### ANP

#### Biological Anthropology

**ANP 120: Introduction to Biological Anthropology**

An introduction to the evolutionary study of humans and nonhuman primates. The course provides an overview of basic evolutionary thought and principles; human variation and environmental adaptation; the anatomy, ecology, and behavior of nonhuman primates; the fossil record of nonhuman primates and human ancestors; current research on human origins; human behavior in an evolutionary context. When offered, ANP 121 is the associated laboratory component of ANP 120.

**DEC: E**  
**SBC: SNW**  
**3 credits**

**ANP 121: Biological Anthropology Laboratory**

Laboratory exploration of the fundamentals of Biological Anthropology based on a survey of the diversity and evolutionary history of humans and nonhuman primates. The development of scientific and evolutionary thought and method. The biological basis of inheritance and variation. Human variations and adaptations in relation to the environment. Physical characteristics and behavior of living primates. Evolution of primates and current research on human origins. Two hours of laboratory per week during which students will experience the research process, methods, and skills, and learn to collaborate in formal inquiry. Not for credit in addition to ANP 120 as offered prior to Fall 2010.

**Corequisite: ANP 120**  
**1 credit**

**ANP 201: Human Evolution**

An overview of the evolution of the human lineage from its origins to the appearance of modern humans. Our evolutionary history involved some dramatic changes in anatomy and behavior, and we will explore both the significance of these changes, and the methods that scientists use interpret them. The human fossil record is abundant, and will be our central focus. Emphasis will be placed on how we learn things about the past, as well as what we know.

**Advisory Prerequisite: ANP 120, GEO 102, GEO 103, GEO 109, or any BIO course**  
**DEC: E**  
**SBC: SNW**  
**3 credits**

**ANP 220: Controversies in Human Biology and Behavior**

The study of controversially debated issues in the work of Physical Anthropologists. Surveys general aspects of primate and human behavior, human variation and adaptation, and the evolution of humans and human ancestors exploring previous and recent debates that have centered around issues such as for example the concept of evolution, gender roles and mating systems, role of aggression, and the role of hunting and gathering.

**Advisory prerequisite: Introductory Anthropology or Biology course**  
**DEC: H**  
**SBC: STAS**  
**3 credits**

**ANP 250: Forensic Anthropology**

This is an introductory survey course to the field of forensic anthropology. Topics that focus on the medicolegal significance of the recovery and analysis of human remains will be covered. Postmortem taphonomic processes that can affect a body, and determination of time since death will be discussed. Particular attention will be paid to the determination of personal identity, such as sex, age and stature, from skeletal remains, and the analysis of skeletal trauma and cause of death. Contemporary issues such as mass disasters and human rights issues will be covered.

**DEC: E**  
**SBC: SNW**  
**3 credits**

**ANP 300: Human Anatomy**

An introduction to the structure of the human body considered from both systems and regional approaches. Subject matter includes the musculoskeletal, respiratory, nervous, cardiovascular, digestive, and urogenital systems, together with an appreciation of these systems in a regional anatomical context. Laboratory sessions entail examination of plastic models, exercises in living anatomy and computer "dissection." Instructor permission required to repeat ANP 300. This course has been designated as a High Demand/Controlled Access (HD/CA) course. Students registering for HD/CA courses for the first time will have priority to do so.

**Prerequisite: ANP 120 or one BIO course**  
**DEC: E**  
**SBC: STEM+**  
**4 credits**

**ANP 304: Ecology: Linking People and Nature (with emphasis on the Turkana Basin)**

With the world's longest sequence of datable deposits containing fossils of our ancestors, eastern Africa is the ideal place to examine humans' changing relations with our environment. This course familiarizes students with diverse ecological settings in the region today through tours and field exercises in highland forests, low-altitude grasslands, and lacustrine and riparian settings. Students learn various methods for paleoenvironmental reconstruction, and practice integrating different kinds of paleoenvironmental evidence in the field and laboratory facilities at TBI-Turkwel, Kenya. Examining modern vegetation and fauna in central and northwest Kenya shows students how human actions can degrade or conserve environments and resources in eastern Africa today.

**Prerequisite: Permission of the instructor/Study Abroad office**  
**DEC: E**  
**SBC: SNW**  
**3 credits**

**ANP 305: Earth & Life Through Time: Vertebrate Paleontology & Paleoecology (emphasis on Turkana Basin)**

Vertebrate fossils are important sources of information about the appearance, evolution, and extinction of major organisms. As such, they provide a valuable window into changes in climate and selection pressures, and organisms' diverse adaptive responses to these changes. They are also significant in placing hominid discoveries within a relative local chronology, and helping reconstruct environments associated with hominid finds. This course acquaints students with methods of vertebrate paleontology employed in different chronological contexts of the Turkana Basin, used to solve diverse theoretical questions.

**Prerequisite: Permission of the instructor/Study Abroad office**  
**DEC: E**  
**SBC: SNW**  
**3 credits**

**ANP 306: Human Evolution (and evidence from the Turkana Basin)**

The Turkana Basin is home to many paleoanthropological discoveries that fundamentally reshaped ideas about human evolution. Richard, Maeve, and Louise Leakey will share perspectives on eight of these finds, including Nariokotome ("Turkana boy") and KNM-WT1700 (the "Black Skull"). Lectures and readings for each discovery will cover: 1) the research questions and strategies that led to the find; 2) the kind of analyses that have yielded the most important interpretive
conclusions about the find; 3) how this
discovery reshaped views of the human past;
and 4) what new directions it catalyzed in
human evolution research. Class activities
consist of lectures by the Leakeys, laboratory
exercises (reconstructions, measurements)
using casts of the 5 kinds, and field trips to
discovery locations.
Prerequisite: Permission of the instructor/Study Abroad office

ANP 307: Comparing Ecosystems in Madagascar
The major goal of this course is to introduce
the biodiversity and diversity of ecosystems
on the island of Madagascar. In addition
to exploring the different habitats within
Ranomafana National Park, we will embark on
a ten-day trip across Madagascar.
Prerequisite: Permission of instructor/Study Abroad office

ANP 308: Paleoenthropological Field Methods in the Turkana Basin
This course is one of three that constitutes the
Turkana Basin Institute Summer Field School,
an opportunity to participate in all aspects
of a paleoanthropological research project,
focusing on practical aspects of vertebrate
paleontology, geology, zooarchaeology
and taphonomy. Students are trained in
field reconnaissance, fossil survey, plotting,
preservation, and collection, analysis and
interpretation. Hands-on examination of fossils
from Plio-Pleistocene or Holocene sites around
Lake Turkana will teach students how human
ancestors and other animals adapted to the
environments around them. Experts from TBI,
Stony Brook, and other institutions provide
instruction in lectures, labs, and via fieldwork
within the context of on-going projects.
Prerequisite: Permission of instructor/Study Abroad office

ANP 310: Environments, Ecosystems
and Evolution: Evidence from the
Turkana Basin
An introduction to the ways scientists use
the fossil and archaeological records to learn
about past changes in Earth’s climates and
environments, and how humanity’s ancestors
responded to those changes physiologically
and technologically. Interdisciplinary lectures
will show evidence from the Turkana Basin’s
paleoenvironmental, fossil and archaeological
records of the dynamic interactions between
the climate, environment, local food webs,
and ancient human populations. This
background will prepare students for training
in paleoanthropological and archaeological
field methods.
Prerequisite: Permission of the instructor/Study Abroad office

ANP 312: Primate Evolution
The evolution of the order Primates from
its origins to the appearance of the human
family. Primate origins; the first primates of
modern aspect; origins and adaptive radiations
of monkeys; appearance and adaptations of
apes and humans. Relevant topics in geology
such as geochronology, paleogeography,
taphonomy, and paleoecology.
Prerequisite: ANP 120

ANP 321: Methods in Studying Primates
Introduction to the concepts and practical skills
needed to conduct scientific work, particularly
in the study of primates, including how to
collect and analyze data focusing on habitat
description, primate densities, use of space,
and social interactions. Topics include design
and presentation of research; ecological field
methods; behavioral observations and other
techniques. Students are required to plan
a small research study and to present their
proposal in class. Some computer work outside
class required.
Prerequisite: Permission of instructor/Study Abroad office

ANP 360: Primate Conservation
Review of endangered species of primates
and case histories of conservation programs in
Asia, Africa, South America, and Madagascar,
highlighting different problems and solutions.
Advisory Prerequisite: ANP 120 or BIO 201
and BIO 204

ANP 391: Topics in Biological Anthropology
Discussion of a topic of current interest in
physical anthropology. May be repeated as the
topic changes.
Prerequisite: ANP 120
Advisory prerequisite: One other ANP course

ANP 399: Advanced Field Research in the Turkana Basin
Intended to follow the Turkana Basin Institute
(TBI) Field School in NW Kenya. It should
facilitate TBI field school alumni participation in
ongoing field projects directed by senior
researchers within the Turkana Basin. Upper-
division Stony Brook undergraduates who
enumerate readiness may undertake a
junior role within a larger project focusing
on archaeology or human ecology (ANT
399) or paleoanthropology or vertebrate
paleontology (ANP 399). The nature of ANP/
ANP 399 offerings each semester will depend
on which senior scholars are conducting
field research and whether their projects
are suitable for undergraduate involvement.
They may include the opportunity to join
a paleoanthropological survey of ancient
landscapes for vertebrate remains (ANP 399),
or to join an archaeological excavation of
a 4000-year-old habitation site (ANT 399).
Credit for each offering is determined for
by the TBI faculty and is consistent for all
registrants.
Prerequisite: Permission of the instructor. One
or more of the following courses: ANP 305,
ANP 306, ANT 304, ANT 307, GEO 303
3-12 credits

ANP 403: Seminar in Biological Anthropology
Research and discussion of selected topics in physical anthropology. May be repeated as the topic changes.

**Prerequisite:** Permission of instructor

**3 credits**

**ANP 404: Human Osteology**

A detailed study of the anatomy of the human skeleton with special emphasis on the interpretation of skeletal remains from archaeological contexts. Consideration is given to the growth, structure, and function of bones, and to forensic aspects such as the determination of age, sex, stature, and pathology from skeletal remains. Students conduct a research project on a human skeleton.

**Prerequisites:** ANP 300; permission of instructor

**3 credits**

**ANP 405: Human Evolution in the Headlines**

Exploration of how anthropologists reconstruct the biology and behavior of extinct human species. The class addresses how anthropologists estimate body size in individual fossils, establish the evolutionary relationships among species, and determine what different species ate when they were alive, among other topics. Topics are approached by reading scientific articles and reading popular accounts of anthropological discoveries and research. Students are encouraged to actively participate in class through presentations and discussion of readings. Emphasis is on developing critical thinking and writing skills. The goals of this class are multifaceted and include learning modern techniques for reconstructing the behavior, systematics, and biology of extinct humans, and discerning between facts, analysis, and interpretation in science. Note: students who have taken ANP 403 with this topic may not take ANP 405 for credit.

**Prerequisite:** ANP 120 or ANP 201

**3 credits**

**ANP 406: Pseudoscience and Anthropology**

Course will examine some common misconceptions, as well as deliberate frauds, related to the field of Anthropology. Bigfoot, Atlantis, and ancient astronauts remain common subjects in mainstream media, but what do we, and what can we, really know about such subjects? In this course we will assemble a basic toolkit for skeptical inquiry, and apply it to several examples of anthropological pseudoscience. Dissecting these cases leads to an investigation of how we can distinguish truth from falsehood, and knowable facts from unknowable conjectures. Lastly, we will try to understand the persistence of pseudoscience and other forms of nonsense in our culture, as these clearly thrive despite their lack of grounding in reality.

**Prerequisite:** ANP 104, ANP 120, and either ANP 201 or ANP 220

**DEC:** H  
**SBC:** STAS

**3 credits**

**ANP 410: Comparative Primate Anatomy**

In-depth examination of the relationship between primate anatomical form and function, with an emphasis on adaptations to locomotion and diet. Topics covered by lecture and in-class assignments include primate musculoskeletal anatomy, natural selection and adaptation, methods in functional morphology, primate diet and locomotion, and the reconstruction of behaviors in extinct primates. Students will write a research proposal to investigate an area of study in primate functional morphology.

**Prerequisite:** ANP 120 or BIO 201

**SBC:** ESI, STEM+

**3 credits**

**ANP 444: Experiential Learning**

This course is designed for students who engage in a substantial, structured experiential learning activity in conjunction with another class. Experiential learning occurs when knowledge acquired through formal learning and past experience are applied to a "real-world" setting or problem to create new knowledge through a process of reflection, critical analysis, feedback and synthesis. Beyond-the-classroom experiences that support experiential learning may include: service learning, mentored research, field work, or an internship.

**Prerequisite:** WRT 102 or equivalent; approval of the instructor and approval of the EXP+ contract (http://sb.cc.stonybrook.edu/bulletin/current/policiesandregulations/degree_requirements/EXPplus.php)

**SBC:** EXP+

**0 credit, S/U grading**

**ANP 447: Readings in Biological Anthropology**

Individual advanced readings on selected topics in physical anthropology. May be repeated up to a limit of 6 credits.

**Prerequisite:** Permission of instructor

**3 credits**

**ANP 459: Write Effectively in Biological Anthropology**

A zero credit course that may be taken in conjunction with any 300- or 400-level ANP course, with permission of the instructor. The course provides opportunity to practice the skills and techniques of effective academic writing and satisfies the learning outcomes of the Stony Brook Curriculum's WRTD learning objective.

**Prerequisite:** WRT 102; permission of the instructor

**SBC:** WRTD

**0 credit, S/U grading**

**ANP 475: Undergraduate Teaching Practicum I**

Work with a faculty member as an assistant in one of the faculty member's regularly scheduled classes. The student is required to attend all the classes, do all the regularly assigned work, and meet with the faculty member at regularly scheduled times to discuss the intellectual and pedagogical matters relating to the course.

**Prerequisites:** U3 or U4 standing; anthropology major; 3.00 g.p.a.; permission of instructor

**SBC:** EXP+

**3 credits, S/U grading**

**ANP 476: Undergraduate Teaching Practicum II**

Work with a faculty member as an assistant in one of the faculty member's regularly scheduled classes. Students assume greater responsibility in such areas as leading discussions and analyzing results of tests that have already been graded. The course in which the student is permitted to work as a teaching assistant must be different from the course in which he or she previously served. Not for major or minor credit.

**Prerequisites:** U3 or U4 standing; anthropology major; 3.00 g.p.a.; permission of instructor

**SBC:** EXP+

**3 credits, S/U grading**

**ANP 487: Independent Research in Biological Anthropology**

Independent research projects carried out by upper-division students. The student must propose the research project, carry it out, analyze the data, and submit the results in a written form acceptable to the sponsor. May be repeated up to a limit of six credits.
ANTHROPOLOGY (ANT) - COURSES

Prerequisite: 15 credits in anthropology; permission of instructor

SBC: EXP+

ANT 488: Internship in Biological Anthropology

Participation in state, local, and national public and private agencies and organizations. Students are required to submit written progress reports and a final written report on their experiences to the faculty sponsor and the department. May be repeated to a limit of 12 credits.

Prerequisites: 15 credits in anthropology; permission of instructor

SBC: EXP+

0-6 credits

ANT 495: Senior Honors Project in Anthropology

First course of a two-semester project for anthropology majors who are candidates for the degree with honors. Arranged in consultation with the department through the director of undergraduate studies, the project involves independent readings or research and the writing of a paper under the close supervision of an appropriate faculty member on a suitable topic selected by the student. Students enrolled in ANP 495 are obliged to complete ANP 496 the following semester. Students receive only one grade upon completion of the sequence ANP 495-496.

Prerequisite: Admission to the anthropology honors program

3 credits

ANT 496: Senior Honors Project in Anthropology

Second course of a two-semester project for anthropology majors who are candidates for the degree with honors. Arranged in consultation with the department through the director of undergraduate studies, the project involves independent readings or research and the writing of a paper under the close supervision of an appropriate faculty member on a suitable topic selected by the student. Students receive only one grade upon completion of the sequence ANP 495-496.

Prerequisite: ANP 495; admission to the anthropology honors program

3 credits

ANT 102: Introduction to Cultural Anthropology

The analysis of social and cultural topics such as kinship, family, marriage, politics, and religious systems, with an emphasis on their particular expression in non-Western societies.

DEC: F

SBC: GLO, SBS

3 credits

ANT 104: Introduction to Archaeology

An introduction to the study of human behavior through the analysis of material residues. Case studies illustrate how archaeologists answer research questions originating in other social sciences, natural history, or humanities disciplines, thereby creating a unique interdisciplinary and long-term perspective on human behavior. The course provides a critical perspective on recent ethical and interpretive controversies about the human past.

DEC: F

SBC: SBS

3 credits

ANT 200: Contemporary and Historical Perspectives on Insular Southeast Asia

The history, politics, and cultures of Indonesia, Malaysia, Singapore, the Philippines, East Timor, and Brunei. Special attention is given to the religious ideas and rituals, and relationships of power throughout the archipelago. The largest country by far in the region, Indonesia, receives most attention.

Prerequisite: ANT 102

DEC: J

SBC: GLO, SBS+

3 credits

ANT 201: Peoples of South America

A survey of the social, cultural, and historical aspects of South American native peoples. Attention is given to issues of demography and biology, ecology, and cultural evolution. In-depth study of selected cultures and comparative study in selected cultural topics form the core of the course. Particular emphasis is given to topics of culture contact, culture change, tribal cultures in a context of national development, and cultural pluralism.

Advisory Prerequisite: ANT 102

DEC: J

SBC: GLO

3 credits

ANT 203: Native Peoples of North America

The various peoples and cultures of North America are studied with respect to their political, educational, linguistic, social, and cultural patterns. Selected societies are studied in depth.

Advisory Prerequisite: ANT 102

DEC: J

SBC: GLO

3 credits

ANT 205: Ancient Japanese Civilization

This course surveys the emergence of early Japanese civilization from prehistoric times to the Nara period in the 8th century A.D. Analytical focus will be placed on specific topics, including the significance of population movement, the influence of Chinese civilization, the centralization of political authority, the development of Japanese language and early literacy, and the roles of ancient Japanese religion and mythology. These topics will be examined from archaeological, anthropological, and historical perspectives. The course aims to provide a thorough foundation for further study in Japanese history and culture.

Prerequisite: U2 standing or higher

DEC: J

SBC: GLO

3 credits

ANT 207: From Cavemen to Vikings: The Prehistoric Archaeology of Europe

Explores the prehistory of Europe from the arrival of the first humans until the end of the Viking Age. We will study Neanderthal and modern human interactions, the ritual systems of Palaeolithic cave painters, the Atlantic societies that built megalithic monuments, the beginnings of agriculture, the Mycenaean culture that became Europe's first civilization, and the Northern European "vikings" and "barbarians" who terrorized Rome and inherited post-classical Europe. The purpose of the course is to critically examine a number of themes and topics, such as subsistence adaptations, island settlement, trade, metallurgy and other technologies, rise of complex societies, early states, writing, religion and mortuary practices, women in ancient society, etc., emphasizing the similarities and differences within areas of Europe.

Advisory Prerequisite: ANT 104

DEC: J

SBC: GLO

3 credits
ANT 208: Zombiology: What the Walking Dead Can Teach Us About Real Humans
Zombie memes have become very popular in culture and media over the past several years. Many aspects of modern zombie lore, as represented in books, movies, and television programs such as The Walking Dead, are germane to understanding important issues in current affairs, science, and other topics of anthropological interest. In this class, we will use scenes from zombie media as prisms through which to examine topics such as the spread of infectious disease in our globalized and densely populated world, predation on humans, forensic analysis of trace evidence like tooth and cut marks, the collapse of civilizations, human behavior in small band societies, violent conflict, etc.

DEC: H
SBC: STAS
3 credits

ANT 210: Sunken Cities and Pirates: The World of Underwater Archaeology
Explores the variety of underwater archaeological sites found around the world, including submerged Stone Age sites in the Old and New Worlds and sunken cities such as Alexandria, Egypt and Port Royal, Jamaica. The class also treats the development of global seafaring through the study of sunken ships, starting with the Bronze Age in the Mediterranean Sea through Viking age ships in northern Europe and the later Age of Exploration. Methods of underwater excavation and site interpretation based on anthropological theory will also be discussed.

DEC: F
SBC: SBS
3 credits

ANT 215: Climate and Culture
Climate change is one of the most important issues facing humans today, but its nature and causes are debated. Interpreting and projecting past, present, and future changes in climate, pinpointing their causes, and understanding their effects on ecosystems and human societies, is extremely challenging. This course acquaints students with the intricacies of climate change debates by 1) Explaining natural causes of climate change; 2) Examining past interactions between climate and human land use; 3) Probing evidence for recent anthropogenic climate change and effects on different populations around the world; and 4) Exploring different viewpoints about climate change today.

DEC: H

SBC: STAS
3 credits

ANT 230: Peoples of the World
A comparative study of the lifeways of selected types of peoples, defined by adaptation, focusing on their ecology, economy, political organization, and social organization. Groups discussed include the gathering-and-hunting Ju/'hoansi of Africa, the horticultural Kaluli of New Guinea, the pastoralist Basseri of Iran, plus selected peasant and migrant groups. Recent changes affecting indigenes, brought about by technological developments and intercultural contact, are discussed.

Prerequisite: ANT 102

DEC: J
SBC: SBS+
3 credits

ANT 250: African Peoples and Cultures
The prehistoric cradle of humankind, Africa is today home to diverse cultures, environments, languages, and economies. Western mass media often generalizes across this immense diversity, or focuses on areas of conflict, famine, or environmental devastation. This course introduces students to Africa via the voices of Africans themselves, or those of anthropologists who have spent many years on the continent.

DEC: J
SBC: GLO
3 credits

ANT 252: Personality and Culture
The role of culture as a factor in personality and character formation and how different cultures handle the basic human drives, especially aggression. The course also discusses cultural influences on gender role, violence and social control, and mental health. Case studies from South America, Oceania, Malaysia, and southern Europe are compared.

Prerequisite: U2 standing or higher

DEC: F
SBC: SBS
3 credits

ANT 260: How We Eat
This course explores how people's food habits are shaped not only by their biological needs, but also by the economic, political, ecological, and social worlds in which they live. The breadth of anthropology (biological anthropology, cultural anthropology, and archaeology) is brought to bear on issues including the economic and political underpinnings of American as well as other food cultures; the relationship between food habits and health (both over-and under-eating); the environmental impacts of various methods of food production; the relationship between food and social status; gendered food production as well as food consumption; food's role in religion; ethical eating; the limits of current knowledge (e.g., changing dietary recommendations); and the socioeconomic pressures that keep individuals eating according to cultural norms. The class discusses foodways in a variety of present and past cultures, but the emphasis is on modern American food culture and the cultural, economic, ecological, and political realities that shape it. Students will explore how these realities affect their own lives and eating habits.

DEC: K
SBC: SBS, USA
3 credits

ANT 268: Archaeology of Human Origins
A survey of the archaeological evidence for behavioral variability and adaptation by early humans during the course of the Pliocene, and Early-Middle Pleistocene epochs (2.5-0.1 million years ago). Topics include early stone tool use, origins of hunting, early fire use, adaptations to glacial climates, behavioral differences among hominins living in Africa, Europe, and Asia. Previously offered as ANT 368; not for credit in addition to ANT 368.

Advisory Prerequisite: ANT 104

DEC: E
SBC: SNW
3 credits

ANT 270: Great Archaeological Discoveries
Recent controversies surrounding the most important social transitions in human prehistory. These include the origin of modern human societies, the rise of agrarian communities, and the formation of early states, all examined in cross-cultural perspective. Major theories and models of human sociocultural evolution are tested with evidence from the best-documented archaeological sites in Africa, Eurasia, and the Americas.

Prerequisite: U2 or higher standing

Ant Prequisite: ANT 104

DEC: F
SBC: GLO, SBS
3 credits

ANT 290: Science and Technology in Ancient Society
Examination of the role of advances in science and technology in societies ranging from the earliest humans to the archaic civilizations of the Old and New Worlds. The course focuses on such innovations as tool making, fire, metallurgy, writing, mathematics, complex architecture, and relates these innovations to changes in sociopolitical organization.

**Prerequisite:** one D.E.C. E or SNW course

**DEC:** H  
**SBC:** STAS

3 credits

**ANT 305: Culture and Language of Madagascar**

The major goal of this course is to introduce students to the Malagasy culture. Students will attend formal classes with native Malagasy speakers meet with local community and school groups, and attend a variety of cultural activities within the towns and villages that surround RNP.

**Prerequisite:** Permission of instructor/Study Abroad office

**SBC:** GLO, SBS+

3 credits

**ANT 307: Prehistoric Archaeology of Africa (with emphasis on the Turkana Basin)**

Tools changed early humans from one among many African primates to the equivalent of a global geological force. Stone tools and other technologies enabled early hominins to be come the first organisms that could purposefully change their environment to suit their needs. This course traces the development of human technology where it first appears, in Eastern Africa, more than 3 million years ago. Course topics include the cognitive abilities of early humans implied by their technologies, early human adaptation and social behavior, and the inter-relationships between stone tool technology, paleoecology, and hominin biological evolution. Lectures and practical exercises teach students how to document the archaeological record and how to use it to test hypotheses about early human behavior. Field excursions teach archaeological survey and excavation techniques. Students conduct research and report their findings in writing and in oral presentations. Evaluation is based on quizzes, a final exam, group projects, a research paper, and participation. This course is taught in Kenya during the Turkana Basin Institute Field School Study Abroad program.

**Prerequisite:** Permission of the instructor/Study Abroad office

**DEC:** H  
**SBC:** SBS+, SPK

3 credits

**ANT 310: Ethnography**

A particular cultural area of the world, such as sub-Saharan Africa, Oceania, Mexico and Guatemala, Asia, or the Middle East, is considered in terms of its history and ecology, with a comparative analysis of the cultural systems and social arrangements of representative ethnic groups. The aim of the course is to provide an overview of cultural diversity and uniformity in an area outside of Europe. May be repeated as the topic changes.

**Prerequisite:** ANT 102

**Advisory prerequisite:** One other ANT course

**DEC:** J  
**SBC:** CER, SBS+

3 credits

**ANT 311: Immersion in Another Culture**

A specific world area, such as the highlands of New Guinea or the Nilotic Southern Sudan, or a particularly well-documented people such as the Trobriand Islanders, are considered in detail. Lectures, texts, and films consider ecology, history, social change, language, cultural systems, and social arrangements toward providing students with a comprehensive understanding of another cultural system. May be repeated as the topic changes.

**Prerequisite:** ANT 102

**DEC:** J

**SBC:** SBS+

3 credits

**ANT 320: Historical Archaeology**

Explores the archaeology of North America from the 15th century through the mid-20th century, looking at how historical archaeologists use artificial, documentary, and oral history evidence to reconstruct and interpret the past. Recent theoretical, methodological, and thematic developments in historical archaeology will be examined, along with the study of how material culture can reflect social identity (race, class, gender, ethnicity).

**Prerequisite:** ANT 102

**DEC:** F  
**SBC:** SBS+

3 credits

**ANT 321: Archaeological Field Methods**

An opportunity to participate in all aspects of an archaeological research project. Students are trained in excavation, recording, artifact retrieval, surveying, field sorting techniques, and interpretation. This course is usually held in the summer and involves excavation of a prehistoric or early historic site.

**Prerequisites:** ANT 104; permission of instructor

**SBC:** SBS+

3-6 credits

**ANT 350: Medical Anthropology**

An introduction to the cross-cultural study of health, illness, and curing. Topics covered include the human body as cultural construct, theories of illness causation, alternative medical systems, epidemiology, ethnopharmacology, cross-cultural psychiatry, sex and reproduction, nutrition, and the implications of culture for pain perception, stress, and health risk management.

**Prerequisite:** ANT 102

**DEC:** F  
**SBC:** SBS+

3 credits

**ANT 351: Comparative Religion**

A survey of religious behavior in cross-cultural perspective. The approach is broadly comparative and eminently anthropological, involving theories of origin and evolution of religious systems, as well as the functioning of religious behavior and institutions within the total culture. Case study material is drawn primarily from preliterate societies, but some reference is made to the large organized religious systems of complex stratified societies.

**Prerequisite:** ANT 102

**DEC:** F  
**SBC:** SBS+

3 credits

**ANT 353: Archaeological Analysis and Interpretation**

Laboratory analysis of recently excavated materials from Long Island archaeological sites. Types of prehistoric material analyzed include lithic and ceramic artifacts and the remains of shellfish and vertebrates.

**Prerequisite:** Permission of instructor

3 credits

**ANT 354: Family, Kinship, and Marriage**

Concepts of family, kinship, marriage, incest, exogamy: their source in nature and culture and their social implications. Major theories are discussed historically, demographically, and ecologically. Brief case studies are presented to illustrate theories of social anthropology.

**Prerequisite:** ANT 102

**DEC:** F  
**SBC:** GLO, SBS+

3 credits
ANT 355: Ancient African Civilizations
The archaeology of Africa's later prehistoric and historic periods offers exciting contributions to global debates on the origins of agriculture and civilization. Covering the last 20,000 years, this course begins by examining the economic underpinnings of Africa's complex societies: intensive hunting and gathering, animal domestication, and early farming. Detailed case studies of six ancient civilizations (Egypt, Kerma, Aksum, Jenne, Swahili, and Great Zimbabwe) then demonstrate distinct processes of prehistoric social change in different parts of Africa. The course concludes by discussing African archaeological heritage conservation, research, and public education. This course is offered as both AFS 355 and ANT 355.
Prerequisites: One 100-level course in AFS or ANT; U3 or U4 standing
DEC: J  
SBC: GLO, SBS+  
3 credits

ANT 356: Long Island Archaeology
Explores the archaeological study of food and foodways. The emphasis is on the social aspects of food, particularly its roles in past power structures, social relationships, conceptions of identity, ritual practices, and gender roles. Also covers the theoretical and methodological approaches archaeologists use to study food in the past.
Prerequisite: ANT 104
SBC: SBS+, SPK  
3 credits

ANT 360: Ancient Mesopotamia
The exploration and development of the social, economic, political, and religious systems of ancient Mesopotamia through study of the archaeological and textual records. This course stresses the first two thousand years of this civilization, from 3500 B.C. to 1500 B.C.
Prerequisite: U3 or U4 standing
DEC: J  
SBC: GLO, SBS+  
3 credits

ANT 361: Approaches in Archaeology
A survey of archaeological thought from early antiquarianism through the culture history, processual, and post-processual approaches to the investigation and analysis of past societies. Emphasis is placed on the ways in which changes in archaeological theory reflected changes in ideas within the sister fields of sociology, cultural anthropology, and geography. Other topics discussed include ethnographic analogy, systems theory, site formation processes and spatial analysis.
Prerequisite: ANT 104
DEC: J  
SBC: SBS+  
3 credits

ANT 362: Long Island Archaeology
Explores the archaeology of food and foodways. The emphasis is on the social aspects of food, particularly its roles in past power structures, social relationships, conceptions of identity, ritual practices, and gender roles. Also covers the theoretical and methodological approaches archaeologists use to study food in the past.
Prerequisite: ANT 104
SBC: SBS+, SPK  
3 credits

ANT 363: Male and Female
A study of the manifestation of sex roles in different cultures. Discussion topics include the impact of social, economic and political organization on gender roles and relationships, sexual orientation in cross-cultural perspective, and contemporary theories of gender inequality. Readings present both the male and female viewpoints.
Prerequisite: ANT 102
SBC: ESI, SBS+  
3 credits

ANT 371: Ancient China
Explores the development of social, economic, political, and cultural systems in ancient China, from the neolithic period through the Han dynasty. Draws on archaeological data and historical texts to examine the emergence of state-level polities and their subsequent unification under imperial authority. Analytical focus is on political economy, social organization, ritual exchange, and notions of power and rulership expressed in philosophical thought. This course is offered as both AAS 371 and ANT 371.
Prerequisites: U3 or U4 standing; one D.E.C. F or SBS course
DEC: J  
SBC: SBS+  
3 credits

ANT 372: Family, Marriage, and Kinship in China
Examines forms and dynamics of social organizations in Chinese society, focusing on cultural, social, and economic aspects of family, marriage, and extended kinship relations such as lineages, clans, and sworn brotherhoods. Particular attention is paid to how gender, generation, class, and ritual exchange shape identity, status, and power.
This course is offered as both AAS 372 and ANT 372.
Prerequisite: ANT 102
Advisory Prerequisites: AAS 220 and ANT 354
DEC: J  
SBC: SBS+  
3 credits

ANT 373: Archaeology of Human Dispersals
A survey of the archaeological evidence for the dispersal of Homo sapiens into Eurasia and Australia, and the Americas, large mammal extinctions, origins of art, music, and symbolic behavior, and emergence of hunter-gatherer. Not for credit in addition to ANT 394 topic "Origin of Modern Humans."
Prerequisite: ANT 104
SBC: ESI, SBS+  
3 credits

ANT 377: Animal Tool Use
Tool use and manufacture was once believed to be uniquely human and the distinctive
hallmark of human cognitive advancement. The discovery that some non-human animals, including birds, are capable tool users and in some cases tool makers offers exciting opportunities to examine such behaviors in living species. It opens up important implications for understanding animal intelligence, the emergence of culture and the supposed uniqueness of our own species. This class provides an overview of animal tool use and manufacture to compare and contrast the behavior of humans and animals.

Prerequisite: U3 or U4 standing

DEC: E
SBC: ESI, SNW
3 credits

ANT 379: Ethnicity and Ecology in China
This course explores issues of ethnic and national identity in the context of the social ecology of the Chinese state, both past and present. It focuses on the material and social relationships that have shaped perceptions of, and interactions between, cultural groups in China and along its frontiers. Drawing on case studies from the Himalayan plateau, Yunnan highlands, Inner Asian steppes, Taiwan, and elsewhere, students examine how sustenance strategies, economic organization, and political administration have influenced construct of ethnic identity. This course is offered as both AAS 379 and ANT 379.

Prerequisite: U3 or U4 standing
Advisory Prerequisite: AAS 220 or HIS 219 (or the former CNS 249 or 250)
DEC: J
SBC: SBS+
3 credits

ANT 380: Race and Ethnicity in Latin America and the Caribbean
Concepts and theories of race and ethnicity in Latin American and Caribbean settings. The historical evolution and the contemporary social and cultural significance of racial and ethnic identities within the region are explored. Specific examples of social relations characterized by ethnic or racial conflict are presented. This course is offered as both AFS 380 and ANT 380.

Prerequisite: U3 or U4 standing
Advisory Prerequisite: AFS 240 or LAC 200
DEC: J
SBC: GLO, SBS+
3 credits

ANT 381: Applied Anthropology
A practical, career-oriented examination of how anthropological theory and method can be put to use in non-academic areas such as economic development, public health, environmental conservation, education, technology development, cultural advocacy, business, and law. Coordinated readings provide case illustrations.

Prerequisite: U3 or U4 standing

DEC: F
SBC: SBS+
3 credits

ANT 385: Prehistoric Peoples of the Americas
Life in the Americas from first settlement at the end of the last ice age until the arrival of the Europeans in the 15th and 16th centuries. The culture, history, and evolution of prehistoric peoples of North, Central, and South America are treated. Specific topics covered include settlement by Native Americans, hunting-gathering lifeways, plant and animal domestication, the origins of village life, and state-level societies.

Prerequisite: ANT 104

DEC: F
SBC: SBS+
3 credits

ANT 390: Topics in Social and Cultural Anthropology
May be repeated as the topic changes.

Prerequisite: ANT 102

DEC: F
SBC: SBS+
3 credits

ANT 391: Topics in Social and Cultural Anthropology
May be repeated as the topic changes.

Prerequisite: ANT 102

DEC: F
SBC: SBS+
3 credits

ANT 393: Topics in Archaeology
Topics in archaeology are taught from a social sciences perspectives. Recent topics have included: Origin of Modern Humans, Advent of the Iron Age, Old World Archaeology, and Ancient Egypt. May be repeated as the topic changes.

Prerequisites: ANT 104 and one other anthropology course

DEC: F
SBC: SBS+
3 credits

ANT 395: Religions of the Caribbean
An ethnoarchaeological approach to the relationship among religion, social organization, and identity politics through studying cultural and historical bases of Christianity, Islam, Hinduism, and their related religious manifestations in the Caribbean. Class stratification, ethnic conflict, and fundamentalist movements are explored. This course is offered as both AFS 395 and ANT 395.

Prerequisite: U3 or U4 standing
Advisory Prerequisite: ANT 351

DEC: J
SBC: SBS+
3 credits

ANT 399: Advanced Field Research in the Turkana Basin
Intended to follow the Turkana Basin Institute (TBI) Field School in NW Kenya. It should facilitate TBI field school alumni participation in ongoing field projects directed by senior researchers within the Turkana Basin. Upper-division Stony Brook undergraduates who demonstrate readiness may undertake a junior role within a larger project focusing on archaeology or human ecology (ANT 399) or paleoanthropology or vertebrate paleontology (ANP 399). The nature of ANT/ANP 399 offerings each semester will depend on which senior scholars are conducting field research and whether their projects are suitable for undergraduate involvement. They may include the opportunity to join a paleoanthropological survey of ancient landscapes for vertebrate remains (ANP 399), or to join an archaeological excavation of a 4000-year-old habitation site (ANT 399). Credit for each offering is determined for by the TBI faculty and is consistent for all registrants.

Prerequisite: Permission of the instructor. One or more of the following courses: ANP 305, ANP 306, ANT 304, ANT 307, GEO 303
3-12 credits

ANT 401: Problems in Social and Cultural Anthropology
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Research and discussion of a selected topic in social and cultural anthropology. May be repeated as the topic changes.
Prerequisite: ANT 102
Advisory prerequisite: Two other ANT courses at the 200 level or higher
3 credits

ANT 402: Problems in Archaeology
Research and discussion of a selected topic in the prehistory of the Old and New Worlds. May be repeated as the topic changes.
Prerequisite: ANT 104
Advisory prerequisite: Two other archaeology courses
SBC: ESI, SBS+
3 credits

ANT 405: Cultural Ecology
Using the model of ecological adaptation as a starting point, this course explores the impact of the natural and social environment upon human culture. By the latter is meant the way of life of a particular society: its politics, religion, ways of thought, moral standards, rituals and ceremonies, gender ideals and sex roles, and other aspects of ideology and belief. The course uses two anthropological texts that provide background concepts and terminologies, then exposes students to empirical case studies of ecological adaptation, both in pre-literate and literate societies.
Prerequisite: ANT 102
Advisory prerequisite: 200 level or higher ANT course
3 credits

ANT 410: Ethnobotany and Paleoethnobotany
Explores relations between plants and people, both in present (ethnobotany) and prehistoric (paleoethnobotany, archaeobotany) times. Because ethnobotany and paleoethnobotany are interdisciplinary fields, we will draw on several contributing fields of study, including botany, cultural anthropology, archaeology, conservation. Students will be trained in botanical and social data collection methods in ethnobotanical research and will focus on paleoethnobotanical data collection/analysis: archaeobotanical recovery methods, and principles of curation, identification, and interpretation. Knowledge of ethnobotanical/paleoethnobotanical methods will allow students to evaluate major works during the final weeks of the course.
Prerequisite: ANT 102 and ANT 104. An introductory biology course (BIO 113, BIO 115, or BIO 201) may substitute for one of the ANT courses.
SBC: SBS+
3 credits

ANT 415: Ethnoarchaeology
Ethnoarchaeology uses observations of present-day peoples to inform archaeological inquiry, based on analogies between past and present. Advanced undergraduate and graduate students will develop their ability to construct and evaluate such analogies. Using this skill, they will then explore ways in which ethnoarchaeological data contribute to archaeological research: hypothesis building, survey and excavation strategies, interpretation of site and artifact data, and understanding the causes and processes of human behavioral change. In addition to seminar discussions of theoretical issues and case studies, the course incorporates practical exercises in the surrounding community.
Prerequisite: ANT 104; ANT major or minor
SBC: ESI
3 credits

ANT 417: Primitive Technology
An introduction to the technology of hunter-gatherers. The course examines how archaeologists use both ethnography and experimentation to shed light on prehistoric human technological adaptations. Techniques for making and using primitive tools are practiced.
Prerequisite: Permission of instructor
SBC: ESI, TECH
3 credits

ANT 418: Lithic Technology
A detailed overview of the methods archaeologists use to extract behavioral information from prehistoric stone tools. The course examines raw material economy, technological strategies, tool use, and discard behavior. Analytical methods are practiced through the computer-assisted analysis of tools from simulated archaeological sites.
Prerequisite: Permission of instructor
SBC: ESI, SPK, TECH
3 credits

ANT 419: Zooarchaeology
The study of animal bones from archaeological sites. Special emphasis is on the identification of fragmented bone and surface modification, calculation of indexes of abundance, and measurement and metrical analysis of mammal bone. Computer analysis is stressed, and the class seeks a fusion of traditional zooarchaeology and actualistic studies. Three to four hours of computer laboratory work required per week.
Prerequisites: ANT 104 or ANP 120; permission of instructor
Advisory Prerequisite: One other archaeology course
SBC: SBS+
3 credits

ANT 420: Environmental Analysis Using Remote Sensing and Geographic Information Systems
The use of aerial and satellite imagery in environmental analysis and the manipulation of geographic data sets of all types using Geographic Information Systems. Concentrating on Long Island, each student designs and completes a research project on a particular section of the area, focusing on the habitats of local wildlife, the locations of archaeological sites, coastal regimes, etc. Students should expect to spend approximately 10 hours per week beyond regularly scheduled classes in a University computer laboratory. This course is offered as both ANT 420 and GEO 420.
Prerequisite: Upper-division course in ANT or BIO or GEO or MAR
SBC: TECH
4 credits

ANT 444: Experiential Learning
This course is designed for students who engage in a substantial, structured experiential learning activity in conjunction with another class. Experiential learning occurs when knowledge acquired through formal learning and past experience are applied to a “real-world” setting or problem to create new knowledge through a process of reflection, critical analysis, feedback and synthesis. Beyond-the-classroom experiences that support experiential learning may include: service learning, mentored research, field work, or an internship.
Prerequisite: WRT 102 or equivalent; permission of the instructor and approval of the EXP+ contract (http://sb.cc.stonybrook.edu/bulletin/current/policiesandregulations/degree_requirements/EXPplus.php)
SBC: EXP+
0 credit, S/U grading

ANT 447: Readings in Anthropology
Individual advanced readings on selected topics in anthropology. May be repeated up to a limit of 6 credits.
Prerequisites: ANT 102; two other ANT courses at the 200 level or higher; permission of instructor
3 credits
ANT 458: Speak Effectively Before an Audience
A zero credit course that may be taken in conjunction with any ANP or ANT course that provides opportunity to achieve the learning outcomes of the Stony Brook Curriculum’s SPK learning objective.
Pre- or corequisite: WRT 102 or equivalent; permission of the instructor
SBC: SPK
0 credit, S/U grading

ANT 459: Write Effectively in Anthropology
A zero credit course that may be taken in conjunction with any 300- or 400-level ANT course, with permission of the instructor. The course provides opportunity to practice the skills and techniques of effective academic writing and satisfies the learning outcomes of the Stony Brook Curriculum's WRTD learning objective.
Prerequisite: WRT 102; permission of the instructor
SBC: WRTD
0 credit, S/U grading

ANT 475: Undergraduate Teaching Practicum I
Work with a faculty member as an assistant in one of the faculty member's regularly scheduled classes. The student is required to attend all the classes, do all the regularly assigned work and meet with the faculty member at regularly scheduled times to discuss the intellectual and pedagogical matters relating to the course. Students may not serve as teaching assistants in the same course twice.
Prerequisites: U3 or U4 standing; anthropology major; 3.00 g.p.a.; permission of instructor
SBC: EXP+
3 credits, S/U grading

ANT 476: Undergraduate Teaching Practicum II
Work with a faculty member as an assistant in one of the faculty member's regularly scheduled classes. The student is required to attend all the classes, do all the regularly assigned work, and meet with the faculty member at regularly scheduled times to discuss the intellectual and pedagogical matters relating to the course. In ANT 476, students assume greater responsibility in such areas as leading discussions and analyzing results of tests that have already been graded. Students may not serve as teaching assistants in the same course twice.
Prerequisites: U3 or U4 standing; anthropology major; 3.00 g.p.a.; permission of instructor
SBC: EXP+
3 credits, S/U grading

ANT 487: Independent Research in Anthropology
Independent research projects carried out by upper-division students. May be repeated up to a limit of six credits.
Prerequisites: 15 credits in anthropology; permission of instructor
SBC: EXP+
0-6 credits

ANT 488: Internship
Participation in local, state, and national public and private agencies and organizations. Students are required to submit written progress reports and a final written report on their experiences to the faculty sponsor and the department. May be repeated up to a limit of 12 credits.
Prerequisites: 15 credits in anthropology; permission of instructor
SBC: EXP+
0-6 credits, S/U grading

ANT 495: Senior Honors Project in Anthropology
First course of a two-semester project for anthropology majors who are candidates for the degree with honors. Arranged in consultation with the department through the director of undergraduate studies, the project involves independent readings or research and the writing of a paper under the close supervision of an appropriate faculty member on a suitable topic selected by the student. Students enrolled in ANT 495 are obliged to complete ANT 496 the following semester. Students receive only one grade upon completion of the sequence.
Prerequisite: Admission to the anthropology honors program
3 credits

ANT 496: Senior Honors Project in Anthropology
Second course of a two-semester project for anthropology majors who are candidates for the degree with honors. Arranged in consultation with the department through the director of undergraduate studies, the project involves independent readings or research and the writing of a paper under the close supervision of an appropriate faculty member on a suitable topic selected by the student. Students receive only one grade upon completion of the sequence.
Prerequisite: ANT 495; admission to the anthropology honors program
SBC: EXP+
3 credits