

Anthropological Sciences (DPA)

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Degree awarded: Ph.D. in Anthropology

Interdepartmental Doctoral Program in Anthropological Sciences

The Interdepartmental Doctoral Program in Anthropological Sciences (IDPAS), in the College of Arts and Sciences, is an interdisciplinary and interdepartmental program leading to the Ph.D. degree that draws upon faculty and resources from the Departments of Anatomical Sciences, Anthropology, Asian Studies, Geosciences, and History. The goal of the IDPAS is to train students for careers in research and teaching in archaeology, cultural anthropology, and physical anthropology. Students in the Ph.D. program who have already been advanced to candidacy may, upon petition, receive a master's degree without submitting a master's thesis.

Facilities and Research Opportunities

Extensive laboratory space as well as desk space is available for all graduate students. The archaeology and physical anthropology labs housed in the Department of Anthropology provide facilities for the analysis of artifact collections—especially stone tools and faunal remains, application of remote sensing and Geographic Information Systems (GIS), analysis of primate or human remains, and advanced electron microscopy (EM). Housed in the Department are archaeological collections from Africa, Long Island, the Near East, and South America. A fully equipped preparation lab provides opportunities for state-of-the-art mineralized tissue research.

Outside of the Department of Anthropology, interested students have access to the research facilities for comparative primate morphology, human anatomy, and human and primate evolution housed in the Department of Anatomical Sciences, which are at present unparalleled at any other institution. The collections include primate fossils; primate osteological material from Africa, Asia, and South America; and living nonhuman primates, including New and Old World monkeys and lemurs.

Also in the Department of Anatomical Sciences is a biomechanics lab that includes equipment and facilities for force-plate analysis, high-speed cinematography and cineradiography, and three-dimensional morphometrics, as well as bone strain and telemetered electromyography. Scanning and transmission electron microscope facilities are available elsewhere on campus. Students have access to excellent libraries and collections and to campus computing services.

Fieldwork opportunities are available in archaeology, paleontology, and primatology. There are active sites for primate behavior research in Central Africa, Madagascar, and Thailand. The new Turkana Basin Institute provides IDPAS students with access to field opportunities for paleontology and archaeology in northern Kenya. Additionally, the archaeology faculty have active field sites in Eritrea, Kenya, Long Island, Sudan, and Turkey. Paleontological field research is ongoing in Argentina, Ethiopia, India, Kenya, Madagascar, Mali, North America, and South Africa. Ethnographic work is ongoing in China, East Timor, Indonesia, Madagascar, Mexico, Spain, and Venezuela. Students may be invited to participate in these projects.

The Institute for Long Island Archaeology conducts cultural resource management studies throughout the New York metropolitan area and provides support for graduate students interested in local archaeology. The Institute has a research library with extensive holdings on local archaeology and history, and its large collections of prehistoric and historic materials are available for student research projects.

Admission to the Ph.D. Program

Application procedures and requirements determined by Stony Brook University, as set forth in this bulletin, must be followed. Applications will be reviewed by the admissions committee of the IDPAS, and successful applicants will be considered for financial assistance through the award of a teaching assistantship (TA) by the TA committee

of the IDPAS. All rules, regulations, and requirements of the Graduate School, Stony Brook University, must be satisfied in addition to those described in this section. Interested students should request information and application forms as early as possible, especially if they plan to apply for financial aid.

In addition to the admission requirements of the Graduate School, the IDPAS requires:

- A. A bachelor's degree from an accredited college and a minimum grade point average of 3.0 (B) in all undergraduate coursework and 3.25 in the major field of concentration;
- B. Results of the Graduate Record Examination (GRE) General Test;
- C. Test of English as a Foreign Language for international students—minimum score: 550 (paper exam) or 220 (computer-based exam);
- D. Acceptance by the IDPAS and the Graduate School.

Faculty

Distinguished Professors

Distinguished Professor: Fleagle, John, Ph.D., 1976, Harvard University: Primate and human evolution; primate behavior; functional morphology; growth and development.

Distinguished Service Professor: Krause, David W., Ph.D., 1982, University of Michigan: Evolution, form, and function of mammalian dentition; evolutionary history and paleobiology of early mammals, particularly primates.

Distinguished Teaching Professor: Stern, Jack T., Jr., Ph.D., 1969, University of Chicago: Functional morphology of primates; biomechanics of muscle.

Professors

Arens, W., Ph.D., 1970, University of Virginia: Social anthropology; conservation; Africa and the Mediterranean.

Chittick, William C., Ph.D., 1974, Tehran University, Iran: Comparative religious systems; Islam; Middle East.

Demes, Brigitte, Ph.D., 1982, University of Bochum, Federal Republic of Germany: Biomechanics; functional morphology; allometry; primates.

Doran-Sheehy, Diane M., Ph.D., 1989, University at Stony Brook: Primate behavior and ecology, socioecology of African apes.

Gilmore, David, Ph.D., 1975, University of Pennsylvania: Complex societies, stratification, and peasant culture; Europe; Mediterranean.

Grine, Frederick E., Ph.D., 1984, University of the Witwatersrand, South Africa: Hominid evolution; functional morphology of the masticatory apparatus; diet reconstruction; dental anthropology; mineralized tissues.

Hicks, David*, Professor, D.Phil., 1972, Oxford University, England: Religion; kinship; Southeast Asia.

Jungers, William L., Ph.D., 1976, University of Michigan: Primate and human evolution; functional morphology; biomechanics.

Krause, David W., Ph.D., 1982, University of Michigan: Evolution, form, and function of mammalian dentition; evolutionary history and paleobiology of early mammals, particularly primates.

Larson, Susan, Ph.D., 1982, University of Wisconsin, Madison: Functional morphology; primates; biomechanics.

Martin, Lawrence, *Dean of the Graduate School*, Ph.D., 1983, University of London, England: Hominoid evolution; enamel thickness; enamel microstructure and development.

Stone, Elizabeth C., Ph.D., 1979, University of Chicago: Old World archaeology; state formation; ancient economy and society; Near East, remote sensing and GIS.

Wright, Patricia C., Ph.D., 1985, City University of New York: Primate behavior and ecology; rainforest conservation; Madagascar.

**Recipient of the State University Chancellor's Award for Excellence in Research and Creative Endeavor*

Research Professor

Leakey, Meave G., Ph.D., 1968, University of North Wales: Human evolution, primate evolution, Africa.

Associate Professors

Bernstein, David J., Ph.D., 1988, State University of New York at Binghamton: New World archaeology; paleoecology; coastal societies; subsistence studies.

Koenig, Andreas, Ph.D., 1992, Georg-August University, Goettingen, Germany: Primate ecology and behavior; evolution of social behavior; Asia.

Kramer, Karen, Ph.D., 1998, University of New Mexico: Life history theory, reproductive ecology, demography, household economics, evolution of human juvenility, cooperative breeding, Maya, Mesoamerica, Madagascar agriculturalists.

Ruf, Gregory A., Ph.D., 1994, Columbia University: History and anthropology; political and economic anthropology; theory and methodology; rural industrialization; transitions

from socialism; East Asia, China, Overseas Chinese, Japan.

Shea, John J., Ph.D., 1991, Harvard University: Old World paleolithic archaeology; lithic analysis; Near East; Europe; Africa.

Research Associate Professor

Borries, Carola, Ph.D., 1989, Georg-August University, Goettingen, Germany: Primate ecology and behavior, sociobiology; Asia.

Assistant Professors

Hildebrand, Elisabeth, Ph.D., 2003, University of Washington: Archaeology, early farming, Africa, paleoethnobotany.

O'Leary, Maureen A., Ph.D., 1997, Johns Hopkins University: Origin of primates and anthropoids; vertebrate paleontology; mammalian systematics; functional morphology; pattern of evolution.

Rasbury, Troy, E., Ph.D., 1998, University at Stony Brook: Sedimentary geochemistry; chronostratigraphy; geochronology.

Rossie, James, Ph.D., 2003, Yale University: Primate evolution, fossil catarrhines, East Africa.

Seiffert, Eric, Ph.D., 2003, Duke University: The evolution and reconstruction of early placental mammalian phylogeny and biogeography.

Twiss, Katheryn C., Ph.D., 2003, University of California, Berkeley: Old World archaeology; zooarchaeology; origins of agriculture; food; Near East.

Number of teaching assistants/graduate assistants/research assistants, Fall 2005: 28

Number of graduate fellows, Fall 2005: 4

Degree Requirements Requirements for the Ph.D. Degree in Anthropology

For a full description of IDPAS requirements and deadlines, please request "IDPAS Rules, Regulations, Requirements, and Procedures" from the graduate secretary.

A. Course Requirements

Completion of a minimum of 48 graduate credits, maintaining a minimum 3.0 average in all graduate courses. Not more than four credits of SPD or equivalent coursework may be applied toward the satisfaction of IDPAS course requirements.

1. Physical Anthropology: Required courses are (a) DPA 564 Primate Evolution, (b) DPA 565 Human Evolution, (c) DPA 567 Primate Behavior and Ecology. Other required courses toward completion of study in the Evolutionary Morphology track include (a) BEE 551 Principles of Evolution, (BEE 561 Macroevolution

may be substituted for BEE 551 with the permission of the faculty in the student's track), (b) BEE 552 Biometry (an equivalent statistics course, e.g., PSY 501 and PSY 502, may be substituted with permission of the physical anthropology faculty), and (c) DPA 541 Human Evolutionary Anatomy.

Students on the Primate Behavior track must take (1) BEE 551 Principles of Evolution, (2) BEE 552 Biometry (an equivalent statistics course, e.g., PSY 501 and PSY 502, may be substituted with permission of the physical anthropology faculty), and (3) BEE 550 Principles of Ecology or BEE 586 Evolutionary Ecology. Additional elective courses may be completed during the second and third years of study under the supervision of the Guidance Committee.

2. Archaeology Program: Required courses that form the basis of the qualifying examination are:

(a) ANT/DPA 515 Archaeological Theory, (b) a graduate-level Statistics course, and (c and d) two survey courses chosen from ANT/DPA 511 Paleolithic Archaeology, ANT/DPA 513 Origins of Agriculture, or ANT/DPA 512 Comparative Civilizations. Additional requirements include (a) ANT/DPA 516 Research Design in Archaeology, (b) one laboratory methods course chosen from ANT/DPA 517 Primitive Technology, ANT/DPA 518 Lithic Technology, ANT/DPA 519 Zooarchaeology, ANT/DPA 526 Remote Sensing and GIS, or an additional laboratory course approved by committee, and (c) one area course chosen from ANT/DPA 560 Ancient Mesopotamia, ANT/DPA 562 Long Island Archaeology, ANT/DPA 564 African Stone Age, ANT/DPA 585 Prehistoric Peoples of the Americas, or ANT/DPA 650, 651, 652, 653 (with committee approval). Students must also take one elective course outside the archaeology subdiscipline (e.g., ANT/DPA 565 Human Evolution, ANT/DPA 566 Hunters and Gatherers, ANT/DPA 582 Human Demography, ARH 541 Topics in Ancient Art, GEO 521 Isotopes and Trace Element Geology). Students must have had one season of archeological fieldwork (with committee approval) before advancing to candidacy.

3. Cultural Anthropology: Required courses that form the basis of the

qualifying examination are (a) DPA 501 Development of Anthropological Theory, (b) DPA 540 Readings in Ethnography and Ethnology, and (c) DPA 520 Principles of Social and Cultural Anthropology. Other courses required for completion of the cultural anthropology program include (a) DPA 620 Research Seminar in Topical Problems, (b) DPA 640 Research Seminar in Ethnography and Ethnology, and (c) three additional credits of DPA 540 Readings in Ethnography and Ethnology. Other courses that may be taken at the discretion of the student's guidance committee include DPA 509 Seminar in European Ethnography, DPA 561 Peasant Societies and Cultures, and a statistics course.

B. Qualifying Exam

The qualifying examination must be taken after two or three semesters of study (depending upon subfield) and passed at an appropriate level. The qualifying examination is administered to each student by the examination committee of IDPAS. The examination varies by subfield. Students in Physical Anthropology are required to develop a publishable research paper; students in archaeology take an oral exam, while students in cultural anthropology take a written exam. The material covered in the qualifying examination comprises that covered in the courses specified above as well as that covered by the prescribed reading list for the selected field.

C. Language Requirement

The student must select the suitable language(s) necessary for the chosen field of specialization with the approval of the guidance committee. Language tests must be passed prior to advancement to candidacy. Language tests are administered by members of the IDPAS faculty, by special arrangements, or through standardized tests. Before recommending that a student be permitted to engage in fieldwork, the guidance committee may ask the student to demonstrate ability to speak the language required for fieldwork.

D. Preparation of Dissertation Research Proposal

The dissertation proposal is prepared under the direction of the dissertation guidance committee, which is composed of at least three IDPAS faculty members and an external member. The disserta-

tion proposal will be defended orally at a seminar open to the academic community and to which all IDPAS faculty and students are invited at least two weeks in advance. Students should aim to complete and defend their dissertation proposal during their third year in the program. Upon successful defense of the proposal, the student may be advanced to candidacy. The M.A. may be awarded at this point. Dissertation research, writing, and examination are supervised by the dissertation guidance committee.

E. Teaching Requirement

In accordance with Graduate School regulations, every student must gain some teaching experience. This may involve the presentation of a number of lectures in a course offered by a member of an IDPAS faculty. Upon advancement to candidacy, a student may be assigned greater teaching responsibility in the form of an undergraduate course to be prepared and taught under the supervision of a IDPAS faculty member. This arrangement will be made in consultation with the student and with the approval of the TA committee and the student's advisor. No student will be required to teach more than one course per year, and credit for teaching assignments will be given under the aegis of DPA 600.

F. Written Dissertation and Defense

The approval of a written thesis and its successful oral defense to the committee and the University community at large are required.

G. Time Limit

The candidate must satisfy all requirements for the Ph.D. degree within seven years after completing 24 credit hours of graduate courses at the Stony Brook University department or program in which the candidate is to receive his or her degree.

Courses

DPA 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, ABCF grading

DPA 502 Social Ecology

This course explores theoretical and methodological issues in the study of human social activity and its relationship to ecological sys-

tems 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, ABCF grading

DPA 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, ABCF grading

DPA 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

DPA 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, ABCF grading

DPA 512 Comparative Civilizations

A comparative study of the processes of socio-cultural 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, ABCF grading

DPA 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, ABCF grading

DPA 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, ABCF grading

DPA 516 Research Design in Archaeology

An examination of the ways in which archaeologists develop successful research strategies for arriving at answers to 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 research and compete successfully for funding both for their thesis research and in their future careers.

Fall, alternate years, 4 credits, ABCF grading

DPA 517 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 in weekly laboratory sessions.

Fall, alternate years, 4 credits, ABCF grading

May be repeated for credit

DPA 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, alternate years, 4 credits, ABCF grading

DPA 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, odd years, 4 credits, ABCF grading

DPA 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.

Fall, 4 credits, ABCF grading

DPA 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. This course is offered as both ANT 526 and DPA 526 and coscheduled as HPH 658.

Spring, 3 credits, ABCF grading

DPA 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, even years, 3-9 credits, ABCF grading

DPA 540 Readings in Ethnography and Ethnology

A survey of the more important and better documented cultures and societies of selected world ethnographic areas and the implications of data from these for current approaches and problems in ethnology. This course is offered as both ANT 540 and DPA 540.

Spring, 3 credits, ABCF grading
May be repeated for credit

DPA 541 Evolutionary Anatomy

A lecture and laboratory with emphasis on dissection of the entire human body. Includes functional and comparative anatomy with

special emphasis on the musculoskeletal morphology of humans and higher primates. This course is offered as both DPA 541 and HBA 541.

Prerequisite: Permission of instructor
Fall, 8 credits, ABCF grading

DPA 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, even years, 3 credits, ABCF grading

DPA 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, alternate years, 3 credits, ABCF grading

DPA 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, even years, 4 credits, ABCF grading

DPA 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 preliterate 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, ABCF grading

DPA 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 19th 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, ABCF grading

DPA 563 Aspects of Animal Mechanics

An introduction to biomechanics. Covers freebody mechanics and kinetics as applied to vertebrate locomotion. Considers the structure and physiology of muscle as it relates to adaptations of the musculoskeletal system. This course is offered as both HBA 563 and DPA 563.

Prerequisites: Introductory physics and biology or permission of instructor
Spring, odd years, 2 credits, ABCF grading

DPA 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, even years, 4 credits, ABCF grading

DPA 565 Human Evolution

A survey of the fossil record of hominid 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 extensive cast and slide collections. This course is offered as ANT 565, DPA 565, and HBA 565.

Fall, even years, 4 credits, ABCF grading

DPA 566 Studies in Functional Morphology

Introduction to the theory and methods of functional morphology. Various methods of analysis and the application of experimental techniques such as electromyography or bone strain analysis are discussed as they pertain to the understanding of the interaction between form and function. Special emphasis is placed on the analysis of human and nonhuman primate morphology, and the application of this analysis to interpretation of the fossil evidence for human and nonhuman primate evolution. This course is offered as both HBA 566 and DPA 566.

Prerequisite: Permission of instructor

Spring, even years, 2 credits, ABCF grading

DPA 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, odd years, 4 credits, ABCF grading

DPA 568 Hunters and Gatherers

An examination of 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, ethnoarcheology, and cultural anthropology. The focus of the course is both to explore hunter/gatherer variation in relationship to their environment, and to give the 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 those in other disciplines who make inferences about past ways of life.

Spring, 3-4 credits, ABCF grading

DPA 582 Comparative Anatomy of Primates

The comparative anatomy of living primates. Laboratory dissection with emphasis on relating structural diversity to behavior and biomechanics. This course is offered as both

HBA 582 and DPA 582.

Prerequisites: HBA 364 and previous course in human or vertebrate anatomy and permission of instructor

Spring, alternate years, 4 credits, ABCF grading

DPA 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, ABCF grading

DPA 585 Prehistoric Peoples of the Americas

Life on Long Island and the surrounding area from its first settlement by Native Americans 12,000 years ago until the end of the 19th century. Trends and changes in human behavior are studied in the context of environmental and cultural processes affecting all of northeastern North America.

Summer, alternate years, 3 credits, ABCF grading

DPA 600 Practicum in Teaching

1-12 credits, S/U grading

May be repeated once for credit

DPA 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

DPA 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

DPA 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

DPA 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

DPA 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

DPA 650 Research Seminar in Archaeology

4 credits, S/U grading

DPA 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

DPA 699 Dissertation Research On Campus

Prerequisite: Must be advanced to candidacy (G5); major portion of research must take place on SB campus, at Cold Spring Harbor, or at Brookhaven National Lab

Fall, spring, and summer, 1-9 credits,

S/U grading

May be repeated for credit

DPA 700 Dissertation Research Off Campus—Domestic

Prerequisite: Must be advanced to candidacy (G5); major portion of research will take place off campus, but in the U.S. and/or U.S. provinces (Brookhaven National Lab and Cold Spring Harbor Lab are considered on campus); all international students must enroll in one of the graduate student insurance plans and should be advised by an International Advisor

Fall, spring, and summer, 1-9 credits,

S/U grading

May be repeated for credit

DPA 701 Dissertation Research Off Campus—International

Prerequisite: Must be advanced to candidacy (G5); major portion of research will take place outside of the U.S. and/or U.S. provinces; domestic students have the option of the health plan and may also enroll in MEDEX; international students who are in their home country are not covered by mandatory health plan and must contact the Insurance Office for the insurance charge to be removed; international students who are not in their home country are charged for the mandatory health insurance (if they are to be covered by another insurance plan they must file a waiver by the second week of classes; the charge will only be removed if other plan is deemed comparable); all international students must receive clearance from an International Advisor

Fall, spring, and summer, 1-9 credits,

S/U grading

May be repeated for credit

DPA 800 Summer Research

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

0 credit; S/U grading

May be repeated