baltimore Museum of Art (BMA) and the JHU Archaeological Museum (JHAM), students will participate in on-site study of the collections.

**Prerequisites:** NA
**Corequisites:** NA
**Instructor(s):** L. Deleonardis
**Area:** Humanities

**AS.010.236. Palaces, Temples and Tombs in Mesopotamia. 3.0 Credits.**
Mesopotamia, the “land between the rivers,” is considered the cradle of civilization. Its earliest urban centers appeared by 3500 BCE in the region of modern-day Iraq, Iran, and Syria. Along with urbanism came the emergence of temples and palaces as large-scale elite institutions (along with written records). Their arts manifest some of the earliest complex representations and follow a vibrant course for several millennia. The first empires marshaled large armies and amassed fabulous riches. Complex religious and ritual ideologies were expressed in the art and architecture. And all has been revealed by the archaeologist’s spade. This class explores the art and architecture of Mesopotamia (ancient Sumer, Babylonia and Assyria) from 3500 to 330 BCE. Emphasis is placed on the relationship between the arts and ancient society in order to enable students to acquire the skills for accessing and appreciating ancient civilizations.

**Prerequisites:** NA
**Corequisites:** NA
**Instructor(s):** M. Feldman
**Area:** Humanities

NA.
AS.010.307. Diplomats, Dealers, and Diggers: The Birth of Archaeology and the Rise of Collecting from the 19th c. to Today. 3.0 Credits.
The development of archaeology in the Middle East – its history of explorers, diplomats, missionaries and gentlemen-scholars – profoundly shaped the modern world, from the creation of new museums and the antiquities market to international relations and terrorism.
Prerequisites: NA
Corequisites: NA
Instructor(s): M. Feldman
Area: Humanities
NA.

AS.010.315. Art of the Assyrian Empire, 1000-600 BCE. 3.0 Credits.
The Assyrian Empire dominated the ancient world from 1000-612 BCE, stretching from Iran to Egypt and laying the foundation for the later Persian and Macedonian empires. With imperial expansion came an explosion of artistic production ranging from palace wall reliefs to small-scale luxury objects. This course provides an integrated picture of the imperial arts of this first great empire, situating it within the broader social and political contexts of the first millennium BCE.
Prerequisites: NA
Corequisites: NA
Instructor(s): M. Feldman
Area: Humanities
NA.

AS.010.332. Jade, Turquoise, Feathers, and Gold: Valued Materials in Aztec Art. 3.0 Credits.
This seminar (which meets twice weekly) introduces students to the art of the Aztec Empire (1428-1521 CE) through the lens of the production of art from valued materials. The issue of value—how it is constructed, conceptualized, and deployed—provides key insights into the political, religious, economic, and conceptual life of a society. Throughout this course, we will examine these questions by focusing on the major themes of art’s social functions, materiality and artistic process, historicity, and cross-cultural exchange. Special emphasis will be placed on in-person examination of objects in local museum collections and the study of writings by indigenous authors.
Prerequisites: NA
Corequisites: NA
Instructor(s): L. Deleonardis
Area: Humanities
NA.

AS.010.364. Babylon: Myth and Reality. 3.0 Credits.
Babylon – the name resonates even today, from the biblical whore of Revelation to sci-fi. It evokes exotic places and time long past. But what do we really know about the ancient city and the civilization that flourished there thousands of years ago? The first part of this course examines the archaeological city of Babylon, located in the modern state of Iraq, and considers its artistic and architectural achievements in the context of Mesopotamian history. The second part of the class explores the ongoing impact of Babylon in the cultural imagination of later periods, from the Classical and biblical authors, to European artists, Hollywood movies, science fiction, and contemporary political movements.
Prerequisites: NA
Corequisites: NA
Instructor(s): M. Feldman
Area: Humanities
NA.

AS.010.365. Art of the Ancient Andes. 3.0 Credits.
The ancient visual arts of Andean South America and their respective cultural contexts form the basis of this course. In conjunction with the Baltimore Museum of Art and the Johns Hopkins Archaeological Museum students will have access to collections for study.
Prerequisites: NA
Corequisites: NA
Instructor(s): L. Deleonardis
Area: Humanities
NA.

AS.010.366. Native American Art. 3.0 Credits.
The works of Native American artists are examined and discussed in their respective social and historical contexts. Such works include Hopewell stone sculpture, Mimbres pictorial painting, and Tlingit guardian figures. We examine the concept of sacred landscape through analysis of monumental earthworks and effigy mounds, Anasazi architecture, and rock art. In conjunction with the Baltimore Museum of Art (BMA), and Johns Hopkins Special Collections, students will have access to collections for study.
Prerequisites: NA
Corequisites: NA
Instructor(s): L. Deleonardis
Area: Humanities
NA.

AS.010.389. The Stone and the Thread. 3.0 Credits.
Inka architecture in its social, historical and cultural contexts forms the basis of this course. Shared forms and ideas implicit in the fiber arts offer comparative points for analysis and discussion.
Prerequisites: NA
Corequisites: NA
Instructor(s): L. Deleonardis
Area: Humanities
Writing Intensive.

AS.010.390. Workshop in Object Analysis: Ancient Americas Collection. 3.0 Credits.
Direct analysis of ancient Americas objects in the JHU Archaeology Museum to include methods and theory of description, classification, cataloging, exhibition.
Prerequisites: AS.010.105 OR AS.010.407 OR AS.010.398 OR AS.010.365 OR AS.010.389 OR AS.010.214 or in consultation with professor prior to registration.
Corequisites: NA
Instructor(s): L. Deleonardis
Area: Humanities
Writing Intensive.

AS.010.407. Ancient Americas Metallurgy. 3.0 Credits.
This course addresses the technology, aesthetics, and social significance of metals. Case studies are drawn from North America, Mesoamerica, and the Andes. Collections study in museums.
Prerequisites: NA
Corequisites: NA
Instructor(s): L. Deleonardis
Area: Humanities
NA.
AS.010.421. Creating Sacred Space in the Ancient and Medieval World. 3.0 Credits.
What makes a space sacred? How is it different from other spaces? This seminar explores the various means - visual, artifactual, architectural, and performative - of creating sacred space in the ancient and medieval worlds of the Near East and Mediterranean. Possible cases for study include early Sumerian temples, state-sponsored Assyrian temples, votive deposits, Greek sanctuaries, sanctuaries and landscape, early medieval Jewish, Christian, and Islamic cult buildings, cave sanctuaries, pilgrim sites, icons and sacred space.
Prerequisites: NA
Corequisites: NA
Instructor(s): M. Feldman
Area: Humanities
Writing Intensive.

AS.010.470. Power and Politics in Assyrian Art. 3.0 Credits.
Assyria, centered in northern Iraq, created one of the world's first great empires that dominated the ancient Near Eastern world from around 900 to 612 BCE. In concert with imperial expansion came an explosion of artistic production ranging from palace wall reliefs to small-scale luxury objects. This seminar examines the close relationship between the arts and politics in the Assyrian empire. Some themes that will be explored are: historical narrative, text and image, portable luxury arts and gender, politics and religion. The course will engage in close visual analysis of the ancient materials and readings of critical scholarship.
Prerequisites: NA
Corequisites: NA
Instructor(s): M. Feldman
Area: Humanities
Writing Intensive.

AS.020.365. Intro To Human Skeleton. 3.0 Credits.
This course will provide a basic understanding of human skeletal biology, including bone composition and bone growth, recognition of skeletal elements, functional anatomy of different skeletal systems, comparative anatomy, and forensic anthropology (sexing and aging, body size reconstruction, bone pathology). Lectures will be combined with hands-on experience with bone models and real bone specimens.
Prerequisites: NA
Corequisites: NA
Instructor(s): J. Smith
Area: Natural Sciences
NA.

AS.020.379. Evolution. 3.0 Credits.
This course takes a broad look at the impact of natural selection and other evolutionary forces on evolution. Emphasis is placed on what we can learn from genome sequences about the history of life, as well as current evolutionary pressures. Recommended Course Background: AS.020.306, AS.020.330, or permission required
Prerequisites: NA
Corequisites: NA
Instructor(s): C. Norris
Area: Natural Sciences
NA.

AS.040.111. Ancient Greek Civilization. 3.0 Credits.
The course will introduce students to major aspects of the ancient Greek civilization, with special emphasis placed upon culture, society, archaeology, literature, and philosophy.
Prerequisites: NA
Corequisites: NA
Instructor(s): A. Tabeling; J. Smith
Area: Humanities
NA.

AS.040.137. Freshman Seminar: Archaeology at the Crossroads: The Ancient Eastern Mediterranean through Objects in the JHU Archaeological Museum. 3.0 Credits.
This seminar investigates the Eastern Mediterranean as a space of intense cultural interaction in the Late Bronze Age, exploring how people, ideas, and things not only came into contact but deeply influenced one another through maritime trade, art, politics, etc. In addition to class discussion, we will work hands-on with artifacts from the JHU Archaeological Museum, focusing on material from Cyprus.
Prerequisites: NA
Corequisites: NA
Instructor(s): E. Anderson
Area: Humanities
Writing Intensive.

AS.040.140. Gender and Sexuality in Early Greece and the Eastern Mediterranean. 3.0 Credits.
In this course we will explore evidence and interpretations of gender and sexuality in the region of the Aegean and eastern Mediterranean during the third and second millennia BCE. Material investigated will include the "snake goddess" figures from Minoan Crete, anthropomorphic figures from the Cyclades and Cyprus, wall paintings, etc. In each case we will consider the history of interpretation as well as investigate the objects' archaeological and sociocultural contexts. Discussion topics will include representational ambiguity, the specific materialities of objects, and their possible roles in activities construing gender. The course will incorporate material from the JHU Archaeological Museum.
Prerequisites: NA
Corequisites: NA
Instructor(s): E. Anderson
Area: Humanities
NA.

AS.040.150. Island Archeology: Land and Sea in Ancient Crete, Cyprus and the Cyclades. 3.0 Credits.
Islands present highly distinctive contexts for social life. We examine three island worlds of the ancient eastern Mediterranean. These are places where water had a unique and powerful meaning and boat travel was part of daily life, where palaces flourished and contact with other societies implied voyages of great distance. Class combines close study of material and visual culture with consideration of island-specific interpretive paradigms; trips to Archaeological Museum.
Prerequisites: NA
Corequisites: NA
Instructor(s): E. Anderson
Area: Humanities
NA.
AS.040.218. Celebration and Performance in Early Greece. 3.0 Credits.
Surviving imagery suggests that persons in Minoan and Mycenaean societies engaged in various celebratory performances, including processions, feasts, and ecstatic dance. This course explores archaeological evidence of such celebrations, focusing on sociocultural roles, bodily experience, and interpretive challenges.
Prerequisites: NA
Corequisites: NA
Instructor(s): E. Anderson
Area: Humanities
NA.

AS.040.221. Art and Archaeology of Early Greece. 3.0 Credits.
This course explores the origins and rise of Greek civilization from the Early Bronze Age to the Persian Wars (ca. 3100-480 B.C.), focusing on major archaeological sites, sanctuaries, material culture, and artistic production.
Prerequisites: NA
Corequisites: NA
Instructor(s): E. Anderson
Area: Humanities
NA.

AS.040.348. Worlds of Homer. 3.0 Credits.
Through texts, art, and archaeological remains, this course examines the various worlds of Homer—those recalled in the Iliad and Odyssey, those within which the epics were composed, and those born of the poet’s unique creative work. Class will make museum visits. Ancient texts read in translation.
Prerequisites: NA
Corequisites: NA
Instructor(s): E. Anderson
Area: Humanities
NA.

AS.040.366. The Archaeology of Ancient Cyprus: Investigating a Mediterranean Island World in the JHU Museum. 3.0 Credits.
This course explores the visual and material worlds of ancient Cyprus from the earliest human evidence through the Iron Age. Course topics will include the island’s unique position between the Aegean and Near East and how this has impacted both Cyprus’ ancient past and the way in which it has been conceived in the modern world. Class involves regular analysis of artifacts based in the Archaeological Museum.
Prerequisites: NA
Corequisites: NA
Instructor(s): E. Anderson
Area: Humanities
NA.

AS.040.373. Propaganda and the Art of Visual Politics during the Roman Empire. 3.0 Credits.
We will examine visual expressions of propaganda in the city of Rome, considering how emperors used public art to promote their political agendas and their ideological vision of power. Dean’s Teaching Fellowship course
Prerequisites: NA
Corequisites: NA
Instructor(s): A. Tabeling
Area: Humanities
NA.

Anthropology

AS.070.132. Invitation to Anthropology. 3.0 Credits.
That the world is rapidly changing is so evident as to seem cliché to recognize it. But the question what it then means to be human requires continual investigation. This course introduces students to anthropology as a field of research and reflection. Anthropology offers conceptual tools and an ethical groundwork for understanding the world as it is and as it is becoming.
Prerequisites: NA
Corequisites: NA
Instructor(s): A. Angelini
Area: Humanities, Social and Behavioral Sciences Writing Intensive.

AS.070.419. Logic of Anthropological Inquiry. 3.0 Credits.
Anthropology is an endeavor to think with the empirical richness of the world at hand, a field science with both literary and philosophical pretensions. This course grapples with the nature of anthropological inquiry, reading classic works in the discipline as well as contemporary efforts to reimagine its foundations. Required for anthropology majors.
Prerequisites: Prereqs: AS.070.273 OR AS.070.317
Corequisites: NA
Instructor(s): D. Poole
Area: Humanities, Social and Behavioral Sciences Writing Intensive.

Near Eastern Studies

AS.130.101. Ancient Near Eastern Civilizations. 3.0 Credits.
Review of important issues in ancient Near Eastern history and culture from the Neolithic era to the Persian period. Included will be an examination of the Neolithic agricultural revolution, the emergence of cities, states and writing, and formation of empires. Cultures such as Sumer and Akkad, Egypt, the Hittites, Israelites, Assyrians, Babylonians, and Persians will be discussed.
Prerequisites: NA
Corequisites: NA
Instructor(s): G. Schwartz
Area: Humanities
NA.

AS.130.305. Introduction to Archaeology. 3.0 Credits.
This course explores the themes and methods of archaeology, fromits evolution as a modern science to the kinds of questions that prehistorians ask today. We will focus on the process of archaeological discovery, the interpretations that result, and their impacts on society.
Prerequisites: NA
Corequisites: NA
Instructor(s): G. Schwartz
Area: Humanities
NA.

AS.130.109. Freshman Seminar: Ancient Homes and Houses. 3.0 Credits.
What will your bedroom tell future archaeologists? What can ancient houses tell archaeologists of past societies? This course explores methods/theories of Household Archaeology in the Near East and beyond.
Prerequisites: NA
Corequisites: NA
Instructor(s): J. Swerida
Area: Humanities
NA.
AS.130.110. Introduction To Archaeology. 3.0 Credits.
An introduction to archaeology and to archaeological method and theory, exploring how archaeologists excavate, analyze, and interpret ancient remains in order to reconstruct how ancient societies functioned. Specific examples from a variety of archaeological projects in different parts of the world will be used to illustrate techniques and principles discussed.
Prerequisites: NA
Corequisites: NA
Instructor(s): E. Anderson
Area: Humanities, Social and Behavioral Sciences
NA.

AS.130.126. Gods and Monsters in Ancient Egypt. 3.0 Credits.
To provide a basic introduction to Egyptian Religion, with a special focus on the nature of the gods and how humans interact with them. We will devote particular time to the Book of the Dead and to the “magical” aspects of religion designed for protective purposes.
Prerequisites: NA
Corequisites: NA
Instructor(s): R. Jasnow
Area: Humanities
NA.

AS.130.135. Pyramids, Temples and Tombs. 3.0 Credits.
Introduction to the monuments and culture of Egypt from 3500 B.C. to 100 A.D. From the pyramids at Giza to Hellenistic Alexandria, this course surveys in slide illustrated lectures the remains of one of the world’s greatest early cultures.
Prerequisites: NA
Corequisites: NA
Instructor(s): B. Bryan
Area: Humanities
Writing Intensive.

AS.130.177. World Prehistory: An Anthropological Perspective. 3.0 Credits.
How and why did our nomadic hunting and gathering ancestors become farmers? What led agricultural societies to build cities, develop writing, religious institutions, wage war, and trade for exotic goods? This course surveys prehistory and ancient history from the origins of human culture to the emergence civilization. Although prehistory and ancient history yield evidence of tremendous cultural diversity this course emphasizes common elements of past human experience, culture, and culture change. These include the origins of modern humans and their adjustment to a variety of post-ice age environments, shifts from hunting and gathering to agricultural lifeways, and the initial development of the world’s earliest cities and civilizations.
Prerequisites: NA
Corequisites: NA
Instructor(s): M. Harrower
Area: Humanities, Social and Behavioral Sciences
NA.

AS.130.203. Archaeology of Africa: From Human Origins to the Emergence of Civilizations. 3.0 Credits.
This course examines Africa’s ancient past from the emergence of biologically modern humans, ancient hunter-gatherers, the earliest animal herding and farming populations, to cities and civilizations. While Egypt plays an undeniably central role in world history, this course concentrates in particular on ancient geographies other than Egypt.
Prerequisites: NA
Corequisites: NA
Instructor(s): M. Harrower
Area: Humanities
NA.

AS.130.213. Introduction to Ancient Egyptian Art. 3.0 Credits.
This class is a combination of illustrated lecture and discussion, punctuated with visits to museums with Egyptian collections. Participants must be able to join at least one overnight trip to New York and/or Boston (weekend) and be available for two half day visits to Philadelphia and Washington, D.C. or elsewhere (TBA as best for participants), in addition to visiting Baltimore institutions with the class as part of the course. Discussion of sculpture will take place in front of the objects, so attendance is important for the visits.
Prerequisites: NA
Corequisites: NA
Instructor(s): B. Bryan
Area: Humanities
NA.

AS.130.219. The Art of War and Peace in Ancient Mesopotamia. 3.0 Credits.
Ancient Mesopotamia, modern-day Iraq, Syria, and Iran, is the “cradle of civilization.” It witnessed new inventions previously unknown to the ancient world: urban cities, writing systems, kingship, and empires. This course examines the close relationship between war and peace and art in ancient Mesopotamia (ancient Sumer, Babylonia, and Assyria) from 3500 to 539 BCE. During the semester students will be introduced to the art, architecture, and archaeology of ancient Mesopotamia. This course is aimed at students without a previous background in art historical or archaeological approaches to Mesopotamia, but more advanced students are welcome.
Prerequisites: NA
Corequisites: NA
Instructor(s): A. Taylor
Area: Humanities
NA.

AS.130.328. Ancient Egypt /Africa. 3.0 Credits.
Recent excavation and research have shed light on several ancient cultures of the Nile and its tributaries. We will look at the available archaeological and textual (all Egyptian) evidence for these societies and their interactions with Egypt between 3500 and 300 B.C. We will also discuss research aims and methods employed now and in the past in Egypt and the Sudan.
Prerequisites: NA
Corequisites: NA
Instructor(s): B. Bryan
Area: Humanities
Writing Intensive.
AS.130.333. Ancient Egypt and Her Neighbors. 3.0 Credits.
An introduction to ancient Egypt's portrayals of and interactions with foreign lands and peoples, including Syria-Palestine to the east and Nubia to the south. Topics include trade, travel, warfare and diplomacy. Textual, iconographical and archaeological sources will be considered.
Prerequisites: NA
Corequisites: NA
Instructor(s): A. Arico
Area: Humanities
NA.

AS.130.334. Egyptian Funerary Arts in the Archaeological Museum. 3.0 Credits.
This class will aim to cover the production and choice of funerary objects for Egyptian elite tombs in several eras of antiquity the Middle and New Kingdoms, the Third Intermediate Period, and the Late Periods. Students will work with specific objects after learning generally about them, and they will carry out analyses of materials, pigments, construction methods, and erosion and degradation effects. They will create a virtual exhibition for the Museum's website and present their results for inclusion in the museum cataloguing project.
Prerequisites: NA
Corequisites: NA
Instructor(s): B. Bryan; S. Balachandran
Area: Humanities
NA.

AS.130.351. The Emergence of Civilization: A Cross-Cultural Examination. 3.0 Credits.
A comparative study of the origins of urban, literate civilizations in five culture areas: Mesopotamia, China, the Indus Valley, Egypt, and Mesoamerica. For each area, we will review the physical setting, the archaeological and textual evidence for the development of states and urban civilization, and theories advanced to explain the rise (and eventual collapse) of these complex societies.
Prerequisites: NA
Corequisites: NA
Instructor(s): G. Schwartz
Area: Humanities, Social and Behavioral Sciences
NA.

AS.130.353. Space Archaeology: An Introduction to Satellite Remote Sensing, GIS and GPS. 3.0 Credits.
This course introduces technologies archaeologists use to map ancient landscapes. These include Geographic Information Systems (GIS) mapping software, advanced Global Positioning System (GPS) receivers, and various types of satellite imagery. Taught together with AS.131.653.
Prerequisites: NA
Corequisites: NA
Instructor(s): M. Harrower
Area: Natural Sciences, Social and Behavioral Sciences
NA.

AS.130.354. Archaeological Method and Theory. 3.0 Credits.
Climate change, population growth, war - what questions do archaeologists ask about the ancient past, how do they collect relevant evidence, and how do they arrive at satisfying answers to their questions? This course will review major theoretical currents in archaeology including evolutionary, cultural-historical, processual and post-processual approaches and discuss the future of archaeology as a scientific and humanistic discipline. Basic techniques for analyzing major categories of artifacts such as lithics, ceramics, archaeobotanical, and zooarchaeological materials will also be introduced.
Prerequisites: NA
Corequisites: NA
Instructor(s): M. Harrower
Area: Humanities, Social and Behavioral Sciences
NA.

AS.130.357. Geographic Information Systems in Archaeology. 3.0 Credits.
Applications of GIS in archaeology have recently expanded dramatically and GIS has now become an indispensable tool for archaeological research worldwide. This course will introduce the major applications of Geographic Information Systems (GIS) in archaeology. These include the history of GIS in archaeology, air photography and satellite imagery, predictive modeling, hydrological modeling, viewsheds, and least-cost routes. It will grapple with theoretical issues manifest in archaeological GIS including conflicts between environment and social understandings of the ancient past, and will foster discussion of issues that affect outcomes of analyses including spatial scale and boundary delineation choices that can dramatically influence results. Students will learn the basics of ESRI's ArcGIS software. Taught with AS.131.657.
Prerequisites: NA
Corequisites: NA
Instructor(s): M. Harrower
Area: Humanities, Natural Sciences
NA.

AS.130.364. Archaeology of Arabia. 3.0 Credits.
This course examines the archaeology of the Arabian Peninsula from the earliest Paleolithic in the region (c. 1.5 million years ago) through the first few centuries of the Islamic era (c. 1000 AD). We will review basic geology and environmental conditions, examine the development of animal herding and crop cultivating lifeways, and scrutinize the rise of ancient South Arabian complex societies and civilizations. Co-listed with AS.131.664.
Prerequisites: NA
Corequisites: NA
Instructor(s): M. Harrower
Area: Humanities
NA.

AS.130.368. Nomads, Tyrants and Kings: Water in the Ancient Near East. 3.0 Credits.
This course explores economic and social histories of water in the ancient Near East. It examines water's diverse roles in ancient Mesopotamian, Egyptian, Levantine and South Arabian agriculture, politics, ritual and religion, including water's interconnected significance in Judaism, Christianity, and Islam. Taught jointly with AS.131.615.
Prerequisites: NA
Corequisites: NA
Instructor(s): M. Harrower
Area: Humanities
NA.
AS.130.376. Ancient Magic and Ritual. 3.0 Credits.
This course will introduce students to the vast body of rituals that were practiced and performed in antiquity, with a particular emphasis on rituals from ancient Mesopotamia, Egypt, and the Hebrew Bible. In addition to examining rituals from a comparative perspective, anthropological and sociological studies of ritual will be read and discussed to shed light on the social, cultural, and political significance of ritual in the ancient world and beyond.
Prerequisites: NA
Corequisites: NA
Area: Humanities

AS.130.377. Creating an Egyptian Temple. 3.0 Credits.
This class will challenge every participant to plan a temple environment for a particular deity. The readings, lectures, and discussions will cover the mythology around specific gods and how it influenced temple architecture, location, ritual, and festivals. It will survey the history of temple building in Egypt, the role of architecture and art – particularly wall reliefs – in communicating the functions of particular parts of temples. The aim is to help students understand what requirements an Egyptian temple needed to fulfill. Then each student will plan a temple for a chosen deity and explain to peers how it meets the ancient requirements.
Prerequisites: NA
Corequisites: NA
Instructor(s): B. Bryan
Area: Humanities
NA.

AS.130.378. Geoarchaeology: Applications of Earth Science to Archaeology. 3.0 Credits.
Geoarchaeology is a multidisciplinary subfield that applies the tools and techniques of earth science to understand ancient humans and their interactions with environments. This course examines basic topics and concepts, including archaeological site formation, paleo-environmental reconstruction, raw materials and resources, soil science, deposition and erosion of wind and water-borne sediments in different environments such as along rivers, lakes and coastlines, radiocarbon and other chronometric dating methods, and ground-based remote sensing, including ground penetrating radar.
Prerequisites: NA
Corequisites: NA
Instructor(s): M. Harrower
Area: Natural Sciences, Social and Behavioral Sciences
NA.

AS.130.384. Old Kingdom Art. 3.0 Credits.
This course will explore the artistic expression of Egyptian culture from the 3rd through the 6th Dynasties, ca. 2700-2100 B.C. Tombs, temples, statuary, and two-dimensional wall decoration provide a large visual vocabulary of Egyptian concepts. This class will look at these elements, separately and in combination in order to consider the intentions behind the art and evaluate the degree to which religious and ideological symbolism, known from later Egyptian art, should be understood in the early pyramid-building era.
Prerequisites: NA
Corequisites: NA
Instructor(s): B. Bryan
Area: Humanities
NA.

AS.130.395. Being... in Ancient Egypt: Ethnicity, Sexuality, and Gender. 3.0 Credits.
What was it like to live in ancient Egypt? At first this question may seem deceptively straightforward. But with further thought, its complexity becomes clear. Who are we concerned with? How the king lived? A poor farmer? His wife or children? A foreign immigrant? Moreover, what is our evidence for life in Egypt? Do all of the sources support similar interpretations? This course will begin to tackle these questions by considering the experiences of different people in ancient Egypt.
Prerequisites: NA
Corequisites: NA
Instructor(s): T. Prakash
Area: Humanities
NA.

AS.130.420. Seminar in Research Methods in Near Eastern Studies: (Auto)biography in the Ancient Near East. 3.0 Credits.
Just as in our time, the peoples of the ancient Near East were greatly interested in their own pasts. One of the most vibrant manifestations of this interest was the writing of biographies, in which ancient authors told the stories of individual lives. These biographies present an enormous challenge to contemporary historians. On the one hand, they offer a wealth of evidence – sometimes our only evidence – about some of the most famous persons of antiquity. On the other hand, the biographies were seldom written according to what we might consider “proper historical method.” How, as modern historians, do we approach these biographies in studying the ancient past? Using a variety of case studies, students will develop skills in specific research skills such as critical reading, analysis, and interpretation. AS.130.420 is required of NES Majors, but is also open to non-majors who have taken at least one 100-level and one 300-level Near Eastern Civilization course, or with the consent of the instructor.
Prerequisites: NA
Corequisites: NA
Instructor(s): J. Lauinger
Area: Humanities
Writing Intensive.

AS.133.615. Representation and Identity in Ancient Egypt. NA Credit.
Using artistic, archaeological, and textual data, this course will apply recent anthropological and archaeological theories for understanding identity to ancient Egypt. In order to successfully approach such a broad concept, which could easily encompass many other topics, we will focus specifically on three different types of identity: ethnic (and cultural), gender, and sexual. Throughout the semester, we will explore how scholars identify past identities and the issues associated with this process. We will also consider the ways in which these identities were fluid, socially or culturally restricted, and self-defined.
Prerequisites: NA
Corequisites: NA
Instructor(s): T. Prakash
Area: Humanities
NA.
Earth Planetary Sciences
AS.270.205. Introduction to Geographic Information Systems and Geospatial Analysis. 3.0 Credits.
The course provides a broad introduction to the principles and practice of Geographic Information Systems (GIS) and related tools of Geospatial Analysis. Topics will include history of GIS, GIS data structures, data acquisition and merging, database management, spatial analysis, and GIS applications. In addition, students will get hands-on experience working with GIS software.
Prerequisites: NA
Corequisites: NA
Instructor(s): X. Chen
Area: Engineering, Natural Sciences

Behavioral Biology
AS.290.101. Human Origins. 3.0 Credits.
This course examines the origins of human structure, function and behavior from an evolutionary perspective. It includes study of the evolution, behavior and behavioral ecology of nonhuman primates, hominid evolution (including the paleontological and archaeological records), and the origins of human cognition, social behavior and culture.
Prerequisites: NA
Corequisites: NA
Instructor(s): P. Holland
Area: Natural Sciences, Social and Behavioral Sciences

Program in Museums and Society
AS.389.201. Introduction to the Museum: Past and Present. 3.0 Credits.
This course surveys museums, from their origins to their most contemporary forms, in the context of broader historical, intellectual, and cultural trends including the social movements of the 20th century. Anthropology, art, history, and science museums are considered. Cross-listed with History and History of Art.
Prerequisites: NA
Corequisites: NA
Instructor(s): J. Kingsley
Area: Humanities, Social and Behavioral Sciences

AS.389.205. Examining Archaeological Objects. 3.0 Credits.
This course considers the role of materials in the production, study and interpretation of objects by examining artifacts from the Johns Hopkins Archaeological Museum. Students will consider materials such as ceramics, stone, metal, glass, wood and textiles, and visit artists’ studios to gain an understanding of historical manufacturing processes. M&S practicum course. Cross-listed with Archaeology, Near Eastern Studies, Classics, and History of Art.
Prerequisites: NA
Corequisites: NA
Instructor(s): S. Balachandran
Area: Humanities

AS.389.240. Archaeological Museum Practicum: Collections Management. 3.0 Credits.
Students will learn current procedures for surveying, cataloguing, documenting and rehousing collections using objects from the Archaeological Museum. This is a hands-on practicum course working closely with museum staff.
Prerequisites: NA
Corequisites: NA
Instructor(s): S. Balachandran
Area: Humanities, Social and Behavioral Sciences

AS.389.250. Conservation of Material Culture: Art, Artifacts and Heritage Sites. 3.0 Credits.
This course will introduce students to the field of art conservation through the study of paintings, paper, books, objects, contemporary sculpture and historic preservation. Topics covered will include: methods of manufacture, agents of deterioration, preservation initiatives, conservation treatment and ethics, and conservation science. Cross-listed with History of Art. Class usually meets at 1:30 - 3:50 PM, except for days with field trips.
Prerequisites: NA
Corequisites: NA
Instructor(s): L. Trusheim
Area: Humanities

AS.389.315. Ancient Color: The Technologies and Meanings of Color in Antiquity. 3.0 Credits.
What role did the colorful surfaces of sculptures, vessels and textiles play in the ancient world? We examine historical texts and recent scholarly and scientific publications on the technologies and meanings of color in antiquity, and use imaging and analytical techniques to study polychromed objects from the Johns Hopkins Archaeological Museum
Prerequisites: NA
Corequisites: NA
Instructor(s): S. Balachandran
Area: Humanities, Social and Behavioral Sciences

AS.389.336. Heritage at Work. 3.0 Credits.
Working with the Catoctin Furnace historic site, students will gain hands-on experience connecting archaeology with interpretive exhibitions, public outreach, and community engagement. Several field trips to Catoctin required. M&S practicum course.
Prerequisites: NA
Corequisites: NA
Instructor(s): E. Comer
Area: Humanities, Social and Behavioral Sciences

AS.389.340. Critical Issues in Art Conservation. 3.0 Credits.
The course examines recent controversies in the conservation of major global art works and sites, raising questions concerning the basic theoretical assumptions, practical methods and ethical implications of art conservation. Cross-Listed with History of Art and Anthropology
Prerequisites: NA
Corequisites: NA
Instructor(s): S. Balachandran
Area: Humanities

AS.389.360. Object Conservation. 3.0 Credits.
The course examines the conservation of material culture in context of the history of art, and the conservation treatment of works of art. Students will gain hands-on experience in the conservation of paintings, paper, books, objects, contemporary sculpture, and historic preservation. Topics covered will include: methods of manufacture, agents of deterioration, preservation initiatives, conservation treatment and ethics, and conservation science. Cross-listed with History of Art. Class usually meets at 1:30 - 3:50 PM, except for days with field trips.
Prerequisites: NA
Corequisites: NA
Instructor(s): L. Trusheim
Area: Humanities
AS.389.349. Art, Museums and the Law. 3.0 Credits.
This course will introduce and examine the legal systems that structure and guide museums' management of collections and relationships with artists, employees, the public, the state, and the international community.
Prerequisites: NA
Corequisites: NA
Instructor(s): W. Levandusky
Area: Humanities
NA.

AS.389.440. Who Owns Culture?. 3.0 Credits.
This seminar explores the complicated, often explosive concept of cultural property, including questions surrounding the ownership, preservation, and interpretation of artifacts, monuments, heritage sites, and living traditions. Cross-listed with Anthropology and History of Art.
Prerequisites: NA
Corequisites: NA
Instructor(s): E. Rodini
Area: Humanities, Social and Behavioral Sciences
NA.

Environmental Health and Engineering
EN.570.406. Environmental History. 3.0 Credits.
Environmental history explores the interactions between social change and environmental transformation, or the ways in which societies modify landscapes and are themselves affected by geological, climatological and changing ecological conditions. Topics include the relationship between climate change and human evolution, the environmental impacts of market-based commodity production and regional economic specialization; the relationship between urbanization and environmental change; how warfare affects and is affected by environmental conditions.
Prerequisites: NA
Corequisites: NA
Instructor(s): E. Schoenberger
Area: Humanities, Social and Behavioral Sciences
Writing Intensive.