ANT

Anthropology, Cultural and Archaeology

ANT 501: Development of Anthropological Theory
Survey of the development of anthropological theory from the 19th century to the present. This course is offered as both ANT 501 and DPA 501.
Spring, 4 credits, Letter graded (A, A-, B+, etc.)

ANT 502: Social Ecology
This course explores theoretical and methodological issues in the study of human social activity and its relationship to ecological systems and the environment. Readings include both classic studies as well as contemporary research, with particular emphasis placed on the various dimensions and scales of social organization and activity, and on the role of cultural, religious, and political institutions in shaping ecological relationship as well as economic behavior.
3 credits, Letter graded (A, A-, B+, etc.)

ANT 503: Social Organization
This course explores theoretical models and empirical observations of human social organization in a comparative perspective, including such topics as demography and behavioral ecology, kinship and marriage, reciprocal exchange, and political dimensions of resource mobilization in small-scale as well as complex societies. Organized around different layers of human sociality, the course examines social dependence among humans and nonhuman primates, evolutionary explanations for human mating strategies, cooperation in child-rearing, paradigms of descent and affinity, and the dynamics of hierarchy and alliance in egalitarian cultures as well as stratified states.
3 credits, Letter graded (A, A-, B+, etc.)

ANT 509: Seminar in European Ethnography
Investigation and discussion of selected topics and problems concerning European societies and cultures. The perspectives of culture history and current fieldwork are employed. This course is offered as both ANT 509 and DPA 509.
Fall, 3 credits, S/U grading
May be repeated for credit.

ANT 511: Paleolithic Archaeology
A survey of the archaeological record of foraging peoples in Africa, Europe, and Asia prior to the emergence of agriculture. The course emphasizes particular problems including the relationship between behavioral and biological change, different adaptive strategies in temperate and tropical zones, the origins of modern humans, and the emergence of complex hunter-gatherer societies. This course is offered as both ANT 511 and DPA 511.
Prerequisite: Any other archaeology course.
Fall, 4 credits, Letter graded (A, A-, B+, etc.)

ANT 512: Comparative Civilizations
A comparative study of the processes of sociocultural evolution from the beginnings of sedentary life to the achievement of early civilization in the Near East, Egypt, the Indus Valley, China, Mesoamerica, and the Andean area. The seminar covers such topics as urbanization, demography, irrigation, craft specialization, militarism, and trade and exchange. This course is offered as both ANT 512 and DPA 512.
Prerequisite: Graduate standing or permission of instructor
Spring, 4 credits, Letter graded (A, A-, B+, etc.)

ANT 513: Origins of Agriculture
This course will trace the history of anthropological thought on the origins of agriculture and will assess the evidence from the Old and New worlds for this economic revolution. The course will not only explore areas where early agriculture is evidenced, but will also contrast these areas with those where agriculture was a later development. Emphasis will be on the environmental, technological, biological, social, and cultural processes associated with the "Neolithic Revolution." This course is offered as both ANT 513 and DPA 513.
Fall, 4 credits, Letter graded (A, A-, B+, etc.)

ANT 515: Theory and Method in Archaeology
Theoretical and methodological approaches employed in archaeology. The goals of the course are to provide an historical perspective on the growth of theory and method in archaeology and to examine in detail some of the pertinent research topics being studied today. This course is offered as both ANT 515 and DPA 515.
Fall, 4 credits, Letter graded (A, A-, B+, etc.)

ANT 516: Research Design in Archaeology
An examination of the ways in which archaeologists develop successful research strategies for arriving at answers to the key questions in the field. Students will analyze grant proposals that received funding from the major sources of funding for archaeology before developing research proposals of their own. The aim of the course is to provide the class with the skills needed to plan their future and compete successfully for funding both for their thesis research and in their future careers.
Fall, 4 credits, Letter graded (A, A-, B+, etc.)
May be repeated for credit.

ANT 517: Primitive Technology
An introduction to the technology of hunter-gatherers. The course examines how archaeologists use both ethnographic and experimentation to shed light on prehistoric human technological adaptations. Techniques for making and using primitive tools are practiced in weekly laboratory sessions.
Fall, 4 credits, Letter graded (A, A-, B+, etc.)

ANT 518: 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 stone tools from simulated archaeological sites.
Spring, 4 credits, Letter graded (A, A-, B+, etc.)

ANT 519: Archaeozoology
An introduction to the study of animal bones from archaeological sites. Special emphasis is on identification of fragmented bone, identification of bone surface modification, calculation of indexes of abundance, and measurement and metrical analysis of mammal bone. Computer analysis is stressed, and the class seeks to synthesize traditional archaeozoology and actualistic studies. This course is offered as both ANT 519 and DPA 519.
Fall, 4 credits, Letter graded (A, A-, B+, etc.)

ANT 520: Principles of Social and Cultural Anthropology
Concepts and principles of social and cultural anthropology: historical background, structure and function, social processes, transactions, culture, communication, continuity, and other change; topics and problems of contemporary interest. Some ethnographic monographs are discussed in terms of their relevance to the general concepts and principles treated in the seminar. This course is offered as both ANT 520 and DPA 520.
ANT 526: The Use of Remote Sensing and GIS in Environmental Analysis
An introduction to the use of aerial and satellite imagery in environmental analysis and the manipulation of geographic data sets of all types using Geographic Information Systems. This course is designed to teach students in archaeology, physical anthropology, and related disciplines, how satellite imagery combined with various maps can be manipulated using GIS software to perform powerful geographic analysis. Although students are eventually likely to use these tools in many different parts of the world, this course focuses on Long Island as a research area, and 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. This course presumes computer literacy and familiarity with database management. Offered as ANT 526 and DPA 526 or HPH 658.

Spring, 3 credits, Letter graded (A, A-, B+, etc.)

ANT 527: Field Methods and Techniques in Archaeology
The course will be held during the summer only. It consists of field and laboratory work on an aspect of Long Island's archaeological heritage. Students' time is divided between surveying and excavation in the field and artifact analysis in the laboratory. Such techniques as map and air photo reading, survey, instruments, stratigraphy, conservation, typology construction, etc. are taught. Students are exposed to the full range of excavation, survey, and laboratory methods and techniques. This course is offered as both ANT 527 and DPA 527.

Prerequisite: Graduate standing or permission of instructor
Summer, 3-9 credits, Letter graded (A, A-, B+, etc.)

ANT 550: Theory and Methodology in Primatology
Comprehensive overview of the theory and methodology used in the study of primate behavioral ecology. Includes ecological field methods, behavioral observations, analytical techniques, nonparametric statistics as well as planning, presenting, and reviewing research. Offered as both ANT 550 and DPA 550.

Fall, 3 credits, Letter graded (A, A-, B+, etc.)

ANT 559: 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.

Fall, 3 credits, Letter graded (A, A-, B+, etc.)

ANT 560: Ancient Mesopotamia
An examination of the cultural history of Mesopotamia based on the archaeological, textual and art historical record. Focusing on the fourth through second millennia, this course investigates both the long term developmental process of this civilization, and ways to understand its settlement systems, urban structure, social and political organization, economic structure and the role played by religion.

Fall, 4 credits, Letter graded (A, A-, B+, etc.)

ANT 561: Peasant Societies and Cultures
The concept of peasantry is examined from political, religious, and social class viewpoints as well as from the more traditional economic view. These agricultural peoples, who are essentially illiterate and preindustrial, are described and analyzed especially in relation to the national societies of which they form a part. This course is offered as both ANT 561 and DPA 561.

Spring, 3 credits, Letter graded (A, A-, B+, etc.)

ANT 562: Long Island Archaeology
Life on Long Island and the surrounding area from its first settlement by Native Americans 12,000 years ago until the end of the nineteenth century. Trends and changes in human behavior are studied in the context of environmental and cultural processes affecting all of northeastern North America.

Spring, 3 credits, Letter graded (A, A-, B+, etc.)

ANT 564: Primate Evolution
The taxonomic relationships and evolutionary history of primates as documented by their fossil record and structural and chemical evidence. Emphasis on primates prior to the origin of the human lineage. This course is offered as ANT 564, DPA 564 and HBA 564.

Spring, 4 credits, Letter graded (A, A-, B+, etc.)

ANT 565: Human Evolution
A survey of the fossil record of hominin evolution through the Pliocene and Pleistocene with emphasis on the morphological structure and function of locomotor, masticatory, and neural systems. Includes utilization of comparative anatomical material and an extensive cast collection. This course is offered as ANT 565, DPA 565 and HBA 565.

Fall, 4 credits, Letter graded (A, A-, B+, etc.)

ANT 567: Primate Behavior and Ecology
A comparative approach to the behavior and ecology of living lemurs, monkeys, and apes. Emphasis is placed on sociobiological theory; life history strategies; morphological adaptations; comparisons of primate communities in Asia, Africa, Madagascar, and South America; and primate conservation. This course is offered as both ANT 567 and DPA 567.

Fall, 4 credits, Letter graded (A, A-, B+, etc.)

ANT 568: Hunters and Gatherers
The course focuses on the relationship between ecology and adaptation to explore the cross-cultural diversity of hunter/gatherers. The first part of the course looks at a number of key theoretical issues and debates that surround the study of hunter/gatherers. Once this foundation is laid, students learn about modern and historic hunter-gatherers from all the major geographic regions of the world. This overview draws on studies from behavioral ecology, ethnoarchaeology and cultural anthropology. The focus of the course is both to explore hunter/gatherer variation in relationship to their environment, and to give students an appreciation of the ways in which hunter-gatherers have been historically documented. The course is designed to be applicable to archaeologists, anthropologists and to those in other disciplines who make inferences about past ways of life.

Spring, 3-4 credits, Letter graded (A, A-, B+, etc.)

ANT 573: Archaeology of Human Dispersals
A survey of the archaeological evidence for the dispersal of Homo sapiens during the Late Pleistocene epoch (128,000-130,000 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, emergence of hunter-gatherers.

Offered Fall
Fall, 3 credits, Letter graded (A, A-, B+, etc.)

ANT 583: Human Demography
The study of human demography has had a long standing focus in anthropology, archaeology, economics and sociology for the simple reason that the distribution and
density of people fundamentally shapes many other aspects of the human condition. Human Demography gives students an overview of population dynamics both as they change through time and differ across cultures. The course starts with outlining the history of population studies. Following this introduction, the three major components of population change - fertility, mortality and migration - are explored in depth. We then survey the seminal transitions in human demographic history from hunting and gathering to domestication and through modern postindustrial times. Drawing from the ethnographic, human ecology, demographic and archaeological literature, students read and discuss human demography from a variety of perspectives. The course includes some simple computations and a lab.

Spring, 3-4 credits, Letter graded (A, A-, B+, etc.)

**ANT 585: Prehistoric Peoples of the Americas**

ANT 585 Prehistoric Peoples of the Americas Life in the Americas from the first settlement at the end of the 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 North Americans, hunting-gathering lifeways, plant and animal domestication, the origins of village life, and state-level societies.

Spring, 3 credits, Letter graded (A, A-, B+, etc.)

**ANT 599: M.A. Thesis Research**

Fall, 0-6 credits, S/U grading

May be repeated for credit.

**ANT 600: Summer Research**

This course is offered as both ANT 600 and DPA 600.

S/U grading

May be repeated for credit.

**ANT 602: Research Seminar in Anthropological Theory**

This course is offered as both ANT 602 and DPA 602.

Fall and Spring, 0-12 credits, S/U grading

May be repeated for credit.

**ANT 610: Individual Research**

Research supervised by faculty. Students must have permission of instructor and enroll in appropriate section. This course is offered as both ANT 610 and DPA 610.

Fall and Spring, 1-12 credits, S/U grading

May be repeated for credit.

**ANT 620: Research Seminar in Topical Problems**

This course is offered as both ANT 620 and DPA 620.

Fall and Spring, 3 credits, S/U grading

May be repeated for credit.

**ANT 630: Research Seminar in Physical Anthropology**

This course is offered as both ANT 630 and DPA 630.

Fall and Spring, 3 credits, S/U grading

May be repeated for credit.

**ANT 640: Research Seminar in Ethnography and Ethnology**

This course is offered as both ANT 640 and DPA 640.

Fall and Spring, 1-3 credits, S/U grading

May be repeated for credit.

**ANT 650: Research Seminar in Archaeology**

**ANT 680: Special Seminar**

Selected topics in cultural and social anthropology. Topics reflect current interests of faculty and graduate students. This course is offered as both ANT 680 and DPA 680.

Fall and Spring, 1-3 credits, S/U grading

**ANT 800: Summer Research**

This course is offered as both ANT 800 and DPA 800.

S/U grading

May be repeated for credit.