Anthropology (ANTH)

Courses

ANTH 1011L. Introduction to Biological Anthropology Laboratory (Fa). 1 Hour.
Laboratory exercises illustrating concepts of physical anthropology. Corequisite: ANTH 1013.

ANTH 1011M. Honors Introduction to Biological Anthropology Laboratory (Fa). 1 Hour.
Laboratory exercises illustrating concepts of physical anthropology. Corequisite: ANTH 1013.
This course is equivalent to ANTH 1011L.

ANTH 1013. Introduction to Biological Anthropology (Sp, Su). 3 Hours.
An introduction to the field of physical anthropology using human evolution as a unifying concept. Areas include human genetics, race, speciation, primate evolution, and human variation and adaptation. Corequisite: ANTH 1011L.

ANTH 1013H. Honors Introduction to Biological Anthropology (Fa). 3 Hours.
An introduction to the field of physical anthropology using human evolution as a unifying concept. Areas include human genetics, race, speciation, primate evolution, and human variation and adaptation. Corequisite: ANTH 1011M.
This course is equivalent to ANTH 1013.

ANTH 1023. Introduction to Cultural Anthropology (ACTS Equivalency = ANTH 2013) (Sp, Su, Fa). 3 Hours.
Introduction to the nature of culture and its influence on human behavior and personality: comparative study of custom, social organization, and processes of change and integration of culture. Corequisite: Drill component.

ANTH 1023H. Honors Introduction to Cultural Anthropology (Sp, Fa). 3 Hours.
Introduction to the nature of culture and its influence on human behavior and personality: comparative study of custom, social organization, and processes of change and integration of culture. This course is equivalent to ANTH 1023.

ANTH 1033. Introduction to Archaeology (Sp, Fa). 3 Hours.
Archaeology studies the human past through contextual analysis of artifacts, archaeological sites, and landscapes. This course introduces archaeological methods and theories, significant discoveries and current debates in the discipline. Corequisite: Lab component.

ANTH 2013. Introduction to Latin American Studies (Irregular). 3 Hours.
This course provides an interdisciplinary introduction to Latin America. Drawing on Latin American literature, history, sociology, and political science, the course examines the broad forces that have shaped the region. This course is cross-listed with LAST 2013.

ANTH 3003. World Prehistory (Irregular). 3 Hours.
Survey of the prehistoric and early historic cultures of the Americas, Asia, and Africa.

ANTH 3023. Approaches to Archeology (Sp). 3 Hours.
Study of the field of archeology including method, theory, analysis and interpretation with substantive worldwide examples. Prerequisite: ANTH 1033.

ANTH 3033. Egyptology (Irregular). 3 Hours.
Explores multiple aspects of Ancient Egyptian civilization including chronology, art, religion, literature and daily life. Prerequisite: Junior standing.

ANTH 3043. Bones, Bodies, and Brains in Evolutionary Perspective (Irregular). 3 Hours.
This course will review the anatomy of the human body, comparing this anatomy with primates, mammals, and vertebrates, and it will consider how the major features of the human body emerged throughout evolution.

ANTH 3123. The Anthropology of Religion (Sp). 3 Hours.
An exploration of rituals, symbols, and rules that shape religious life. Religion is viewed broadly, considering activities that invoke powers beyond the reach of ordinary senses. Examining a variety of cultures, we explore what people say and do as they participate in activities such as magic, healing, pilgrimage, and contemporary religious movements.

ANTH 3143. Language and Expressive Culture (Irregular). 3 Hours.
This course explores the complex interrelationship of language, culture, and social identity. Verbal art and expressive culture are examined from a variety of anthropological perspectives. Topics include ethnographies of speaking, discourse analysis, cultural performances, and the performative aspects of oral expression. This course is cross-listed with ENGL 3143, COMM 3143.

ANTH 3163. Male and Female: A Cultural and Biological Overview (Fa). 3 Hours.
A comparative study of male and female roles in culture in relation to human biology and socialization.

ANTH 3173. Introduction to Linguistics (Irregular). 3 Hours.
Introduction to language study with stress upon modern linguistic theory and analysis. Data drawn from various languages reveal linguistic universals as well as phonological, syntactic, and semantic systems of individual languages. Related topics: language history, dialectology, language and its relation to culture and society, the history of linguistic scholarship. Prerequisite: Junior standing.
This course is cross-listed with COMM 3173, ENGL 3173, WLLC 3173.

An exploration of indigenous societies and cultures of North America from an anthropological perspective. Using examples from diverse Native Nations from the time of European contact to the present, we will examine colonialism and resistance, indigenous cosmologies, memory culture and oral tradition, and the politics of representation.

ANTH 3263. Indians of Arkansas and the South (Odd years, Sp). 3 Hours.
Study of the traditional lifeways and prehistoric backgrounds of Indians living in the Southern United States, including Arkansas.

ANTH 3421L. Human Osteology Laboratory (Sp). 1 Hour.
Laboratory exercises illustrating concepts of human osteology. Corequisite: ANTH 3423.

ANTH 3423. Human Osteology (Sp). 3 Hours.
Study of the human skeleton, identification of bones, allometric growth, sexual dimorphism, osteological genetic inheritance and environmental stresses. Lectures and demonstration. Corequisite: ANTH 3421L.

ANTH 3433. Human Evolution (Fa). 3 Hours.
A study of hominid evolution from origin to the present, including trends in comparative primate evolution and functional development of human form as a result of cultural and biological interaction.

ANTH 3443. Criminalistics: Forensic Sciences (Irregular). 3 Hours.
Introduction to forensics focused on the scientific analysis of physical and biological evidence encountered in criminal investigations. Chemical, microscopic, biological, and observational techniques employed in the analysis of material evidence are described, discussed, and illustrated within an investigative framework. Topics include inorganic remains, fiber, tissue, human identification, fingerprints, tools, and weapons.

Survey of the aboriginal prehistory of the North American Continent north of Mexico.
ANTH 3503. Power and Popular Protest in Latin America (Irregular). 3 Hours. This course focuses on the historical formation of Latin America by examining conflicts between the region’s rich and poor. It includes both an historical perspective on the formation of ethnic, gender, and class relations in Latin America, and a discussion of contemporary social problems.

ANTH 3523. Gender and Politics in Latin America (Irregular). 3 Hours. This course examines the ways in which political struggles surrounding land, labor, and the environment have been shaped by gender relations in Latin America. Why and how do peasant-workers engage their political worlds and how are such struggles shaped by gender?

ANTH 3533. Medical Anthropology (Irregular). 3 Hours. Survey of the interrelationship of human biology, culture and environment as reflected in disease experience from an evolutionary and cross cultural perspective. Special emphasis on stress.

ANTH 3543. Geospatial Applications and Information Science (Sp, Fa). 3 Hours. An introduction to the methods and theory underlying the full range of geographic information science and collateral areas - including GNSS, remote sensing, cadastral, spatial demographics and others. This course is cross-listed with GEOS 3543.

ANTH 3553. Religion in Latin America (Irregular). 3 Hours. Examines contemporary implications of Latin America’s unique religious heritage. An exploration of multiple Latin American religious traditions, with sustained focus on key theoretical concerns: conversion, vernacular vs. orthodox expressions, the blending of indigenous and European cosmologies, devotion and ritual, and the articulation of ethnic, gendered, and religious identities.

ANTH 3563. Culture and Medicine (Irregular). 3 Hours. Study of health and medicine within cultural contexts, including attention to cross-cultural healers and healing systems. Special emphasis on biomedicine as a cultural system.

ANTH 3573. Ballroom Culture and Performance in the West (Irregular). 3 Hours. This course focuses on competitive ballroom dancing in the West, highlighting issues of spectacle, sport, art, festival, ritual, dress, performance, identity, and gender construction.

ANTH 3583. Body and Identity (Irregular). 3 Hours. This course explores personal, social and cultural constructions and performances of the body and identity, highlighting key intersections of embodiment including gender, race, sexuality and abilities. This course is cross-listed with GNST 3583.

ANTH 3903. Topics in Anthropology (Irregular). 3 Hours. Covers a special topic or issue. May be repeated for up to 12 hours of degree credit.

ANTH 3923H. Honors Colloquium (Irregular). 3 Hours. Covers a special topic or issue, offered as part of the honors program. Prerequisite: honors candidacy (not restricted to candidacy in anthropology). May be repeated for degree credit.

ANTH 399VH. Honors Thesis (Sp, Su, Fa). 1-6 Hour. Prerequisite: Junior standing. May be repeated for up to 12 hours of degree credit.

ANTH 4013. History of Anthropological Thought (Fa). 3 Hours. Detailed consideration of anthropological theory through study of its historical development. The research paper in this course fulfills the Fulbright College research paper requirement for anthropology majors.

ANTH 4033. Popular Culture (Irregular). 3 Hours. Study of national and international varieties of popular culture, including music, dance, fashion, and the media. Emphasis will be given to both ethnographic approaches, which focus on the investigation of production and consumption of cultural forms and to cultural studies approaches, which see culture as a terrain of struggle.

ANTH 4063. Women in Africa (Irregular). 3 Hours. Diversity of women’s life experiences throughout sub-Saharan Africa will be examined. The class will investigate a range of topics, from marriage and motherhood to prostitution and popular culture. A historical dimension will be present throughout the course, and perspectives from literature and film will also be incorporated. This course is cross-listed with AAST 4063.

ANTH 4073. African Sociolinguistics (Irregular). 3 Hours. Explores how language use intersects, constructs, and reflects social life in Africa. Covers key topics in sociolinguistics as they apply to current sociolinguistic issues on the African continent today. This course is cross-listed with AAST 4073, WLLC 4073.

ANTH 4083. African Popular Culture (Irregular). 3 Hours. This class explores popular cultural expression across Africa. Topics range from hip hop and film, to second-hand clothing fashions and the media. We will consider how popular culture, while often inspired by global trends, is rooted in local circumstances and often reflects attempts to grapple with important issues. This course is cross-listed with AAST 4083.

ANTH 4093. The Archeology of Death (Irregular). 3 Hours. Study of the analysis and interpretation of archeological mortuary remains and sites. Key archeological and anthropological sources that have influenced major theoretical developments are reviewed.

ANTH 4123. Ancient Middle East (Irregular). 3 Hours. The archeology of the ancient Middle East with emphasis upon the interaction of ecology, technology and social structure as it pertains to domestication and urbanization.

ANTH 4133. Settlement Archaeology (Irregular). 3 Hours. Focuses on the historical development of settlement archeology, the methods of site survey and discovery within regions, ecological and social theories that underlie patterns of human land use and distribution, methods of site location analysis, and descriptive and predictive site location modeling. Prerequisite: ANTH 3023.


ANTH 4243. Archeology of the Midsouth (Irregular). 3 Hours. Survey of prehistoric and protohistoric cultures of the lower Mississippi Valley and adjacent regions. Prerequisite: Junior standing.

ANTH 4256. Archeological Field Session (Su). 6 Hours. Practical field and laboratory experiences in archeological research. May be repeated for up to 12 hours of degree credit.

ANTH 4263. Identity and Culture in the U.S.-Mexico Borderlands (Irregular). 3 Hours. An exploration of the interplay between Latino/a, Mexican, Anglo, and Native American identities and cultures along the U.S.-Mexico border. Course examines identity formation, hybridity, social tension, marginalization, race and gender, from an anthropological perspective, paying special attention to the border as theoretical construct as well as material reality.
ANTH 4273. Photography for Fieldwork (Irregular). 3 Hours.
This class explores the use of photographic images as both data and representational tools in anthropological research, emphasizing the ethical, theoretical, and methodological issues involved.

ANTH 4283. Survey in Ethnographic Film (Irregular). 3 Hours.
Survey of the development and evolution of ethnographic film, based on class screenings to build familiarity, vocabulary, and literacy with this branch of visual anthropology.

ANTH 4353. Laboratory Methods in Archeology (Irregular). 3 Hours.
Theory and practice of describing, analyzing, and reporting upon archeological materials.

ANTH 4363. Museums, Material Culture, and Popular Imagination (Fa). 3 Hours.
Museums as ideological sites and thus as sites of potential contestation produce cultural and moral systems that legitimate existing social orders. This course will focus on strategies of representation and the continuous process of negotiating social and cultural hierarchies with and through objects that are displayed.

ANTH 4443. Cultural Resource Management I (Sp). 3 Hours.
Concentrated discussion of management problems relative to cultural resources, including review and interpretation of relevant federal legislation, research vs. planning needs, public involvement and sponsor planning, and assessment of resources relative to scientific needs. No field training involved; discussion will deal only with administrative, legal and scientific management problems. May be repeated for degree credit.

ANTH 448V. Individual Study of Anthropology (Sp, Su, Fa). 1-6 Hour.
Reading course for advanced students with special interests in anthropology. May be repeated for up to 6 hours of degree credit.

An exploration of African religions from a variety of anthropological perspectives, exploring how religious experience is perceived and interpreted by adherents, highlighting the way in which individual and group identities are constructed, maintained and contested within religious contexts. Readings reflect the vast diversity of religious life in Africa.

ANTH 4523. Dental Science (Fa). 3 Hours.
Introduction to the study of the human dentition including its anatomy, morphology, growth and development, and histology.

ANTH 4533. Middle East Cultures (Sp). 3 Hours.
Study of the peoples and cultures of the Middle East; ecology, ethnicity, economics, social organizations, gender, politics, religion, and patterns of social change. May be repeated for up to 9 hours of degree credit.

ANTH 4553. Introduction to Raster GIS (Fa). 3 Hours.
Theory, data structures, algorithms, and techniques behind raster-based geographical information systems. Through laboratory exercises and lectures multidisciplinary applications are examined in database creation, remotely sensed data handling, elevation models, and resource models using boolean, map algebra, and other methods.

This course is cross-listed with GEOS 4553.

ANTH 4563. Vector GIS (Sp). 3 Hours.
Introduction to geographic information systems (GIS) applications in marketing, transportation, real estate, demographics, urban and regional planning, and related areas. Lectures focus on development of principles, paralleled by workstation-based laboratory exercises using mainstream GIS software and relational databases. Prerequisite: GEOS 3023 or GEOS 3543.

This course is cross-listed with GEOS 4563.

ANTH 4583. Peoples and Cultures of Sub-Saharan Africa (Fa). 3 Hours.
An exploration of the people and places of Africa from a variety of anthropological perspectives. Classic and contemporary works will be studied in order to underscore the unity and diversity of African cultures, as well as the importance African societies have played in helping us understand culture/society throughout the world. This course is cross-listed with AAST 4583.

Introduction to navigation, georeferencing, and digital data collection using GPS and GNSS receivers, data loggers, and laser technology. Components of NavStar GLONSS, Beidou and other global positioning system are used in integration of digital information into various GIS platforms with emphasis on practical applications. Prerequisite: GEOS 3543 or ANTH 3543.

This course is cross-listed with GEOS 4593.

ANTH 4603. Landscape Archaeology (Fa). 3 Hours.
This course provides an introduction to the methods and theories of landscape archaeology. Topics include archaeological survey techniques, environmental and social processes recorded in the archaeological landscape, and analysis of ancient settlement and land use data to reveal changes in population, resource utilization, and environmental relationships.

ANTH 4613. Primate Adaptation and Evolution (Sp). 3 Hours.
Introduction to the biology of the order of Primates. This course considers the comparative anatomy, behavioral ecology and paleontology of our nearest living relatives. Prerequisite: ANTH 1013 (or BIOL 1543 and BIOL 1541L).

This course is cross-listed with BIOL 4613.

Ground-based geophysical, aerial, and other remote sensing methods are examined for detecting, mapping, and understanding archeological and other deposits. These methods include magnetometry, resistivity, conductivity, radar, aerial photography, thermography, and multispectral scanning. Requires computer skills, field trips, and use of instruments.

ANTH 4653. GIS Analysis and Modeling (Sp). 3 Hours.
Unlike conventional GIS courses that focus on studying "where", this course will teach students to address beyond "where" using various GIS analysis and modeling techniques to explore "why" and "how". The course will provide theoretical and methodological reviews of the principles of cartographic modeling and multi-criteria decision-making.

This course is cross-listed with GEOS 4653.

ANTH 4703. Mammalian Evolution and Osteology (Irregular). 3 Hours.
This course will focus on describing the evolutionary history of mammals, a group of vertebrates that include over 5,000 species in 29 orders, and will provide an overview of living species and their identifying features. Prerequisite: ANTH 1013 and ANTH 1011L, BIOL 1543 and BIOL 1541L, or instructor consent.

ANTH 4803. Historical Archeology (Irregular). 3 Hours.
Review of the development of historical archeology and discussion of contemporary theory, methods, and substantive issues. Lab sessions on historic artifact identification and analysis.

ANTH 4813. Ethnographic Approaches to the Past (Irregular). 3 Hours.
Review of the uses of ethnographic data in the reconstruction and interpretation of past cultures and cultural processes, with particular emphasis on the relationships between modern theories of culture and archeological interpretation.

ANTH 482V. Applied Visual Research (Irregular). 1-6 Hour.
This class provides hands-on skill and training conducting visually informed fieldwork designed to help represent unique cultural settings, experience, and heritage. Pre- or Corequisite: ANTH 4273 or ANTH 4283.
ANTH 4863. Quantitative Anthropology (irregular). 3 Hours.
Introductory statistics course for anthropology students examines probability theory, nature of anthropological data, data graphics, descriptive statistics, probability distributions, test for means and variances, categorical and rank methods, ANOVA, correlation and regression. Lectures focus on theory methods; utilize anthropological data and a statistical software laboratory.

This course is cross-listed with GEOS 4863.

ANTH 4903. Seminar in Anthropology (irregular). 3 Hours.
Research, discussion, and projects focusing on a variety of topics. May be repeated for up to 12 hours of degree credit.

ANTH 4913. Topics of the Middle East (irregular). 3 Hours.
Covers a special topic or issue. May be repeated for up to 9 hours of degree credit.

ANTH 500V. Advanced Problems in Anthropology (Sp, Su, Fa). 1-18 Hour.
Individual research at graduate level on clearly defined problems or problem areas. May be repeated for up to 18 hours of degree credit.

Advanced vector operations and analysis. Topics will include topological analysis, network analysis, geocoding, conflation, implications of source and product map scale, map generation, error mapping, and cartographic production. Prerequisite: ((ANTH 4563 or ANTH 5563 (formerly ANTH 4563)) or ((GEOS 4583 or GEOS 5583 (formerly GEOS 4583)) or equivalent.

This course is cross-listed with ENDY 5033, GEOS 5033.

ANTH 5053. Quaternary Environments (Fa). 3 Hours.
An interdisciplinary study of the Quaternary Period including dating methods, deposits, soils, climates, tectonics, and human adaptation. Lecture 2 hours, laboratory 2 hours per week.

This course is cross-listed with ENDY 5053, GEOS 5053.

ANTH 5063. Popular Culture (irregular). 3 Hours.
(Formerly ANTH 4033.) Study of national and international varieties of popular culture, including music, dance, fashion, and the media. Emphasis will be given to both ethnographic approaches, which focus on the investigation of production and consumption of cultural forms and to cultural studies approaches, which see culture as a terrain of struggle. Graduate degree credit will not be given for both ANTH 4033 and ANTH 5063.

ANTH 5093. The Archeology of Death (irregular). 3 Hours.
(Formerly ANTH 4093.) Study of the analysis and interpretation of archeological mortuary remains and sites. Key archeological and anthropological sources that have influenced major theoretical developments are reviewed. Graduate degree credit will not be given for both ANTH 4093 and ANTH 5093.

ANTH 5103. Applications of Cultural Method and Theory (Fa). 3 Hours.
Review of the nature and history of cultural anthropology; recent theories and practical implications and applications of various methods of acquiring, analyzing, and interpreting anthropological data.

ANTH 5113. Anthropology of the City (irregular). 3 Hours.
Examines cities as both products of culture, and sites where culture is made and received. Explores the implications of several pivotal urban and cultural trends and the way in which representations of the city have informed dominant ideas about city space, function, and feel.

ANTH 5123. Ancient Middle East (irregular). 3 Hours.
(Formerly ANTH 4123.) The archeology of the ancient Middle East with emphasis upon the interaction of ecology, technology and social structure as it pertains to domestication and urbanization. Graduate degree credit will not be given for both ANTH 4123 and ANTH 5123.

ANTH 5133. Settlement Archaeology (irregular). 3 Hours.
(Formerly ANTH 4133.) Focuses on the historical development of settlement archeology, the methods of site survey and discovery within regions, ecological and social theories that underlie patterns of human land use and distribution, methods of site location analysis, and descriptive and predictive site location modeling. Graduate degree credit will not be given for both ANTH 4133 and ANTH 5133.

ANTH 5143. Ecological Anthropology (irregular). 3 Hours.
(Formerly ANTH 4143.) Anthropological perspectives on the study of relationships among human populations and their ecosystems. Graduate degree credit will not be given for both ANTH 4143 and ANTH 5143.

ANTH 5153. Topics in Anthropology (irregular). 3 Hours.
Graduate level seminar with varied emphasis on topics relating to cultural anthropology. May be repeated for degree credit.

ANTH 5203. Applications of Archeological Method and Theory (Fa). 3 Hours.
Review of the nature and history of archeology; recent theories and practical implications and applications of various methods of acquiring, analyzing, and interpreting archeological data.

ANTH 5243. Archeology of the Midsouth (irregular). 3 Hours.
(Formerly ANTH 4243.) Survey of prehistoric and protohistoric cultures of the lower Mississippi Valley and adjacent regions. Graduate degree credit will not be given for both ANTH 4243 and ANTH 5243.

ANTH 5256. Archeological Field Session (Su). 6 Hours.
(Formerly ANTH 4256.) Practical field and laboratory experiences in archeological research. Graduate degree credit will not be given for both ANTH 4256 and ANTH 5256.

ANTH 5263. Indians of Arkansas and the South (Odd years, Sp). 3 Hours.
Study of the traditional lifeways and prehistoric backgrounds of Indians living in the southern United States, including Arkansas.

ANTH 5273. Photography for Fieldwork (irregular). 3 Hours.
(Formerly ANTH 4273.) This class explores the use of photographic images as both data and representational tools in anthropological research, emphasizing the ethical, theoretical, and methodological issues involved. Graduate degree credit will not be given for both ANTH 4273 and ANTH 5273.

ANTH 5283. Survey in Ethnographic Film (irregular). 3 Hours.
(Formerly ANTH 4283.) Survey of the development and evolution of ethnographic film, based on class screenings to build familiarity, vocabulary, and literacy with this branch of visual anthropology. Graduate degree credit will not be given for both ANTH 4283 and ANTH 5283.

ANTH 5293. Identity and Culture in the U.S.-Mexico Borderlands (irregular). 3 Hours.
(Formerly ANTH 4263.) An exploration of the interplay between Latino/a, Mexican, Anglo, and Native American identities and cultures along the U.S.-Mexico border. Course examines identity formation, hybridity, social tension, marginalization, race and gender, from an anthropological perspective, paying special attention to the border as theoretical construct as well as material reality. Graduate degree credit will not be given for both ANTH 4263 and ANTH 5293.

ANTH 5303. Applications of Method and Theory in Biological Anthropology (irregular). 3 Hours.
Review of the nature and history of biological anthropology; recent theories and the practical implications and applications of various methods of acquiring, analyzing, and interpreting data.

ANTH 5313. Laboratory Methods in Archeology (irregular). 3 Hours.
(Formerly ANTH 4353.) Theory and practice of describing, analyzing, and reporting upon archeological materials. Graduate degree credit will not be given for both ANTH 4353 and ANTH 5313.
ANTH 535V. Topics in Physical Anthropology (Irregular). 1-6 Hour.
Graduate level seminar with varied emphasis on topics relating to physical anthropology. May be repeated for degree credit.

ANTH 5363. Museums, Material Culture, and Popular Imagination (Fa). 3 Hours.
(Formerly ANTH 4363.) Museums as ideological sites and thus as sites of potential contestation produce cultural and moral systems that legitimate existing social orders. This course will focus on strategies of representation and the continuous process of negotiating social and cultural hierarchies with and through objects that are displayed. Graduate degree credit will not be given for both ANTH 4363 and ANTH 5363.

ANTH 5413. Bioarcheology Seminar (Odd years, Sp). 3 Hours.
Intensive coverage of bioarcheological method and theory with the context of both academic and cultural resources management research.

ANTH 5423. Human Evolutionary Anatomy (Irregular). 3 Hours.
Paleoanthropologists reconstruct past lifeways and systematic relationships of our ancestors using comparative studies of bony morphology and associated soft tissues. This course surveys methods and theories used to infer function and phylogeny, and details relevant aspects of the anatomy of humans, living great apes, and fossil human ancestors. Prerequisite: ANTH 1013 and BIOL 1543. This course is cross-listed with BIOL 5423.

Concentrated discussion of management problems relative to cultural resources, including review and interpretation of relevant federal legislation, research vs. planning needs, public involvement and sponsor planning, and assessment of resources relative to scientific needs. No field training involved; discussion will deal only with administrative, legal, and scientific management problems.

ANTH 5473. Descriptive Linguistics (Fa). 3 Hours.
A scientific study of language with primary emphasis on modern linguistic theory and analysis. Topics include phonology, morphology, syntax, semantics, language acquisition, and historical development of world languages. This course is cross-listed with WLLC 5463, ENGL 5463.

ANTH 548V. Individual Study of Anthropology (Sp, Su, Fa). 1-6 Hour.
(Formerly ANTH 448V.) Reading course for advanced students with special interests in anthropology. Graduate degree credit will not be given for both ANTH 448V and ANTH 548V. May be repeated for up to 6 hours of degree credit.

(Formerly ANTH 4513.) An exploration of African religions from a variety of anthropological perspectives, exploring how religious experience is perceived and interpreted by adherents, highlighting the way in which individual and group identities are constructed, maintained and contested within religious contexts. Readings reflect the vast diversity of religious life in Africa. Graduate degree credit will not be given for both ANTH 4513 and ANTH 5513.

ANTH 5523. Dental Science (Fa). 3 Hours.
(Formerly ANTH 4523.) Introduction to the study of the human dentition including its anatomy, morphology, growth and development, and histology. Graduate degree credit will not be given for both ANTH 4523 and ANTH 5523.

ANTH 5553. Introduction to Raster GIS (Fa). 3 Hours.
(Formerly ANTH 4553.) Theory, data structures, algorithms, and techniques behind raster-based geographical information systems. Through laboratory exercises and lectures multidisciplinary applications are examined in database creation, remotely sensed data handling, elevation models, and resource models using boolean, map algebra, and other methods. Credit will not be given for both ANTH 4553 and ANTH 5553.

ANTH 5563. Vector GIS (Sp). 3 Hours.
(Formerly ANTH 4563.) Introduction to geographic information systems (GIS) applications in marketing, transportation, real estate, demographics, urban and regional planning, and related areas. Lectures focus on development of principles, paralleled by workstation-based laboratory exercises using mainstream GIS software and relational databases. Credit will not be given for both ANTH 4563 and ANTH 5563.

This course is cross-listed with GEOS 5563.

ANTH 5563. Peoples and Cultures of Sub-Saharan Africa (Fa). 3 Hours.
(Formerly ANTH 4583.) An exploration of the people and places of Africa from a variety of anthropological perspectives. Classic and contemporary works will be studied in order to underscore the unity and diversity of African cultures, as well as the importance African societies have played in helping us understand culture/society throughout the world. Credit will not be given for both ANTH 4583 and ANTH 5563.

(Formerly ANTH 4593.) Introduction to navigation, georeferencing, and digital data collection using GPS and GNSS receivers, data loggers, and laser technology. Components of NavStar GLONASS, Beidou and other global positioning system are used in integration of digital information into various GIS platforms with emphasis on practical applications. Credit will not be given for both ANTH 4593 and ANTH 5593.

This course is cross-listed with GEOS 5293.

ANTH 5603. Landscape Archaeology (Fa). 3 Hours.
(Formerly ANTH 4603.) This course provides an introduction to the methods and theories of landscape archaeology. Topics include archaeological survey techniques, environmental and social processes recorded in the archaeological landscape, and analysis of ancient settlement and land use data to reveal changes in population, resource utilization, and environmental relationships. Credit will not be given for both ANTH 4603 and ANTH 5603.

ANTH 561V. Field Research in Archeology (Irregular). 1-6 Hour.
Directed graduate level archeological fieldwork. May be repeated for up to 6 hours of degree credit.

ANTH 5623. Primate Adaptation and Evolution (Sp). 3 Hours.
(Formerly ANTH 4613.) Introduction to the biology of the order of Primates. This course considers the comparative anatomy, behavioral ecology and paleontology of our nearest living relatives. Credit will not be given for both ANTH 4613 and ANTH 5623.

(Formerly ANTH 4633.) Ground-based geophysical, aerial, and other remote sensing methods are examined for detecting, mapping, and understanding archeological and other deposits. These methods include magnetometry, resistivity, conductivity, radar, aerial photography, thermography, and multispectral scanning. Requires computer skills, field trips, and use of instruments. Credit will not be given for both ANTH 4633 and ANTH 5633.

ANTH 5653. GIS Analysis and Modeling (Sp). 3 Hours.
(Formerly ANTH 4653.) Unlike conventional GIS courses that focus on studying "where", this course will teach students to address beyond "where" using various GIS analysis and modeling techniques to explore "why" and "how". The course will provide theoretical and methodological reviews of the principles of cartographic modeling and multi-criteria decision-making. Credit will not be given for both ANTH 4653 and ANTH 5653.

This course is cross-listed with GEOS 5653, ENDY 5043.
ANTH 5703. Mammalian Evolution and Osteology (Irregular). 3 Hours.
(Formerly ANTH 4703.) This course will focus on describing the evolutionary history of mammals, a group of vertebrates that include over 5,000 species in 29 orders, and will provide an overview of living species and their identifying features. Credit will not be given for both ANTH 4703 and ANTH 5703. Prerequisite: ANTH 1013 and ANTH 1011L, BIOL 1543 and BIOL 1541L, or instructor consent.

ANTH 5803. Historical Archeology (Irregular). 3 Hours.
(Formerly ANTH 4803.) Review of the development of historical archeology and discussion of contemporary theory, methods, and substantive issues. Lab sessions on historic artifact identification and analysis. Graduate degree credit will not be given for both ANTH 4803 and ANTH 5803.

ANTH 5813. Ethnographic Approaches to the Past (Irregular). 3 Hours.
(Formerly ANTH 4813.) Review of the uses of ethnographic data in the reconstruction and interpretation of past cultures and cultural processes, with particular emphasis on the relationships between modern theories of culture and archeological interpretation. Credit will not be given for both ANTH 4813 and ANTH 5813.

ANTH 582V. Applied Visual Research (Irregular). 1-6 Hour.
(Formerly ANTH 482V.) This class provides hands-on skill and training conducting visually informed fieldwork designed to help represent unique cultural settings, experience, and heritage. Credit will not be given for both ANTH 482V and ANTH 582V.

ANTH 5863. Quantitative Anthropology (Irregular). 3 Hours.
(Formerly ANTH 4863.) Introductory statistics course for anthropology students examines probability theory, nature of anthropological data, data graphics, descriptive statistics, probability distributions, test for means and variances, categorical and rank methods, ANOVA, correlation and regression. Lectures focus on theory methods; utilize anthropological data and a statistical software laboratory. Credit will not be given for both ANTH 4863 and ANTH 5863. This course is cross-listed with GEOS 5863.

ANTH 5903. Seminar in Anthropology (Irregular). 3 Hours.
(Formerly ANTH 4903.) Research, discussion, and projects focusing on a variety of topics. Credit will not be given for both ANTH 4903 and ANTH 5903. May be repeated for up to 12 hours of degree credit.

ANTH 5913. Topics of the Middle East (Irregular). 3 Hours.
(Formerly ANTH 4913.) Covers a special topic or issue. Credit will not be given for both ANTH 4913 and ANTH 5913. May be repeated for up to 9 hours of degree credit.

ANTH 600V. Master's Thesis (Sp, Su, Fa). 1-6 Hour.
Master's Thesis. May be repeated for degree credit.

ANTH 6033. Seminar: Biological Anthropology (Irregular). 3 Hours.
Various topics in Biological Anthropology will be explored in depth. May be repeated for up to 9 hours of degree credit.

ANTH 603V. Doctoral Dissertation (Sp, Fa). 1-18 Hour.
Doctoral Dissertation. May be repeated for degree credit.

ANTH 6813. Seminar: Cultural Anthropology (Irregular). 3 Hours.
Variable topics in Anthropology will be explored in depth. May be repeated for up to 9 hours of degree credit.

ANTH 6823. Seminar: Archeology (Irregular). 3 Hours.
Various topics in Archeology will be explored in depth. May be repeated for up to 9 hours of degree credit.

ANTH 6833. Seminar: Biological Anthropology (Irregular). 3 Hours.
Various topics in Biological Anthropology will be explored in depth. May be repeated for up to 9 hours of degree credit.

Various topics in Quantitative Anthropology will be explored in depth. May be repeated for up to 9 hours of degree credit.

ANTH 700V. Doctoral Dissertation (Sp, Fa). 1-18 Hour.
Doctoral Dissertation. May be repeated for degree credit.