

# DEPARTMENT OF ANTHROPOLOGY

## College of Sciences and Humanities

Department of Anthropology  
226 Lowry Hall  
Kent Campus  
330-672-4363  
www.kent.edu/anthropology

## Undergraduate Programs

- Anthropology - B.A.
- Anthropology - B.S.

## Minors

- Anthropology
- Forensic Anthropology
- Medical Anthropology

## Graduate Programs

- Anthropology - M.A.

## Department of Anthropology Faculty

- Bebber, Michelle R. (2019), Associate Professor, Ph.D., Kent State University, 2019
- Cimino, Aldo N. (2021), Assistant Professor
- Edler, Melissa K. (1998), Assistant Professor, Ph.D., Kent State University, 2016
- Eren, Metin I. (2016), Professor, Ph.D., Southern Methodist University, 2011
- Lovejoy, C. Owen (1968), Distinguished Professor, Ph.D., University of Massachusetts, Amherst, 1970
- Meindl, Richard S. (1979), Professor, Ph.D., University of Massachusetts-Amherst, 1979
- Raghanti, Mary Ann (2000), Professor, Ph.D., Kent State University, 2007
- Spurlock, Linda B. (1993), Professor, Ph.D., Kent State University, 2001
- Stumpf-Carome, Jeanne M. (1994), Professor, Ph.D., University of California, Berkeley, 1992
- Takeshita, Rafaela S. (2019), Associate Professor, D.Sc., Kyoto University, 2018
- Tosi, Anthony J. (2014), Associate Professor, Ph.D., Columbia University, 2000

## Anthropology (ANTH)

**ANTH 18095 SPECIAL TOPICS ANTHROPOLOGY 3 Credit Hours**  
(Repeatable for credit) Special Topics in Anthropology offered irregularly when unusual resources or opportunities exist. Topic announced when scheduled.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 18210 INTRODUCTION TO CULTURAL ANTHROPOLOGY (KSS) 3 Credit Hours**

This introductory course in cultural anthropology examines the culture concept, the diverse ways of life found in communities around the world, and attempts by anthropologists and other social scientists to understand the commonalities underlying our diversity. It explores how individual lives are shaped by broader cultural and social forces, how people create meaning, and the nature of power relations. Students will gain insight into the potential of anthropological findings to help resolve contemporary human problems.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Kent Core Social Sciences, TAG Social and Behavioral Sciences, Transfer Module Social Sciences

**ANTH 18230 INTRODUCTION TO FORENSIC ANTHROPOLOGY 3 Credit Hours**

Forensic anthropology is the application of biological anthropology in a medico-legal context. The tools of archaeology and biological anthropology are used to discover, recover and identify human remains. Topics include human osteology, determining the biological profile (sex, age, ancestry and stature), facial reconstruction, establishing a positive I.D., trauma to bone, stages of decomposition, the role of insects in decomposition, and issues of mass graves.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 18420 INTRODUCTION TO ARCHAEOLOGY (KSS) 3 Credit Hours**

Archaeology is the study of the human past using material remains. The themes of time change and human diversity will be emphasized as students learn about ancient societies and how they teach us about ourselves. We will survey prehistoric and ancient human existence, from our earliest bipedal ancestors between 5 and 10 million years ago until the beginnings of complex society.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Kent Core Social Sciences, TAG Social and Behavioral Sciences, Transfer Module Social Sciences

**ANTH 18630 HUMAN EVOLUTION (KBS) 3 Credit Hours**

Introduction to basic evolutionary theory with a focus on the emergence and progressive development of the human species during the last five million years. Includes related topics such as primate behavior and human variation.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Kent Core Basic Sciences, TAG Social and Behavioral Sciences, Transfer Module Natural Sciences

**ANTH 18631 ISSUES IN HUMAN EVOLUTION (KBS) (KLAB) 1 Credit Hour**

Laboratory study of primate and human anatomy; human paleontology; Mendelian, molecular and human genetics; and primate behavior, ecology and conservation.

**Pre/corequisite:** ANTH 18630.

**Schedule Type:** Laboratory

**Contact Hours:** 1 lab

**Grade Mode:** Standard Letter

**Attributes:** Kent Core Basic Sciences, Kent Core Basic Sciences Lab

**ANTH 28095 SPECIAL TOPICS ANTHROPOLOGY 3 Credit Hours**

(Repeatable for credit) Special Topics in Anthropology offered irregularly when unusual resources or opportunities exist. Topic announced when scheduled.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 28300 INTRODUCTION TO FORENSIC GENETICS 3 Credit Hours**

Forensic genetics is a field in which the properties of proteins and nucleic acids (genes) are utilized to identify the person that produced them; for example, whose DNA is on a gun trigger? This is the first in a two-course series. This course provides a foundation in basic genetic principles and methods relevant to criminal investigation and victim identification. Topics include introduction and history of molecular forensics, crime scene evidence, serology (blood, semen, saliva), blood spatter, chromosome structure, principles of inheritance, linkage and crossing over, microsatellites (STRs), DNA extraction methods, standard PCR, capillary electrophoresis, mitochondrial DNA, sex chromosomes, basic population genetics, and CODIS database.

**Prerequisite:** ANTH 18230 or ANTH 18630.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 38095 SPECIAL TOPICS IN ANTHROPOLOGY 3 Credit Hours**

Special topics in anthropology offered irregularly when unusual resources or opportunities exist. Topic announced when scheduled.

**Prerequisite:** Junior standing or above.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 38096 INDIVIDUAL INVESTIGATION IN ANTHROPOLOGY (ELR) 1-3 Credit Hours**

(Repeatable for credit) Readings and/or research supervised by a member of the anthropology staff.

**Prerequisite:** Permission.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter-IP

**Attributes:** Experiential Learning Requirement

**ANTH 38440 QUANTITATIVE ANTHROPOLOGY 3 Credit Hours**

Introduces the quantitative description of numerical data, provides an understanding of the basis of probability theory and statistical inference and acquaints the student with the role of computers in anthropology.

**Prerequisite:** ANTH 18420 or ANTH 18630.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 38480 ARCHAEOLOGICAL ANALYSIS (ELR) (WIC) 3 Credit Hours**

Methods necessary for the description and laboratory analysis of prehistoric remains. Course will include laboratory exercises as well as class lectures.

**Prerequisite:** ANTH 18420.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement, Writing Intensive Course

**ANTH 38680 PRIMATE SOCIETIES 3 Credit Hours**

This course will be a survey of the behavior of living primates. Topics covered include reproductive and foraging strategies, social structure and primate conservation. Antecedent human behavior will also be considered.

**Prerequisite:** ANTH 18630.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 38789 FACES: HUMAN HEAD ANATOMY WITH A FORENSIC ART FOCUS (ELR) 3 Credit Hours**

Summer Florence Institute course: Renaissance artists became anatomists in order to create more life-like portrayals of the human figure, and Italy was in the forefront of these developments. Our course begins with studying works by these artist/anatomists: Antonio Pollaiuolo, Leonardo da Vinci, Michelangelo, and others, through visits to the Galleria dell'Accademia and Museum of the Bargello and lectures. We will examine drawings, paintings and sculptures of faces by these artists, and gain an appreciation for how well they understood human anatomy. We will also visit La Specola Anatomical Collection (exquisite wax models copied from real corpses during the 17th century) since we are studying anatomy. In the classroom, students will study human skulls, and learn the form and function of the muscles of facial expression and mastication. We will pay close attention to features of the skull that ultimately give each face its unique qualities, and study the areas that indicate age and sex of the individual. Each student will sculpt the facial bones of a skull, using an exact replica cast as a model. In the last part of the course students learn the techniques of two-dimensional forensic facial reconstruction. Using knowledge of head anatomy, and tissue depth data from the literature, each student will prepare detailed sketches (one man, one woman) based on a photograph of his and her skull. We will also learn about changes to the face over the life span, and make sketches of older people based on photographs of them when young.

**Prerequisite:** None.

**Schedule Type:** International Experience, Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement

**ANTH 47777 CAREERS IN ANTHROPOLOGY 3 Credit Hours**

(Slashed with ANTH 57777) Practical course designed to familiarize students with the many career options available to anthropologists and relevant pathways to begin these careers. The course also covers strategies for entering and succeeding during graduate school, as well as navigating the modern job market.

**Prerequisite:** 8 credit hours of Anthropology (ANTH) courses.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48001 QUALITATIVE RESEARCH METHODS IN ANTHROPOLOGY 3 Credit Hours**

(Slashed with ANTH 58001) This course covers the qualitative research methods employed by anthropologists to collect and analyze data. Students will gain skills in ethnography, research design and analysis, and the ethical responsibilities associated with data collection and storage.

**Prerequisite:** ANTH 18210.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48010 NORTH AMERICA'S ICE AGE HUNTERS 3 Credit Hours**

(Slashed with ANTH 58010) This class is an in-depth study of the Clovis people, their culture, their technology, their ancestors, and their progeny. The Clovis culture represents the first peoples of North America during the Pleistocene (Ice Age), over 13,000 years ago. These first Americans were colonizers to the New World, and tackled a dangerous and unfamiliar landscape.

**Prerequisite:** ANTH 18420.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48092 FORENSIC ARCHAEOLOGY FIELD SCHOOL (ELR) 3 Credit Hours**

(Slashed with ANTH 58092) This course provides students with practical experience in archaeological fieldwork in the context of a mock crime scene. Students will excavate a complex burial feature. Surface survey, excavation and recording techniques, field drawing, and processing of bones and artifacts will be taught.

**Prerequisite:** ANTH 18230 or ANTH 18630.

**Schedule Type:** Laboratory, Lecture, Practical Experience

**Contact Hours:** 1 lecture, 3 lab, 3 other

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement

**ANTH 48093 VARIABLE TITLE WORKSHOP IN ANTHROPOLOGY 1-6 Credit Hours**

(Repeatable for credit) Classroom discussions and field study activity focused on professional and disciplinary concerns. Specific content varies with workshop group.

**Prerequisite:** Special approval.

**Schedule Type:** Workshop

**Contact Hours:** 1-6 other

**Grade Mode:** Satisfactory/Unsatisfactory

**ANTH 48095 SPECIAL TOPICS IN ANTHROPOLOGY 3 Credit Hours**

(Repeatable for credit) (Slashed with ANTH 58095) Offered irregularly when unusual resources and/or opportunities permit. Topic announced when scheduled.

**Prerequisite:** ANTH 18210 or 18420.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48150 RELIGION: A SEARCH FOR A MEANING 3 Credit Hours**

(Slashed with ANTH 58150) This course teaches students the anthropological approaches to the study of religious beliefs and practices, as well as the role of religion in bringing about social change. Topics covered include: ritual, myth, witchcraft, sorcery, shamanism, syncretism, secularism and fundamentalism. Students will appreciate the diversity of ways in which religion is manifested cross-culturally and understand the different roles that religious beliefs play in human life. Students with Junior standing or above may request that the prerequisite be waived.

**Prerequisite:** ANTH 18210.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48214 POLITICS OF CULTURE (ELR) (WIC) 3 Credit Hours**  
(Slashed with ANTH 58214) Addresses the way in which culture has been politicized, and looks at such issues as cultural relativism and objectivity in anthropological studies with reference to specific peoples and geographic areas.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement, Writing Intensive Course

**ANTH 48220 CULTURAL ECOLOGY AND SUSTAINABILITY 3 Credit Hours**

(Slashed with ANTH 58220) Exploration of the dynamic relationship between socio-cultural systems and physical-biological environment through Anthropology's comparative perspective on the crucial contemporary need to foster a sustainable society.

**Prerequisite:** ANTH 18210.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48225 ARCHAEOLOGY OF DEATH (ELR) (WIC) 3 Credit Hours**

(Slashed with ANTH 58225) Archaeologists study cemeteries to learn how societies treat their dead, as well as work at mass disaster scenes, and clandestine graves. They aid law enforcement in many situations where human remains have been skeletonized. This course will provide students with an understanding of the processes and procedures involved in each.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement, Writing Intensive Course

**ANTH 48242 ARCHAEOLOGICAL CERAMICS 3 Credit Hours**

(Slashed with ANTH 58242) This course will provide students with essential archaeological knowledge of ceramic materials via lecture and hands-on learning activities. Pottery will be addressed in a holistic manner, starting with its geochemical origins, through the various ways humans have sourced and manipulated this versatile raw material, as well as standard archaeological methods for study and interpretation. Ceramic materials from cultures all around the world will be discussed in depth to reveal both functional and social significance.

**Prerequisite:** ANTH 18420.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48245 PSYCHOLOGICAL ANTHROPOLOGY 3 Credit Hours**

(Slashed with ANTH 58245) Overview of psychological anthropology. Includes comparative cross-cultural socialization and personality development; group and national character; relationship of personality to politics, social and occupational roles, and recent explorations of the relationship between culture and cognition. Examines contributions by leading figures, from Freud, Boas, Benedict, and Whorf through modern studies of spatial cognition and navigation.

**Prerequisite:** ANTH 18210 or PSYC 11762.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48250 MEDICAL ANTHROPOLOGY 3 Credit Hours**

(Slashed with ANTH 58250) This course teaches students the central concepts and methods of medical anthropology, treating illness and healing as biocultural, political and experiential phenomena. The course considers both the specificity of local medical cultures and the complex interactions among the environment, human behavior and political and economic policies that shape them. The course will sensitize students to cultural issues in sickness and health care, and provide some critical analytic concepts and tools. Students with JUNIOR standing or above may request that the prerequisite be waived.

**Prerequisite:** ANTH 18210 or ANTH 18630.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48262 PEOPLES AND CULTURES OF AMAZONIA 3 Credit Hours**

(Slashed with ANTH 58262) This course introduces students to the cultural traditions of Lowland South American peoples. Through a variety of ethnographic readings and films students will explore key anthropological themes such as the relationship between 'nature' and 'culture', gender relations, violence, anthropological ethics and the impacts of colonialism and globalization. Topics covered include: cosmology, personhood, ritual practices, sorcery, shamanism, gender and indigenous activism. Students with Junior standing or above may request that the prerequisite be waived.

**Prerequisite:** ANTH 18210.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48280 BEING HUMAN: SIGNS AND SYMBOLS 3 Credit Hours**

An exploration of semiotic anthropology, the study of the production and communication of meaning through signs and symbols in human life, from both a humanistic and a scientific perspective. Special emphasis is on what it means to be human from a spatial as well as an evolutionary perspective as it relates to our sustainability crisis. The topic is crucial to our species, and to life on earth more generally, given the current globalization of modernity and the propagation of its non-sustainable definition of human being.

**Prerequisite:** Sophomore standing or above.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48295 SPECIAL TOPICS IN CULTURAL ANTHROPOLOGY 3 Credit Hours**

Special topics in anthropology offered irregularly when unusual resources or opportunities exist. Topic announced when scheduled.

**Prerequisite:** ANTH 18210.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48300 ADVANCED FORENSIC GENETICS 3 Credit Hours**

(Slashed with ANTH 58300) Forensic genetics is a field in which the properties of proteins and nucleic acids (genes) are utilized to identify the person that produced them. This is the second in a two-course series, and it focuses on the analysis and interpretation of molecular forensic data, as used in criminal investigations. Topics include quantitative PCR, capillary electrophoresis and electrophoretic artifacts, NRC and ISFG recommendations, CODIS database, familial searches, low-copy DNA, mixture deduction, forensic statistics, missing persons, paternity tests, mass disaster identifications, quality control, accreditations and validations, courtroom testimony, legal challenges to DNA typing, and new approaches and technologies.

**Prerequisite:** ANTH 28300.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48330 PRIMATE ENDOCRINOLOGY 3 Credit Hours**

(Slashed with ANTH 58330) This course provides a comprehensive overview of primate behavioral endocrinology, with an emphasis on primate adaptation to maximize reproductive fitness. We learn to identify the major taxonomic groups and their behavioral and physiological diversity, and explore how hormones contribute to shape different primate societies. Throughout the course, we explore hormonal influences on sexual behavior, aggression and dominance, stress and energetic balance, social bonding and parental care, as well as field and laboratory techniques to study nonhuman primates in their natural habitat.

**Prerequisite:** ANTH 18630.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48440 ARCHAEOLOGY OF ANCIENT OHIO 3 Credit Hours**

(Slashed with ANTH 58440) Cultural evolution and human-environmental relationships in the ancient Ohio region documenting an 11,000 year period from initial occupation to the beginning of European written history.

**Prerequisite:** ANTH 18420.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48450 ANCIENT CIVILIZATIONS 3 Credit Hours**

(Slashed with ANTH 58450) This course will explore the mechanisms involved in the development of early complex societies around the globe. Students will be introduced to cross-cultural comparative analysis to explore theories regarding the rise of the state in various ecological environments, as well as other causal explanations and organizational parameters associated with ancient state formation and maintenance.

**Prerequisite:** ANTH 18420.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48492 ARCHAEOLOGICAL FIELD METHODS (ELR) 3 Credit Hours**

(Repeatable for credit) (Slashed with ANTH 58492) Field and laboratory techniques in archaeological research.

**Prerequisite:** Special approval.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 1.66 lecture, 4 other

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement

**ANTH 48495 SPECIAL TOPICS IN ARCHAEOLOGY 3 Credit Hours**

Special topics in anthropology offered irregularly when unusual resources or opportunities exist. Topic announced when scheduled.

**Prerequisite:** ANTH 18420.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48550 FORENSIC SCIENCE IN THE COURTROOM 3 Credit Hours**

(Slashed with ANTH 58550) This course will provide Students with an understanding of the types of biological forensic data utilized in court, and the strengths and weaknesses of these data. Though multiple types of analyses will be discussed, emphasis will be placed on DNA (STR) data, as it is the predominant type of biological evidence used today. The course will also cover the steps required to determine whether a new type of analysis is admissible at trial. Basic courtroom procedures, biases in data interpretation and presentation, case studies, and moot courts will be included.

**Prerequisite:** Junior standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48623 HUMAN VARIATION 3 Credit Hours**

(Slashed with ANTH 58623) A detailed anthropological examination of the causes and extent of modern human variability.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48695 SPECIAL TOPICS IN BIOLOGICAL ANTHROPOLOGY 3 Credit Hours**

Special topics in anthropology offered irregularly when unusual resources or opportunities exist. Topic announced when scheduled.

**Prerequisite:** ANTH 18630.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48810 HUMAN PALEONTOLOGY 3 Credit Hours**

(Slashed with ANTH 58810) Study of primate fossils of the Miocene and Pliocene to include the origins of humans and their earliest ancestors.

**Prerequisite:** ANTH 18630.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48820 HUMAN MUSCULO-SKELETAL SYSTEM 3 Credit Hours**

(Slashed with ANTH 58820) A largely hands-on course introducing the study of human anatomy for students interested in biological anthropology and archaeology. Topics include skeletal and functional anatomy biomechanics and estimation of age and sex from isolated bones.

**Prerequisite:** Junior standing or above.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48835 PRIMATE ECOLOGY AND CONSERVATION 3 Credit Hours**

(Slashed with ANTH 58835) Study of the geographic distribution and evolutionary ecology of prosimians, monkeys and apes and human and climatic effects on their long-term survival.

**Prerequisite:** ANTH 18630 or ANTH 38680 or BSCI 10120.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48850 NATURAL SELECTION ACCORDING TO DARWIN 3 Credit Hours**

(Slashed with ANTH 58850) Darwin's Origin of Species transformed our understanding of the natural world. Although he was not aware of the biological constituents of inheritance (i.e. genetics and the modern synthesis), his three ingredients for a system of descent with modification – variation, inheritance, and sorting – were wildly influential. This course will not only explore how Darwin understood his monumental theory, but also show that Darwin's original proposal explains both biological and cultural evolution. Students will gain an understanding of how Darwin's theory provided a foundation for modern anthropological thought and continues to inform anthropological queries.

**Prerequisite:** Junior standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 48889 INTERNATIONAL EXPERIENCE (ELR) 1-4 Credit Hours**

(Slashed with ANTH 58889)(Repeatable for credit) Faculty-led study abroad experiences.

**Prerequisite:** None.

**Schedule Type:** International Experience

**Contact Hours:** 3-12 other

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement

**ANTH 57777 CAREERS IN ANTHROPOLOGY 3 Credit Hours**

(Slashed with ANTH 47777) Practical course designed to familiarize students with the many career options available to anthropologists and relevant pathways to begin these careers. The course also covers strategies for entering and succeeding during graduate school, as well as navigating the modern job market.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58001 QUALITATIVE RESEARCH METHODS IN ANTHROPOLOGY 3 Credit Hours**

(Slashed with ANTH 48001) This course covers the qualitative research methods employed by anthropologists to collect and analyze data. Students will gain skills in ethnography, research design and analysis, and the ethical responsibilities associated with data collection and storage.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58010 NORTH AMERICA'S ICE AGE HUNTERS 3 Credit Hours**

(Slashed with ANTH 48010) This class is an in-depth study of the Clovis people, their culture, their technology, their ancestors, and their progeny. The Clovis culture represents the first peoples of North America during the Pleistocene (Ice Age), over 13,000 years ago. These first Americans were colonizers to the New World, and tackled a dangerous and unfamiliar landscape.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58092 FORENSIC ARCHAEOLOGY FIELD SCHOOL 3 Credit Hours**

(Slashed with ANTH 48092) This course provides students with practical experience in archaeological fieldwork in the context of a mock crime scene. Students will excavate a complex burial feature. Surface survey, excavation and recording techniques, field drawing, and processing of bones and artifacts will be taught.

**Prerequisite:** Graduate Standing.

**Schedule Type:** Laboratory, Lecture, Practical Experience

**Contact Hours:** 1 lecture, 3 lab, 3 other

**Grade Mode:** Standard Letter

**ANTH 58095 SPECIAL TOPICS IN ANTHROPOLOGY 3 Credit Hours**

(Repeatable for credit) (Slashed with ANTH 48095) Offered irregularly when unusual resources and/or opportunities permit.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58150 RELIGION: A SEARCH FOR MEANING 3 Credit Hours**

(Slashed with ANTH 48150) This course teaches students anthropological approaches to the study of religious beliefs and practices, as well as the role of religion in bringing about social change. Topics covered include: ritual, myth, witchcraft, sorcery, shamanism, syncretism, secularism and fundamentalism. Students will appreciate the diversity of ways in which religion is manifested cross-culturally and understand the different roles that religious beliefs play in human life.

**Prerequisite:** Graduate Standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58214 POLITICS OF CULTURE 3 Credit Hours**

(Slashed with ANTH 48214) This course will address the way in which culture has been politicized. It will look at issues such as cultural relativism and objectivity in anthropological studies with reference to specific peoples and geographic areas.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58220 CULTURAL ECOLOGY AND SUSTAINABILITY 3 Credit Hours**

(Slashed with ANTH 48220) Exploration of the dynamic relationship between socio-cultural systems and the physical-biological environment through Anthropology's comparative perspective on the crucial contemporary need to foster a sustainable society.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58225 ARCHAEOLOGY OF DEATH 3 Credit Hours**

(Slashed with ANTH 48225) Archaeologists study cemeteries to learn how societies treat their dead, as well as work at mass disaster scenes, and clandestine graves. They aid law enforcement in many situations where human remains have been skeletonized. This course will provide students with an understanding of the processes and procedures involved in each.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58242 ARCHAEOLOGICAL CERAMICS 3 Credit Hours**

(Slashed with ANTH 48242) This course will provide students with essential archaeological knowledge of ceramic materials via lectures and hands-on learning activities. Pottery will be addressed in a holistic manner, starting with its geochemical origins, through the various ways humans have sourced and manipulated this versatile raw material, as well as standard archaeological methods for study and interpretation. Ceramic materials from cultures all around the world will be discussed in depth to reveal both functional and social significance.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58245 PSYCHOLOGICAL ANTHROPOLOGY 3 Credit Hours**

(Slashed with ANTH 48245) Overview of psychological anthropology. Includes comparative cross-cultural socialization and personality development; group and national character; relationship of personality to politics, social and occupational roles, and recent explorations of the relationship between culture and cognition. Examines contributions by leading figures, from Freud, Boas, Benedict, and Whorf through modern studies of spatial cognition and navigation.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58250 MEDICAL ANTHROPOLOGY 3 Credit Hours**

(Slashed with ANTH 48250) This course teaches students the central concepts and methods of medical anthropology, treating illness and healing as biocultural, political and experiential phenomena. The course considers both the specificity of local medical cultures and the complex interactions among the environment, human behavior and political and economic policies that shape them. The course will sensitize students to cultural issues in sickness and health care, and provide some critical analytic concepts and tools.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58262 PEOPLES AND CULTURES OF AMAZONIA 3 Credit Hours**

(Slashed with ANTH 48262) This course introduces students to the cultural traditions of Lowland South American peoples. Through a variety of ethnographic readings and films students will explore key anthropological themes such as the relationship between 'nature' and 'culture', gender relations, violence, anthropological ethics and the impacts of colonialism and globalization. Topics covered include: cosmology, personhood, ritual practices, sorcery, shamanism, gender and indigenous activism.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58295 SPECIAL TOPICS IN CULTURAL ANTHROPOLOGY 3 Credit Hours**

Special topics in anthropology offered irregularly when unusual resources or opportunities exist. Topic announced when scheduled.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58300 ADVANCED FORENSIC GENETICS 3 Credit Hours**

(Slashed with ANTH 48300) Forensic genetics is a field in which the properties of proteins and nucleic acids (genes) are utilized to identify the person that produced them. This is the second in a two-course series, and it focuses on the analysis and interpretation of molecular forensic data, as used in criminal investigations. Topics include quantitative PCR, capillary electrophoresis and electrophoretic artifacts, NRC and ISFG recommendations, CODIS database, familial searches, low-copy DNA, mixture deduction, forensic statistics, missing persons, paternity tests, mass disaster identifications, quality control, accreditations and validations, courtroom testimony, legal challenges to DNA typing, and new approaches and technologies.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58330 PRIMATE ENDOCRINOLOGY 3 Credit Hours**

(Slashed with ANTH 48330) This course provides a comprehensive overview of primate behavioral endocrinology, with an emphasis on primate adaptation to maximize reproductive fitness. We learn to identify the major taxonomic groups and their behavioral and physiological diversity, and explore how hormones contribute to shape different primate societies. Throughout the course, we explore hormonal influences on sexual behavior, aggression and dominance, stress and energetic balance, social bonding and parental care, as well as field and laboratory techniques to study nonhuman primates in their natural habitat.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58440 ARCHAEOLOGY OF ANCIENT OHIO 3 Credit Hours**  
(Slashed with ANTH 48440) Cultural evolution and human-environmental relationships in the ancient Ohio region documenting an 11,000 year period from initial occupation to the beginning of European written history.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58450 ANCIENT CIVILIZATIONS 3 Credit Hours**  
(Slashed with ANTH 48450) This course will explore the mechanisms involved in the development of early complex societies around the globe. Students will be introduced to cross-cultural comparative analysis to explore theories regarding the rise of the state in various ecological environments, as well as other causal explanations and organizational parameters associated with ancient state formation and maintenance.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58492 ARCHAEOLOGICAL FIELD METHODS 3 Credit Hours**  
(Repeatable for credit) (Slashed with ANTH 48492) Field and laboratory techniques in archaeological research.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 1.66 lecture, 4 other

**Grade Mode:** Standard Letter

**ANTH 58495 SPECIAL TOPICS IN ARCHAEOLOGY 3 Credit Hours**  
Special topics in anthropology offered irregularly when unusual resources or opportunities exist. Topic announced when scheduled.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58550 FORENSIC SCIENCE IN THE COURTROOM 3 Credit Hours**  
(Slashed with ANTH 48550) This course will provide students with an understanding of the types of biological forensic data utilized in court, and the strengths and weaknesses of these data. Though multiple types of analyses will be discussed, emphasis will be placed on DNA (STR) data, as it is the predominant type of biological evidence used today. The course will also cover the steps required to determine whether a new type of analysis is admissible at trial. Basic courtroom procedures, biases in data interpretation and presentation, case studies, and moot courts will be included.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58623 HUMAN VARIATION 3 Credit Hours**  
(Slashed with ANTH 48623) A detailed anthropological examination of the causes and extent of modern human variability.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58695 SPECIAL TOPICS IN BIOLOGICAL ANTHROPOLOGY 3 Credit Hours**  
Special topics in anthropology offered irregularly when unusual resources or opportunities exist. Topic announced when scheduled.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58810 HUMAN PALEONTOLOGY 3 Credit Hours**  
(Slashed with ANTH 48810) Study of primate fossils of the Miocene and Pliocene to include the origins of humans and their earliest ancestors.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58820 HUMAN MUSCULO-SKELETAL SYSTEM 3 Credit Hours**  
(Slashed with ANTH 48820) A largely hands-on course introducing the study of human anatomy for students interested in biological anthropology and archaeology. Topics include skeletal and functional anatomy, biomechanics, and estimation of age and sex from isolated bones.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58835 PRIMATE ECOLOGY AND CONSERVATION 3 Credit Hours**  
(Slashed with ANTH 48835) Study of the geographic distribution and evolutionary ecology of prosimians, monkeys and apes and human and climatic effects on their long-term survival.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58850 NATURAL SELECTION ACCORDING TO DARWIN 3 Credit Hours**  
(Slashed with ANTH 48850) Darwin's Origin of Species transformed our understanding of the natural world. Although he was not aware of the biological constituents of inheritance (i.e. genetics and the modern synthesis), his three ingredients for a system of descent with modification – variation, inheritance, and sorting – were wildly influential. This course will not only explore how Darwin understood his monumental theory, but also show that Darwin's original proposal explains both biological and cultural evolution. Students will gain an understanding of how Darwin's theory provided a foundation for modern anthropological thought and continues to inform anthropological queries.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 58889 INTERNATIONAL EXPERIENCE 1-4 Credit Hours**  
(Slashed with ANTH 48889) Faculty-led study abroad experiences.

**Prerequisite:** Graduate standing.

**Schedule Type:** Field Experience, International Experience

**Contact Hours:** 3-12 other

**Grade Mode:** Standard Letter

**ANTH 68095 SPECIAL TOPICS IN ANTHROPOLOGY 3 Credit Hours**  
(Repeatable for credit) Offered irregularly when unusual resources and/or opportunities permit.

**Prerequisite:** 6 graduate hours toward MA in Anthropology; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 68096 INDIVIDUAL INVESTIGATION 1-3 Credit Hours**

(Repeatable for credit) Readings and/or research supervised by member of graduate faculty. Petition form available in the anthropology department office.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter-IP

**ANTH 68098 RESEARCH 1-15 Credit Hours**

(Repeatable for credit) Research or individual investigation. Repeated registration permitted. Petition form available in the anthropology department office.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Research

**Contact Hours:** 1-15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ANTH 68199 THESIS I 2-6 Credit Hours**

Thesis student must register for total of 6 hours, 2 to 6 hours in a single semester, or distributed over several semesters if desired.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 2-6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ANTH 68230 PROBLEMS IN CULTURAL ANTHROPOLOGY 3 Credit Hours**

Basic graduate course in cultural anthropology required of all M.A. candidates. Course deals with major topics within this subdiscipline of anthropology.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 68299 THESIS II 2 Credit Hours**

Thesis students must continue registration each semester until all degree requirements are met.

**Prerequisite:** ANTH 68199; and graduate standing.

**Schedule Type:** Masters Thesis

**Contact Hours:** 3 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ANTH 68430 PROBLEMS IN WORLD PREHISTORY 3 Credit Hours**

Basic graduate course in prehistoric archaeology required of all M.A. candidates.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 68630 PRINCIPLES OF BIOLOGICAL ANTHROPOLOGY 3 Credit Hours**

(Cross-listed with BMS 78630) A graduate-level introduction to the field of biological anthropology. Topics include genetics, human variation, fossil and modern primates, early man.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ANTH 68637 BIOANTHROPOLOGICAL DATA ANALYSIS I 5 Credit Hours**

(Cross-listed with BMS 78637) Examination of methods of univariate and bivariate experimental design. This survey emphasizes tests of hypothesis and estimation techniques with both classical and nonparametric procedures.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 5 lecture

**Grade Mode:** Standard Letter

**ANTH 68638 BIOANTHROPOLOGICAL DATA ANALYSIS II 3 Credit Hours**

(Cross-listed with BMS 78638) This survey of multivariate analysis in anthropology includes one-sample data exploration, multiple sample problems and regression methods. It also includes computer application. Graduate standing.

**Prerequisite:** ANTH 68637 (same course as BMS 78638).

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter