DEPARTMENT OF ANTHROPOLOGY

http://anthropology.tamu.edu

Head: C. A. Werner

Director of Graduate Studies: L. Wright

Director of Undergraduate Studies: S. Athreya

The Department of Anthropology offers programs of study and research leading to a PhD in anthropology. Students admitted to the PhD program may elect to earn an MA en route to their terminal degree. Additionally, a MS in Maritime Archaeology and Conservation is offered as a separate track. Students enrolled within these programs receive training preparing them for professional research and/or teaching careers in academic institutions, governmental agencies, museums or private industry. The department has a well-rounded program in anthropology with offerings in archaeology, biological anthropology and cultural anthropology. The department is particularly noted for its strength and emphasis in the fields of nautical archaeology, the archaeology of the first Americans, archaeological conservation, palynology and paleoethnobotany, behavioral ecology, economic anthropology, globalization, biological anthropology, and zooarchaeology.

Once admitted to the graduate program, students concentrate their academic and research efforts in one or more areas within the Department of Anthropology. The degree plan is prepared by the individual student with the assistance of a faculty advisory committee and the coursework is kept flexible (within the guidelines of graduate studies) in order to allow students to pursue their individual professional goals. In addition, whenever possible graduate students are encouraged to gain teaching and/or research experience as assistants within the department.

Faculty

Alvard, Michael S, Associate Professor
Anthropology
PHD, University of New Mexico, 1993

Athreya, Sheela, Associate Professor
Anthropology
PHD, Washington University in St. Louis, 2003

Bryant Jr, Vaughn M, Professor
Anthropology
PHD, The University of Texas - Austin, 1969

Carlson, David L, Professor
Anthropology
PHD, Northwestern University, 1979

Carlson, Deborah N, Associate Professor
Anthropology
PHD, University of Texas at Austin, 2004

Castor, Nicole M, Assistant Professor
Anthropology
PHD, University of Chicago, 2009

Crisman, Kevin J, Professor
Anthropology
PHD, University of Pennsylvania, 1989

De Ruiter, Darryl J, Professor
Anthropology
PHD, University of the Witwatersrand, South Africa, 2001

Goebel, Frank E, Professor
Anthropology
PHD, University of Alaska Fairbanks, 1993

Graf, Kelly E, Associate Professor
Anthropology
PHD, University of Nevada, Reno, 2008

Green, Thomas A, Professor
Anthropology
PHD, University of Texas, 1974

Gursky, Sharon, Professor
Anthropology
PHD, State University of New York at Stony Brook, 1997

Hamilton, Donny L, Professor
Anthropology
PHD, University of Texas, 1975

Hopkins, Allison L, Assistant Professor
Anthropology
PHD, University of Florida, 2009

Laporte, Catharina M, Instructional Assistant Professor
Anthropology
PHD, Texas A&M University, 2013

Linderholm, Anna E, Assistant Professor
Anthropology
PHD, Stockholm University - Sweden, 2008

Lynch, Darrell W, Lecturer
Anthropology
PHD, University of Tennessee, 2014

Pulak, Cemalettin M, Professor
Anthropology
PHD, Texas A&M University, 1996

Thakar, Heather B, Instructional Assistant Professor
Anthropology
PHD, University of California Santa Barbara, 2014

Thoms, Alston V, Professor
Anthropology
PHD, Washington State University, 1989

Vieira-De-Castro, Luis, Professor
Anthropology
PHD, Texas A&M University, 2001

Wachsmann, Shelley A, Professor
Anthropology
PHD, Institute of Archaeology, Hebrew University, 1991
Waters, Michael R, Professor  
Anthropology  
PHD, The University of Arizona, 1980

Werner, Cynthia A, Professor  
Anthropology  
PHD, Indiana University, 1997

Winking, Jeffrey W, Associate Professor  
Anthropology  
PHD, The University of New Mexico, 2005

Wright, Lori E, Professor  
Anthropology  
PHD, University of Chicago, 1994

Facilities

Thirteen fully-equipped, modern laboratories help the Department of Anthropology carry out its primary function of teaching and providing research facilities for its staff, students and faculty. Two research centers provide opportunities for graduate students to participate in active research projects around the world. The Center for Maritime Archaeology and Conservation conducts underwater excavations around the world and conducts research in new conservation methods for waterlogged artifacts. The Center for the Study of the First Americans conducts excavations on the earliest sites in the Americas and their likely precursors in northeast Asia. The department is affiliated with the Institute of Nautical Archaeology which provides support for research projects involving nautical archaeology and maintains research and laboratory facilities in Bodrum, Turkey. The department also boasts a new ancient genetics laboratory, opening Fall 2016.

Students also work in collaboration with other campus research centers including the stable isotope lab in Geology, the Center for Chemical Characterization in Chemistry (induced neutron activation analysis and inductively coupled plasma mass spectrometry with laser ablation), the Electron Microscopy Lab, the GIS and Remote Sensing Lab in Geography, and the Center for Heritage Conservation in Architecture.

Masters

- Master of Arts in Anthropology (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/liberal-arts/anthropology/ma)
- Master of Science in Maritime Archaeology and Conservation (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/liberal-arts/anthropology/maritime-archaeology-conservation-ms)

Doctoral

- Doctor of Philosophy in Anthropology (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/liberal-arts/anthropology/phd)

Certificates

- Certificate in Conservation Training (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/liberal-arts/anthropology/conservation-training-certificate)

Courses

ANTH 601 Biological Anthropology  
Credits 3.3 Lecture Hours.  
Survey of the field of biological anthropology covering the principles of evolution, human evolution, human adaptation, human variation, primate diversity and evolution, osteology and bioarchaeology.

ANTH 602 Archaeological Methods and Theory  
Credits 3.3 Lecture Hours.  
Development of archaeology as a discipline; methods and theories used in archaeology for reconstructing cultural history and cultural process.

ANTH 603 Seafaring Life and Maritime Communities  
Credits 3.3 Lecture Hours.  
Employs primary and scholarly sources to examine the social organization, work routines, living conditions, and material culture of mariners between 1450 and 1950; broader trends in maritime communities and global seafaring are also investigated.  
Prerequisite: Approval of instructor.

ANTH 604 Cultural Method and Theory  
Credits 3.3 Lecture Hours.  
Survey of the theoretical concepts used in anthropology and how to construct models used in cultural and social anthropology.

ANTH 605 Conservation of Archaeological Resources I  
Credits 4.3 Lecture Hours. 3 Lab Hours.  
Fundamentals and applications of artifact conservation techniques in archaeology.  
Prerequisite: Knowledge of basic chemistry and physics recommended.

ANTH 606 Conservation of Archaeological Resources II  
Credits 4.3 Lecture Hours. 3 Lab Hours.  
Comprehensive study of techniques used in the identification and conservation of metal and wooden artifacts.  
Prerequisite: ANTH 605.

ANTH 607 Historical Archaeology  
Credits 3.3 Lecture Hours.  
Past and present theoretical positions and research strategies in historical archaeology.  
Prerequisite: ANTH 313 recommended.

ANTH 608 Skills in Maritime Archaeology  
Credits 3.3 Lecture Hours.  
Themes and tools of maritime archaeology; topics include remote sensing and mapping as well as interpreting, recording and storing data used in maritime archaeological surveys.  
Prerequisites: Graduate classification; approval of instructor.

ANTH 609 Culture and Evolution  
Credits 3.3 Lecture Hours.  
This seminar will seek to integrate the study of culture with the natural sciences. The foundation of the course is the assumption that culture is a biological adaptation and that we can examine it scientifically.

ANTH 610 Outfitting and Sailing the Wooden Ship 1400-1900  
Credits 3.3 Lecture Hours.  
Archaeological and historical sources to examine the outfitting and sailing of wooden ships between 1400 and 1900, a period popularly known as the "Age of Sail"; emphasis on two aspects that are of particular interest to the nautical archaeologist.  
Prerequisites: Approval of instructor; graduate classification.
ANTH 611 Nautical Archaeology
Credits 3. 3 Lecture Hours.
Introduction to the history and theoretical basis of nautical archaeology as a discipline; fundamental concepts in nautical science relevant to the history of seafaring; key developments in the history of seafaring.
Prerequisites: Approval of instructor and graduate classification.

ANTH 612 Preclassical Seafaring
Credits 3. 3 Lecture Hours.
Seafarers and watercraft of the ancient Near East and Mediterranean until ca. 700 B.C. Types of watercraft used, routes, cargoes, voyages of exploration and economics of maritime trade.

ANTH 613 Classical Seafaring
Credits 3. 3 Lecture Hours.
Culture history of Mediterranean seafarers between ca. 700 B.C. and end of Byzantine Empire; types of ships and boats, sea law, naval tactics, harbor-works, routes, cargoes and economics of trade.

ANTH 614 Books and Treatises on Shipbuilding
Credits 3. 3 Lecture Hours.
Examines a group of theoretical books of shipbuilding from the early 15th to the early 19th century; an overview of the theory and conceptual models with which ships were designed and built from the Renaissance to the 19th century.
Prerequisite: ANTH 616.

ANTH 615 History of Shipbuilding Technology
Credits 3. 3 Lecture Hours.
Design and construction of preserved and excavated sailing ships, the expertise of their builders and technology involved in ancient and early shipbuilding.
Prerequisite: Approval of instructor.

ANTH 616 Research and Reconstruction of Ships
Credits 3. 3 Lecture Hours. 2 Lab Hours.
Techniques of recording and interpreting excavated ships; preservation of hulls; ship drafting, modeling, lofting, testing and other methods used in the research and/or reconstruction of ships.
Prerequisite: Approval of instructor.

ANTH 617 Conservation III--Preservation of Organic Materials
Credits 3. 3 Lecture Hours.
Advanced and experimental methods of organic artifact conservation; emphasis on composite artifacts, gamma radiation polymerization, scanning electron microscope evaluation of artifacts and preservation of traditionally difficult to conserve artifacts.
Prerequisite: ANTH 605.

ANTH 618 Medieval Seafaring in the Mediterranean
Credits 3. 3 Lecture Hours.
Cultural history of seafaring in the Mediterranean region during medieval times; ship types and their uses, naval warfare, sea law, harborworks, routes and cargoes, and maritime economic institutions and practices.
Prerequisite: Approval of instructor.

ANTH 619 Indians of Texas
Credits 3. 3 Lecture Hours.
Detailed study of diverse native/immigrant Texas Indian lifeways/cultures from late pre-European to contemporary times; exploration of historical underpinnings, traditional cultures, especially land-use patterns; detailed assessment of tribal relationships with colonial powers, U.S., Texas governments as evidenced in ethnographic, ethnohistoric, historical materials; application to anthropological, archaeological, and human ecology research.
Prerequisite(a): Graduate classification, ANTH 602, or ANTH 604, or 620, or 650.

ANTH 620 Prehistory of Texas
Credits 3. 3 Lecture Hours.
Survey of Texas prehistory from initial migration of human population 11,500 years ago to extermination or removal of Native American cultures by Europeans; processes of cultural adaptation and change to shifting environments and subsistence material correlates of world views and belief systems.

ANTH 622 Folklore Forms and Methods
Credits 3. 3 Lecture Hours.
Introduction to major genres of folklore, various theories and approaches employed by researchers, and specialized resource materials in the humanities and social sciences.
Prerequisites: Graduate classification in liberal arts and approval of instructor.

ANTH 623 Folk Narrative
Credits 3. 3 Lecture Hours.
Theories and techniques used in the study of major folk narrative genres; folktale and legend; brief survey of other narrative forms, including tall tale, epic, myth, joke, personal and family narratives.
Prerequisites: Graduate classification in liberal arts and approval of instructor.

ANTH 624/GEOG 687 Geoarchaeology
Credits 3. 3 Lecture Hours.
Application of geological concepts and methods to archaeological research; history of geoarchaeology; site formation processes; modification of archaeological sites and sediments; landscape reconstruction and change and their effects on human behavior.
Prerequisite: ANTH 602 or equivalent.
Cross Listing: GEOG 687/ANTH 624.

ANTH 625 Zooarchaeology
Credits 4. 3 Lecture Hours. 3 Lab Hours.
Analysis of animal bones from archaeological sites; inference of how prehistoric peoples hunted, domesticated and used animals.
Prerequisite: Basic knowledge of zoology and archaeology.

ANTH 626 Human Paleopathology
Credits 3. 3 Lecture Hours.
Pathological lesions exhibited in prehistoric or early historic human remains; problems in diagnosing lesions in fossil skeletal remains, and evaluating the occurrence of these lesions in past populations.
Prerequisite: ANTH 425.

ANTH 627 Human Paleonutrition
Credits 3. 3 Lecture Hours.
Evaluation of past human diets and subsistence patterns from the perspective of research in archaeology, zooarchaeology, ethnobotany, bioarchaeology and cultural anthropology.
Prerequisite: 6 hours of advanced courses in anthropology or approval of instructor.
ANTH 628 New World Seafaring
Credits 3. 3 Lecture Hours.
Cultural history of seafaring in the Western Hemisphere from the fifteenth century to the present; ship types and their uses; harbors, commerce, naval warfare, sailing routes, maritime practices.
Prerequisites: ANTH 615 and ANTH 616 or approval of instructor.

ANTH 629 Post-Medieval Seafaring
Credits 3. 3 Lecture Hours.
Cultural history of European seafaring from the fifteenth century to the early twentieth century; ship types and their uses, shipping routes and cargoes, maritime technology and economic institutions, seafaring practices, and naval warfare.
Prerequisites: ANTH 615 and ANTH 616 or approval of instructor.

ANTH 630 Human Evolutionary Ecology
Credits 3. 3 Lecture Hours.
Evolutionary ecology of human behavior and culture, including habitat choice and use of space, time allocation, resource acquisition and allocation, sex and reproduction, altruism and cooperation and the coevolution of genes and culture.
Prerequisite: Graduate classification.

ANTH 631 Primate Behavioral Ecology
Credits 3. 3 Lecture Hours.
Survey the behavioral ecology of the nonhuman primates exploring topics such as their hunting behavior; sexual coercion; language capabilities; culture; tool use; homosexuality; dominance; parental care, ethics of field study and their conservation.
Prerequisite: Graduate classification.

ANTH 632 Archaeology of Death
Credits 3. 3 Lecture Hours.
Ethnographic and archaeological literature regarding human funerary behavior; emphasis on theoretical developments in the interpretation of burials for reconstructing social organization and social change; examine how mortuary practices and archaeological excavation define the burial assemblages studied by bioarchaeologists.
Prerequisite: Graduate classification.

ANTH 633 Deep Submergence Archaeology
Credits 3. 3 Lecture Hours.
Addresses issues in the new field of deep submergence archaeology by examining the discipline's history, technologies, specific case studies of ship wrecks in deep water and related topics. Students will interact with leaders in the field via video conferencing and visiting lecturers.
Prerequisite: Approval of instructor.

ANTH 634 Palynology
Credits 4. 3 Lecture Hours. 3 Lab Hours.
Principles and techniques used in palynology, pollen morphology, ontogeny, biochemistry, dispersion and preservation; role of palynology as a research tool in plant taxonomy agriculture, medicine, paleobotany and anthropology.

ANTH 635 Violence and Warfare
Credits 3. 3 Lecture Hours.
The anthropological study of violence and warfare and the place of these phenomena in cultural evolution, religion, economics, politics and social structure; particular attention paid to the rise of industrialized warfare and its impact on the pre-industrial world.
Prerequisite: Graduate classification.
ANTH 644 Classical Archaeology
Credits 3. 3 Lecture Hours.
History of the discipline through the individuals, organizations, excavations, theoretical models and ethical issues that have shaped it.
Prerequisite: Graduate classification.

ANTH 645 Cultural Resources Management
Credits 3. 3 Lecture Hours.
History of cultural resources management (CRM): current federal and state laws and regulations; methods of determining site significance; the stages of CRM investigations; and the preparation of research designs and proposals; ethical issues such as curation and the treatment of human remains discussed.
Prerequisite: Graduate classification.

ANTH 646 Ceramic Artifact Analysis
Credits 3. 2 Lecture Hours. 3 Lab Hours.
The introduction of the basic concepts, methods, and approaches used in the analysis of archaeological pottery with a focus on the techniques and theories used to bridge the gap between the recovery of ceramic artifacts and their interpretation within various anthropological contexts.
Prerequisite: Graduate classification.

ANTH 647 Lithic Artifact Analysis
Credits 3. 2 Lecture Hours. 3 Lab Hours.
Laboratory-based course reviewing methods archaeologists use to analyze stone tools and debitage, including identification of tool-stone sources, reconstruction of technology, explanation of assemblage variability, and microscopic use-wear analysis.
Prerequisite: Graduate classification and approval of instructor.

ANTH 648 Issues in Human Evolutionary Theory
Credits 3. 3 Lecture Hours.
Examination of core concepts and theories in evolutionary biology and paleoanthropology, including human evolution, the species concept, and the role of the human fossil record.
Prerequisite: Graduate classification.

ANTH 649 Origin and Evolution of the Genus Homo
Credits 3. 3 Lecture Hours.
Survey of the human fossil record with a focus on Plio-Pleistocene specimens assigned to our own genus, Homo; provides an overarching picture of the evolutionary history of humans after the Australopithecines and reviews theoretical issues that have influenced our understanding of the evolution of Homo sapiens.
Prerequisite: Graduate classification or approval of instructor.

ANTH 650 Ethnographic Field Methods
Credits 3. 3 Lecture Hours.
Methods common to anthropology for the field collection of data on cultural behavior.
Prerequisites: Graduate classification and approval of instructor.

ANTH 651 Pleistocene Prehistory of Northeast Asia and Alaska
Credits 3. 3 Lecture Hours.
Survey of the Ice-Age paleoenvironments, prehistory and paleoanthropology of Siberia, China, Japan, and Bering Land Bridge area, especially in the context of human colonization of the region and origins of the first Americans.
Prerequisite: Graduate classification.

ANTH 652 First American Archaeology
Credits 3. 3 Lecture Hours.
Survey of past frontiers in First American studies important to the peopling of the Americas: review of the archaeology, geology, and dating of early sites in North, Middle, and South America; human migration hypotheses; biological evidence; and late Quaternary environmental factors.
Prerequisite: Approval of instructor.

ANTH 653 Hunter-Gatherer Archaeology
Credits 3. 3 Lecture Hours.
Overview of development of hunter-gatherer archaeology; current methodological and theoretical issues, especially use of ethnographic and environmental data; ecologically oriented case studies of late Pleistocene and Holocene hunter-gatherers; emphasis on land-use, site-structure, and site formation analyses, especially in North America.
Prerequisites: ANTH 602 or ANTH 604 or approval of instructor.

ANTH 654 Archaeological Photography
Credits 3. 3 Lecture Hours.
Instruction on how to better use cameras in the process of reporting archaeological sites and material culture by exploring old and new photographic technologies.
Prerequisite: Graduate classification.

ANTH 655 Empires and World-System
Credits 3. 3 Lecture Hours.
Application of the anthropological perspective to the problem of the rise of empires and the modern world-system over the last 600 years of world history; topics include ecocide, ethnocide, ethnogenesis and warfare.

ANTH 656 Ancient Foodways and Cooking Technology
Credits 3. 3 Lecture Hours.
Study of ancient foodways and cooking technologies, particularly fire-based methods, especially in the context of human evolution, subsistence and settlement behavior, social organization, theoretical underpinnings, and archaeological manifestations thereof, with the focus on ancient hunter-gatherer populations, wild plants, terrestrial animals, and aquatic resources.
Prerequisite: ANTH 602 or ANTH 604 or approval of instructor.

ANTH 657 Topics in Technological Organization
Credits 3. 3 Lecture Hours.
Review of current problems in the study of artifact assemblages; focus on theory explaining variability in artifact forms and technologies, especially in the contexts of subsistence and settlement behavior as well as exchange and social organization; alternating sections focus on lithic or ceramic technologies. May be taken two times for credit.
Prerequisite: Graduate classification or approval of instructor.

ANTH 658 Quantitative Ethnographic Methods
Credits 3. 3 Lecture Hours.
Quantitative data collection and analytical methods employed by anthropologists including standardized observation, structured interviews, demography and network analysis; emphasizes hands-on assignments involving data collection among local community.
Prerequisite: Graduate classification.

ANTH 659 The Paleolithic World
Credits 3. 3 Lecture Hours.
Survey of the Paleolithic archaeological record, beginning with the Oldowan and ending with the Upper Paleolithic and dispersal of modern humans to Australia and the Americas; review of major changes in technology, subsistence and land-use strategies that shaped the Paleolithic World.
Prerequisite: Graduate classification or approval of instructor.
ANTH 660 Field Archaeology  
Credits 1 to 12. 1 to 12 Other Hours.  
Field instruction in the methods of archaeological excavations; recovery and cataloging of cultural, floral and faunal remains; and interpretation of these data. Locations of the field course will vary according to site. Field trips required. May be taken more than once but not to exceed 8 hours of credit toward an MA degree and not to exceed 12 hours of credit toward a PhD degree.  
Prerequisite: ANTH 602 or equivalent.

ANTH 661 Environmental Archaeology  
Credits 3. 2 Lecture Hours. 3 Lab Hours.  
Examination of the paleoecological context in which past humans interacted with the natural environment; review of advanced principles, method and theory, and practical applications used in paleoenvironmental reconstruction.  
Prerequisite: Graduate classification or approval of instructor.

ANTH 662 Method and Theory in the Peopling of the Americas  
Credits 3. 3 Lecture Hours.  
Interdisciplinary review of current evidence from the fields of archaeology, genetics, biological anthropology and paleoecology for the dispersal of modern humans to the New World during the Pleistocene; understanding theory and method used to explain prehistoric human migration and colonization of empty lands.  
Prerequisite: Graduate classification or approval of instructor.

ANTH 666 The Neanderthals  
Credits 3. 3 Lecture Hours.  
Origin and evolution of Neanderthals.  
Prerequisite: Graduate classification.

ANTH 667 Human Variation  
Credits 3. 3 Lecture Hours.  
Biological basis of variation in the physical features of modern humans; details of anatomical and physiological differences of living populations to understand their adaptive and historical significance; history of human variation studies rooted in the historical notion of “race”.  
Prerequisite: Graduate classification or approval of instructor.

ANTH 670 Bridging Theme Seminar in Anthropology  
Credits 3. 3 Lecture Hours.  
Examination of topics that bridge two or more subfields in anthropology, including studies of diasporas, dispersals and migration; evolution and ecology; material culture and technology; and food, nutrition, and culture. May be taken three times for credit.  
Prerequisite: Graduate classification.

ANTH 672 Ancient Genetics  
Credits 3. 3 Lecture Hours.  
Ancient DNA and its role in answering anthropological and archaeological questions.  
Prerequisite: Graduate classification or approval of instructor.

ANTH 680 Teaching Anthropology  
Credits 0. 0 Lecture Hours.  
Introduction to course planning for future instructors of anthropology; includes course design, student motivation and engagement, assessment of design and implementation and technology use in education.  
Prerequisites: Graduate classification; admission to graduate program in the Department of Anthropology.

ANTH 684 Anthropology Internship  
Credits 3 to 9. 3 to 9 Other Hours.  
Opportunity to put anthropology learned in the classroom into practice; may be used to gain practical experience in a variety of settings including: local, state or federal agencies; museums; non-profit organizations; non-governmental organizations; and private firms.  
Prerequisites: ANTH 601, ANTH 602, ANTH 604 or ANTH 602, ANTH 615, ANTH 616; approval of committee chair.

ANTH 685 Directed Studies  
Credits 1 to 12. 1 to 12 Other Hours.  
Directed individual study of selected problems in anthropology.  
Prerequisite: Approval of instructor.

ANTH 689 Special Topics in...  
Credits 1 to 12. 1 to 12 Lecture Hours.  
Selected topics in an identified area of anthropology. May be repeated for credit.  
Prerequisite: Approval of instructor.

ANTH 691 Research  
Credits 1 to 23. 1 to 23 Other Hours.  
Research for thesis.  
Prerequisite: Approval of graduate advisor.