ANTHROPOLOGY

Department of Anthropology

Chairperson: Michael P. Muehlenbein
Graduate Program Director: Michael P. Muehlenbein

- Anthropology, Ph.D. (https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/college-arts-sciences/anthropology/anthropology-phd/)

Anthropology (ANT)

ANT 4302 Archaeological Theory (3)
Pre-requisite(s): Upper-level standing or consent of instructor
Use of archaeological data in reconstruction of past human cultural systems, with an emphasis on the role of archaeological theory in the process of interpretation.

ANT 4305 Anthropological Theory (3)
Pre-requisite(s): Upper-level standing or consent of instructor
Theoretical approaches to modern-day anthropology, with emphasis on political economy, Marxism, hermeneutics, ecology, and feminism.

ANT 4310 Societies and Cultures of East Asia (3)
Cross-listed as AST 4310
Cultural traits and social structures of China, Korea, and Japan in the context of their development from the traditional to the modern. Special attention on Japanese society in comparison with American society.

ANT 4312 Societies and Cultures of Africa (3)
Current social issues and policies in the light of historical and cultural foundations of selected African countries.

ANT 4320 Culture, Personality and Identity (3)
Cross-listed as SOC 4320
Pre-requisite(s): Upper-level standing or consent of instructor
A thorough investigation of the relationship between the individual and culture/society, with emphasis on the "culture and personality" school of contemporary humanistic social science.

ANT 4321 Climate Anthropology (3)
Cross-listed as ENV 4322
Pre-requisite(s): Upper-level standing or consent of instructor
An introduction to the causes and effects of climate change as it relates to people and power, ethics and morals, environmental costs and justice, and cultural and spiritual survival.

ANT 4325 Medical Anthropology (3)
Biological and sociocultural aspects of human health, disease, development, aging, and health care. Especially emphasized are the developmental, holistic, and cross-cultural perspectives on disease and the life cycle.

ANT 4327 Human Catastrophe and Cultural Response (3)
Cross-listed as ENV 4327
Impact of major catastrophes on human society with emphasis on coping strategies and the utility of disaster theory to help in the recovery process. Issues include disaster, toxic disaster, famine, epidemic, war and natural oppression.

ANT 4330 Epidemiology (3)
Pre-requisite(s): Some facility with quantitative methods, preferably with elementary knowledge of statistics
Epidemiological concepts and skills pertinent to the understanding of diseases. Assessment of cultural, ecological, environmental, occupational, and behavioral factors.

ANT 4332 Global Health Disparities (3)
Pre-requisite(s): Upper-level standing or consent of instructor
Principles of modern medical, biological, and psychological theory are applied to understand how economic and social inequities affect child development and health.

ANT 4334 Child and Family Health in Global Perspective (3)
Pre-requisite(s): Upper level standing or instructor consent
Principles of modern medical practice and evolutionary biology are used to understand family relationships and how/why they affect child development and health in global context.

ANT 4335 The Human Fossil Record (3)
Pre-requisite(s): Upper-level standing or consent of instructor
Seminar on the evolutionary history of humans. Emphasis on fossil evidence and primary texts.

ANT 4340 Environmental Archaeology (3)
Cross-listed as ARC 4340, ENV 4340
Pre-requisite(s): Upper-level standing or consent of instructor
Distributional patterns of archaeological sites within specific environments. Archaeological/environmental field work in Texas, with respect to recent conservation laws protecting nonrenewable archaeological resources.

ANT 4341 Archaeology of the Mediterranean (3)
Pre-requisite(s): Upper-level standing
Environmental and cultural factors that led to the rise and fall of civilizations in the Mediterranean region.

ANT 4344 African Archaeology (3)
Pre-requisite(s): Upper-level standing
A survey of the African archaeological record, from emergence of stone tool technology 2.6 million years ago to the rise of complex civilizations and the African Diaspora.

ANT 4348 Geoarchaeology (3)
Cross-listed as GEO 4348
See GEO 4348 for course information.

ANT 4351 Futuristics (3)
Cross-listed as ENV 4351
Pre-requisite(s): Upper-level standing or consent of instructor
Biological and cultural forces that will likely shape humankind's future. Emphasis on trends in demography, globalization, science, and technology.

ANT 4353 Archaeology of North America (3)
Cross-listed as ARC 4353
An archaeological survey of human societies in the United States and Canada from their earliest appearance in the New World to the arrival of Europeans. One-third of the course will focus on historical archaeology.

ANT 4355 Forensic Anthropology (3)
Cross-listed as FORS 4355
Pre-requisite(s): ANT 3331 or FORS 3331
Forensic anthropological techniques used in civil and criminal court cases, including analysis of skeletal material for sex, age, stature, and biological affinity.
Throughout our evolutionary history, human anatomical structures that have been honed by natural selection will be used to illustrate the unique characteristics of primate vertebrates will be used to illustrate the unique characteristics of comparative evolutionary perspective. Non-human primate and non-livestock populations, and the varying ecological and cultural contexts in which these disease spillovers take place.

Recent developments in human reproductive biology, human development, and disease.

The complex social behavior of primates. Includes field trips. Graduate students produce a comprehensive research paper.

An introduction to applied anthropology where major research components are identified and specific fields such as medical, nutritional, environmental anthropology, and Third World development are discussed.

Primate behavior. The complex social behavior of primates. Includes field trips. Graduate students produce a comprehensive research paper.

Evolutionary Medicine. Application of evolutionary theory to medicine using insights from evolutionary theory (biology) and human evolutionary ecology (biological and cultural anthropology) to inform our understandings of human health, development, and disease.

Sex, Hormones, and Behavior: Human Reproductive Ecology. Recent developments in human reproductive biology, human reproductive ecology, and fertility analysis. The major features of the human reproductive process are considered using a combination of demographic, physiological and evolutionary approaches.

One Health: Connecting Global Health and Conservation Medicine. Analysis of the collaborative efforts among physicians, public health professionals, veterinarians, and social scientists to understand infectious disease exchange at the interface of human, wildlife, and livestock populations, and the varying ecological and cultural contexts in which these disease spillovers take place.

Human Evolutionary Anatomy. Survey of regional and systemic human anatomy viewed from a comparative evolutionary perspective. Non-human primate and non-primate vertebrates will be used to illustrate the unique characteristics of human anatomical structures that have been honed by natural selection throughout our evolutionary history.
ANT 5312 Laboratory Methods in Anthropological Research (3)
Pre-requisite(s): Consent of the instructor
Experience conducting actual research in human evolutionary biology. Students collect data on living humans, perform laboratory analyses, statistical analyses, and manuscript preparation and presentation. Students gain experience with scientific methodology, hypothesis generation and study design, human subjects committees, biosafety and bioethics, biological sample collection, biomarker assays, survey design, and statistical analyses.

ANT 5313 Professional Skills and Grant Writing (3)
Pre-requisite(s): Consent of the instructor
Students learn how granting at the National Science Foundation and National Institutes of Health works, identify research and publication biases, recognize ethical issues in research, distinguish good science from bad attempts at it, identify potential granting opportunities, develop general writing and oral presentation skills, and develop peer reviewing skills.

ANT 5314 Advanced Human Biological Variation (3)
This course examines human biological variation, with a focus on human genetic and phenotypic diversity, adaptation, and health disparities in contemporary global populations. The overall framework for understanding human variation is evolutionary and biocultural. It draws from various scientific disciplines, including anthropology, evolutionary biology, genetics, physiology, nutrition, psychology, and global health.

ANT 5315 Advanced Human Genetics: Evolution and Health (3)
This course covers advanced topics in human genetic and genomic research. We focus on the application of genetic principles to human populations with an emphasis on population history, human evolution, and genes underlying human health and disease. Students are introduced to population genetic statistics, human genomics from an evolutionary standpoint, and standard forms of genome-wide data analysis.

ANT 5325 Advanced Medical Anthropology (3)
Students are taught key concepts in Medical Anthropology to examine how health and wellbeing are socially and culturally constituted in contexts of cultural diversity. We bring key insights from anthropological cross-cultural comparisons to public health and medical practice.

ANT 5331 Advanced Global Health Ethics (3)
Pre-requisite(s): Consent of the instructor
Study of social theory that informs historical transformations in the ethics of global public health, including the history of research and practice in international and population health. Topics include equality and equity, access and competition, homogeneity and diversity, legitimacy and power, responsiveness and exploitation, and moral reasoning and justice, among others.

ANT 5334 Advanced Child and Family Health in Global Perspective (3)
Principles of modern medical practice and evolutionary biology are used to understand family relationships and how/why they affect child development and health in global context. We begin with a brief overview of major issues in global child health practice. We then examine these issues from the perspective of developmental biology, psychology, and evolutionary medicine.

ANT 5336 Advanced Global Health Policy (3)
Pre-requisite(s): Consent of the instructor
Critique of existing domestic and international policy goals that include efforts to improve global health. Special attention (via analyses of case-studies) is given to the ethical and legal principles pertaining to global health policies.

ANT 5V90 Special Problems in Anthropology (1-6)
Pre-requisite(s): Instructor consent
Advanced work in Anthropology on variable topics. Subject and hours of credit agreed upon by student and instructor prior to registration. May be taken more than once provided the content differs substantially from that of any prior offering of the course that the student has taken.

ANT 6V97 Research (1-12)
Pre-requisite(s): Only graduate students prior to candidacy may enroll, and only with consent of the Graduate Program Director
Supervised research for doctoral students developing a dissertation proposal and studying for the preliminary examination required for advancement to candidacy. A student may repeat this course for credit with a maximum of twelve total hours.

ANT 6V98 Internship (1-6)
Pre-requisite(s): Graduate Program Director approval required
Provides graduate students opportunity for internship work experience in research positions with consent of advisory committee.

ANT 6V99 Dissertation (1-12)
Pre-requisite(s): Admission to candidacy and approval from Graduate Program Director required
Research, data analysis, writing, and defense of an approved doctoral dissertation project. Student must have been admitted to candidacy before registering for dissertation hours.