ANP

Biological Anthropology

ANP 120: Introduction to Biological Anthropology
An introduction to the evolutionary study of humankind based on a survey of the diversity and evolutionary history of 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. 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 200: The Evolution of Human Behavior
An examination of how evolutionary theory informs our understanding of human behavior, psychology and culture. Topics include assessing what behavioral traits are unique to humans and critical to our ecological expansion. Course will provide a synthetic overview of current topics in human behavioral ecology, evolutionary psychology, and gene-culture coevolution.

Prerequisite: ANP 120 or BIO 201 or BIO 202

DEC: F
SBC: SBS+
3 credits

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 204: Research Skills
Gives students an understanding of and experience with the basic research skills that are needed to do biological and anthropological research. The course includes practical skills in reading and understanding anthropological and biological scientific literature, presentation skills, making scientific posters in biology and anthropology, writing complex arguments, and database management. The accompanying lab section introduces the software that is used to acquire these skills and provides students with practical experience in using them with respect to their own research interests.

Prerequisite: one course chosen from the following: ANP 120, ANT 104, BIO 201, BIO 202, BIO 203

SBC: ESI, SPK
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 230: Computer-based Biostatistics
An introductory course in statistical analyses, specifically focusing on techniques relevant to research designs in the biological and anthropological sciences. The accompanying lab section will provide students with practical experience in using statistical software to run analyses. This course is offered as both ANP 230 and EBH 230.

Prerequisite: satisfaction of entry skill in mathematics requirement or level 2+ on the mathematics placement examination

DEC: C
SBC: QPS
4 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 303: 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 to understand the root causes of environmental issues facing humans and the planet today, and how we might best respond.

Prerequisite: Permission of the instructor/Study Abroad office

DEC: E
SBC: SNW, SPK
3 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 human changes with our environment. This course familiarizes students with diverse ecological settings in the region today through fieldwork 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 and Life Through Time: Vertebrate Paleontology and Paleoecology (with emphasis on the 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
DEC: H
SBC: STEM+
3 credits

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
DEC: E
SBC: SNW
3 credits

ANP 316: The Evolution of the Human Brain

Provides a detailed overview of how the human brain has evolved, placing it in a broader primate, mammalian, and vertebrate context. Emphasizing the interaction between brain and behavior, the course will detail how adaptation has shaped the brain across millions of years of evolution. The central theme throughout the course will be to what extent we can consider the human brain as 'special' compared with other species, and, if so, what sets it apart.

Prerequisite: ANP 120 or any Biology course
DEC: E
SBC: STEM+
3 credits

ANP 321: 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
SBC: STEM+
3 credits

ANP 325: Primate Behavior

An introduction to primate social systems and the factors that influence their maintenance and evolution, including foraging strategy, demographic processes, mating and rearing strategies, conflicts and coalitions, and communication.

Prerequisite: ANP 120
DEC: E
SBC: ESI, STEM+
3 credits

ANP 326: Lemurs of Madagascar

The course explores the biology, ecology, social behavior, and conservation of Madagascar's lemurs. We will discuss case studies based on current field and captive research, in this way highlighting important principles in behavior and ecology. Critical thinking on current topics in general primate behavior will be emphasized through various discussion formats. The evolutionary continuum between humans and other primates will be explored. Throughout the course, we will pay attention to conservation threats that menace the well-being of lemur today.

Prerequisite: Permission of instructor/Study Abroad office
SBC: STEM+
3 credits

ANP 331: Hormones and Behavior

Examines the relationship between hormones and behavior, both in terms of how hormones affect behavior, and how behavioral interactions can alter hormones. Because hormonal structure and function is remarkably conserved across vertebrates, we will take a comparative approach, exploring data from a variety of vertebrate model systems, while maintaining a keen eye on how such models inform of us about hormones and behavior in humans and non-human primates. Topics to be explored include sex determination, reproductive behavior, personality, dominance and aggression, biological rhythms, the stress response, and the role of endocrine disrupting chemicals in behavior.

Prerequisite: one of the following courses: ANP 120, BIO 201, BIO 202, BIO 203, PSY 250
SBC: STEM+
3 credits

ANP 350: 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

3 credits

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

DEC: H
SBC: STAS
3 credits

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
3 credits

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 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

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: ANT 104, ANP 120, and either ANP 201 or ANP 220

DEC: H
SBC: STAS
3 credits

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 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.
Prerequisite: 15 credits in anthropology; permission of instructor
0-6 credits

ANP 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, S/U grading

ANP 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

Prerequisite: ANP 495; admission to the anthropology honors program
3 credits

ANT

Anthropology, Cultural and Archaeology

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: ANP 495; admission to the anthropology honors program
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.
Prerequisite: ANP 495; admission to the anthropology honors program
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.
Prerequisite: ANP 495; admission to the anthropology honors program
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: Admission to the anthropology honors program
DEC: U2 standing or higher
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 Mycenaen 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
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 indigens, 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 course 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.

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 (2.7-0.1 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

Advisory Prerequisite: 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 296: Anthropology of the European Mediterranean
This course explores the societies and cultures of the southern European countries with emphasis placed on rural/agrarian
adaptations, gender relations, ritual, religion and folklore, social stratification and social class, community organization, and rural-urban distinctions. Students will read case studies from Portugal, Spain, Italy, and Greece, as well as background material on “The Mediterranean” as a social and cultural construct. The monographs for this course cover mainly the post-War period, from the 1950s and up to the present, but a brief time is spent on the historical background from classical antiquity to the modern period. Not for credit in addition to ANT 396 with the topic “The Mediterranean.”

Prerequisite: ANT 102

DEC: I
SBC: SBS+
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 become 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 artifactual, 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 104
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 on Long Island.

Prerequisites: ANT 104; permission of instructor
SBC: EXP+
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
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are discussed historically, demographically, and ecologically. Brief case studies are presented to illustrate theories of social anthropology.

Prerequisite: ANT 102
DEC: J
SBC: GLO, SBS+, WRTD
3 credits

ANT 359: The Archaeology of Food
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: GLO, WRTD
3 credits

ANT 360: Ancient Mesopotamia
The organization and development of the political, economic, social, 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+, WRTD
3 credits

ANT 361: Peasants
The concept of peasantry from political, religious, cultural, and social-class perspectives, as well as from the more traditional economic viewpoint. These agricultural peoples are described and analyzed especially in relation to the national societies of which they form a part. Case studies from Latin America, Europe, and Asia are used as illustrations. Special attention is given to the agrarian political movements and revolutions in the Third World.
Prerequisite: ANT 102
DEC: F
SBC: SBS+
3 credits

ANT 362: Long Island Archaeology
Life on Long Island from its first settlement by Native Americans 12,000 years ago until the end of the 17th century. Trends and changes in human behavior are studied in the context of environmental and cultural processes affecting all of northeastern North America.
Prerequisite: ANT 104
DEC: J
SBC: SBS+
3 credits

ANT 363: 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: F
SBC: ESI, SBS+, WRTD
3 credits

ANT 367: 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
DEC: F
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.
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This course is offered as both AAS 372 and ANT 372.

Prerequisite: ANT 102
Advisory Prerequisite: 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 during the Late Pleistocene epoch (128,000-13,000 years ago). Topics include African origin of Homo sapiens, dispersals into Eurasia, 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+, WRTD
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, Yuman 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
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: GLO, HFA+
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: J
SBC: SBS+
3 credits

ANT 387: 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 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 392: 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 394: 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 ethnographic 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
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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
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
SBC: WRTD
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+, WRTD
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+, WRTD
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, WRTD
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+, WRTD
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 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
ANT 459: Write Effectively in Anthropology
A zero credit course that may be taken in conjunction with any 300- or 400-level ANP or 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
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
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
3 credits