

# Anthropology (ANTH)

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## Courses

### **ANTH 1011L. Introduction to Biological Anthropology Laboratory. 1 Hour.**

Laboratory exercises illustrating concepts of physical anthropology. Corequisite: ANTH 1013. (Typically offered: Fall)

### **ANTH 1011M. Honors Introduction to Biological Anthropology Laboratory. 1 Hour.**

Laboratory exercises illustrating concepts of physical anthropology. Corequisite: ANTH 1013. (Typically offered: Fall)

This course is equivalent to ANTH 1011L.

### **ANTH 1013. Introduction to Biological Anthropology. 3 Hours.**

An introduction to the field of biological anthropology using evolution and human variation as unifying concepts. Areas include human genetics, race, speciation, primate and human evolution, and human variation and adaptation. Corequisite: ANTH 1011L. (Typically offered: Spring and Summer)

### **ANTH 1013H. Honors Introduction to Biological Anthropology. 3 Hours.**

An introduction to the field of biological anthropology using evolution and human variation as unifying concepts. Areas include human genetics, race, speciation, primate and human evolution, and human variation and adaptation. Corequisite: ANTH 1011M. (Typically offered: Fall and Spring)

This course is equivalent to ANTH 1013.

### **ANTH 1023. Introduction to Cultural Anthropology (ACTS Equivalency = ANTH 2013). 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. (Typically offered: Fall, Spring and Summer)

### **ANTH 1023H. Honors Introduction to Cultural Anthropology. 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. (Typically offered: Fall and Spring)

This course is equivalent to ANTH 1023.

### **ANTH 1033. Introduction to Archaeology. 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. (Typically offered: Fall and Spring)

### **ANTH 2013. Introduction to Latin American Studies. 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. (Typically offered: Irregular)

### **ANTH 3003. World Prehistory. 3 Hours.**

Survey of the prehistoric and early historic cultures of the Americas, Asia, and Africa. (Typically offered: Irregular)

### **ANTH 3023. Approaches to Archeology. 3 Hours.**

Study of the field of archeology including method, theory, analysis and interpretation with substantive worldwide examples. Prerequisite: ANTH 1033. (Typically offered: Spring)

### **ANTH 3043. Bones, Bodies, and Brains in Evolutionary Perspective. 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. (Typically offered: Irregular)  
This course is cross-listed with BIOL 3043.

### **ANTH 3123. The Anthropology of Religion. 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. (Typically offered: Spring)

### **ANTH 3163. Male and Female: A Cultural and Biological Overview. 3 Hours.**

A comparative study of male and female roles in culture in relation to human biology and socialization. (Typically offered: Fall)

### **ANTH 3213. Indigenous Peoples of North America: Anthropological Perspectives. 3 Hours.**

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. (Typically offered: Irregular)

### **ANTH 3263. Indians of Arkansas and the South. 3 Hours.**

Study of the traditional lifeways and prehistoric backgrounds of Indians living in the Southern United States, including Arkansas. (Typically offered: Spring Odd Years)

### **ANTH 3421L. Human Osteology Laboratory. 1 Hour.**

Laboratory exercises illustrating concepts of human osteology. Corequisite: ANTH 3423. (Typically offered: Spring)

### **ANTH 3423. Human Osteology. 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. (Typically offered: Spring)

### **ANTH 3433. Human Evolution. 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. (Typically offered: Fall)

### **ANTH 3473. North American Prehistory. 3 Hours.**

Survey of the aboriginal prehistory of the North American Continent north of Mexico. (Typically offered: Irregular)

### **ANTH 3533. Medical Anthropology. 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. (Typically offered: Irregular)

### **ANTH 3543. Geospatial Applications and Information Science. 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. (Typically offered: Fall and Spring)  
This course is cross-listed with GEOS 3543.

### **ANTH 3553. Religion in Latin America. 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. (Typically offered: Irregular)

### **ANTH 3563. Culture and Medicine. 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. (Typically offered: Irregular)

### **ANTH 3573. Ballroom Culture and Performance in the West. 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. (Typically offered: Irregular)

**ANTH 3583. Body and Identity. 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. (Typically offered: Irregular)

This course is cross-listed with GNST 3583.

**ANTH 3903. Topics in Anthropology. 3 Hours.**

Covers a special topic or issue. (Typically offered: Irregular) May be repeated for up to 12 hours of degree credit.

**ANTH 3923H. Honors Colloquium. 3 Hours.**

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

**ANTH 399VH. Honors Thesis. 1-6 Hour.**

Honors thesis. Prerequisite: Junior standing. (Typically offered: Fall, Spring and Summer) May be repeated for up to 12 hours of degree credit.

**ANTH 4013. History of Anthropological Thought. 3 Hours.**

Detailed consideration of anthropological theory through study of its historical development. The research paper fulfills the Fulbright College Writing Requirement for anthropology majors. Prerequisite: ANTH 1023. (Typically offered: Fall)

**ANTH 4033. Popular Culture. 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. (Typically offered: Irregular)

**ANTH 4093. The Archeology of Death. 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. (Typically offered: Irregular)

**ANTH 4133. Settlement Archaeology. 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. (Typically offered: Irregular)

**ANTH 4143. Ecological Anthropology. 3 Hours.**

Anthropological perspectives on the study of relationships among human populations and their ecosystems. (Typically offered: Irregular)

**ANTH 4243. Archeology of the Midsouth. 3 Hours.**

Survey of prehistoric and protohistoric cultures of the lower Mississippi Valley and adjacent regions. Prerequisite: Junior standing. (Typically offered: Irregular)

**ANTH 4256. Archeological Field Session. 6 Hours.**

Practical field and laboratory experiences in archeological research. (Typically offered: Summer) May be repeated for up to 12 hours of degree credit.

**ANTH 4263. Identity and Culture in the U.S.-Mexico Borderlands. 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. (Typically offered: Irregular)

**ANTH 4273. Photography for Fieldwork. 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. (Typically offered: Irregular)

**ANTH 4283. Survey in Ethnographic Film. 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. (Typically offered: Irregular)

**ANTH 4353. Laboratory Methods in Archeology. 3 Hours.**

Theory and practice of describing, analyzing, and reporting upon archeological materials. (Typically offered: Irregular)

**ANTH 4363. Museums, Material Culture, and Popular Imagination. 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. (Typically offered: Fall)

**ANTH 4443. Cultural Resource Management I. 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. (Typically offered: Spring) May be repeated for degree credit.

**ANTH 448V. Individual Study of Anthropology. 1-6 Hour.**

Reading course for advanced students with special interests in anthropology. (Typically offered: Fall, Spring and Summer) May be repeated for up to 6 hours of degree credit.

**ANTH 4513. African Religions: Gods, Witches, Ancestors. 3 Hours.**

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. (Typically offered: Irregular)

**ANTH 4523. Dental Science. 3 Hours.**

Introduction to the study of the human dentition including its anatomy, morphology, growth and development, and histology. (Typically offered: Fall)

**ANTH 4533. Middle East Cultures. 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. (Typically offered: Spring) May be repeated for up to 9 hours of degree credit.

**ANTH 4553. Introduction to Raster GIS. 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. (Typically offered: Fall)

This course is cross-listed with GEOS 4553.

**ANTH 4563. Vector GIS. 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. (Typically offered: Spring)

This course is cross-listed with GEOS 4583.

**ANTH 4583. Cultures of Africa. 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. (Typically offered: Fall)

This course is cross-listed with AAST 4583.

**ANTH 4593. Introduction to Global Positioning Systems and Global Navigation Satellite Systems. 3 Hours.**

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. Prerequisite: GEOS 3543 or ANTH 3543. (Typically offered: Spring)

This course is cross-listed with GEOS 4593.

**ANTH 4603. Landscape Archaeology. 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. (Typically offered: Fall)

**ANTH 4613. Primate Adaptation and Evolution. 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). (Typically offered: Spring)

This course is cross-listed with BIOL 4613.

**ANTH 4633. Archeological Prospecting and Remote Sensing. 3 Hours.**

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. (Typically offered: Irregular)

**ANTH 4653. GIS Analysis and Modeling. 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. (Typically offered: Spring)

This course is cross-listed with GEOS 4653.

**ANTH 4703. Mammalian Evolution and Osteology. 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 or BIOL 1543 and BIOL 1541L or instructor consent. (Typically offered: Irregular)

**ANTH 4803. Historical Archeology. 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. (Typically offered: Irregular)

**ANTH 4813. Ethnographic Approaches to the Past. 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. (Typically offered: Irregular)

**ANTH 482V. Applied Visual Research. 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. (Typically offered: Irregular)

**ANTH 4863. Quantitative Anthropology. 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. (Typically offered: Irregular)

This course is cross-listed with GEOS 4863.

**ANTH 4903. Seminar in Anthropology. 3 Hours.**

Research, discussion, and projects focusing on a variety of topics. (Typically offered: Irregular) May be repeated for up to 12 hours of degree credit.

**ANTH 4913. Topics of the Middle East. 3 Hours.**

Covers a special topic or issue. (Typically offered: Irregular) May be repeated for up to 9 hours of degree credit.

**ANTH 500V. Advanced Problems in Anthropology. 1-18 Hour.**

Individual research at graduate level on clearly defined problems or problem areas. (Typically offered: Fall, Spring and Summer) May be repeated for up to 18 hours of degree credit.

**ANTH 5053. Quaternary Environments. 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. (Typically offered: Fall)

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

**ANTH 5063. Popular Culture. 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. (Typically offered: Irregular)

**ANTH 5093. The Archeology of Death. 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. (Typically offered: Irregular)

**ANTH 5103. Applications of Cultural Method and Theory. 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 cultural anthropological data. (Typically offered: Fall)

**ANTH 5113. Anthropology of the City. 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. (Typically offered: Irregular)

**ANTH 5133. Settlement Archaeology. 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. (Typically offered: Irregular)

**ANTH 5143. Ecological Anthropology. 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. (Typically offered: Irregular)

**ANTH 5153. Topics in Anthropology. 3 Hours.**

Graduate level seminar with varied emphasis on topics relating to cultural anthropology. (Typically offered: Irregular) May be repeated for degree credit.

**ANTH 5203. Applications of Archeological Method and Theory. 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. (Typically offered: Fall)

**ANTH 5243. Archeology of the Midsouth. 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. (Typically offered: Irregular)

**ANTH 5256. Archeological Field Session. 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. (Typically offered: Summer)

**ANTH 5263. Indians of Arkansas and the South. 3 Hours.**

Study of the traditional lifeways and prehistoric backgrounds of Indians living in the southern United States, including Arkansas. (Typically offered: Spring Odd Years)

**ANTH 5273. Photography for Fieldwork. 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. (Typically offered: Irregular)

**ANTH 5283. Survey in Ethnographic Film. 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. (Typically offered: Irregular)

**ANTH 5293. Identity and Culture in the U.S.-Mexico Borderlands. 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. (Typically offered: Irregular)

**ANTH 5303. Applications of Method and Theory in Biological Anthropology. 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. (Typically offered: Irregular)

**ANTH 5313. Laboratory Methods in Archeology. 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. (Typically offered: Irregular)

**ANTH 5363. Museums, Material Culture, and Popular Imagination. 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. (Typically offered: Fall)

**ANTH 5413. Bioarcheology Seminar. 3 Hours.**

Intensive coverage of bioarcheological method and theory with the context of both academic and cultural resources management research. (Typically offered: Spring Odd Years)

**ANTH 5443. Cultural Resource Management I. 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. (Typically offered: Irregular)

**ANTH 5473. Descriptive Linguistics. 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. (Typically offered: Fall) This course is cross-listed with WLLC 5463, ENGL 5463.

**ANTH 548V. Individual Study of Anthropology. 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. (Typically offered: Fall, Spring and Summer) May be repeated for up to 6 hours of degree credit.

**ANTH 5513. African Religions: Gods, Witches, Ancestors. 3 Hours.**

(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. (Typically offered: Irregular)

**ANTH 5523. Dental Science. 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. (Typically offered: Fall)

**ANTH 5553. Introduction to Raster GIS. 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. (Typically offered: Fall) This course is cross-listed with GEOS 5453.

**ANTH 5563. Vector GIS. 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. (Typically offered: Spring) This course is cross-listed with GEOS 5583.

**ANTH 5583. Cultures of Africa. 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. (Typically offered: Fall)

**ANTH 5593. Introduction to Global Positioning Systems and Global Navigation Satellite Systems. 3 Hours.**

(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. (Typically offered: Spring)  
This course is cross-listed with GEOS 5293.

**ANTH 5603. Landscape Archaeology. 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. (Typically offered: Fall)

**ANTH 561V. Field Research in Archeology. 1-6 Hour.**

Directed graduate level archeological fieldwork. (Typically offered: Irregular) May be repeated for up to 6 hours of degree credit.

**ANTH 5623. Primate Adaptation and Evolution. 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. (Typically offered: Spring)  
This course is cross-listed with BIOL 5613.

**ANTH 5633. Archeological Prospecting & Remote Sensing. 3 Hours.**

(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. (Typically offered: Irregular)

**ANTH 5653. GIS Analysis and Modeling. 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. (Typically offered: Spring)  
This course is cross-listed with GEOS 5653, ENDY 5043.

**ANTH 5703. Mammalian Evolution and Osteology. 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. (Typically offered: Irregular)  
This course is cross-listed with BIOL 5883.

**ANTH 5803. Historical Archeology. 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. (Typically offered: Irregular)

**ANTH 5813. Ethnographic Approaches to the Past. 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. (Typically offered: Irregular)

**ANTH 582V. Applied Visual Research. 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. (Typically offered: Irregular)

**ANTH 5863. Quantitative Anthropology. 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. (Typically offered: Irregular)  
This course is cross-listed with GEOS 5863.

**ANTH 5903. Seminar in Anthropology. 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. (Typically offered: Irregular) May be repeated for up to 12 hours of degree credit.

**ANTH 5913. Topics of the Middle East. 3 Hours.**

(Formerly ANTH 4913.) Covers a special topic or issue. Credit will not be given for both ANTH 4913 and ANTH 5913. (Typically offered: Irregular) May be repeated for up to 9 hours of degree credit.

**ANTH 600V. Master's Thesis. 1-6 Hour.**

Master's Thesis. (Typically offered: Fall, Spring and Summer) May be repeated for degree credit.

**ANTH 6033. Society and Environment. 3 Hours.**

This course examines the complex interrelationships between human societies and the natural environment. Drawing on diverse and interdisciplinary perspectives in archaeology, ethnography, history, geography, and palaeo-environmental studies, readings and discussion will explore the co-production of social and environmental systems over time. (Typically offered: Spring) May be repeated for degree credit.  
This course is cross-listed with ENDY 6033.

**ANTH 610V. Internship. 1-18 Hour.**

Internship. (Typically offered: Fall, Spring and Summer) May be repeated for up to 18 hours of degree credit.

**ANTH 6813. Seminar: Cultural Anthropology. 3 Hours.**

Variable topics in Anthropology will be explored in depth. (Typically offered: Irregular) May be repeated for up to 9 hours of degree credit.

**ANTH 6823. Seminar: Archeology. 3 Hours.**

Various topics in Archeology will be explored in depth. (Typically offered: Irregular) May be repeated for up to 9 hours of degree credit.

**ANTH 6833. Seminar: Biological Anthropology. 3 Hours.**

Various topics in Biological Anthropology will be explored in depth. (Typically offered: Irregular) May be repeated for up to 9 hours of degree credit.

**ANTH 700V. Doctoral Dissertation. 1-18 Hour.**

Doctoral Dissertation. (Typically offered: Fall and Spring) May be repeated for degree credit.