Guide to Anthropology Courses

Anthropology spans parts of the humanities, social sciences, and natural sciences. It has direct applications to problems in such areas as management, international development, health care delivery, or social services, and it provides excellent background for training in law, urban planning, nursing, medicine, business, and other professions. A "C" minimum is required for ALL courses taken for an Anthropology Major. Anthropology programs at ASU reflect the full range of this diversity. The courses are usually classified in four broad categories that represent the traditional divisions of the field:

A. Social and Cultural Anthropology is concerned with the total range of human cultural diversity. Its goal is to understand the enormous diversity of human culture — to understand why and how different ways of life have arisen. Course offerings are of three kinds:
   1. The Introduction to Cultural/Social Anthropology is suitable for those who wish to explore the field for its inherent interest or for those who wish to acquire background for more advanced courses.
   2. Topical courses examine either theoretical and methodical issues or specific kinds of institutions, as in "Political Anthropology," "Comparative Religion," or "Primitive Art."
   3. Area courses examine the peoples and cultures of specific areas of the world — e.g., Middle America, Southeast Asia, North America.

B. Archaeology is the study of the human past. Its objective is to understand the development of culture over very long periods of time. Many archaeologists are interested in understanding the origins of great civilizations; others study the prehistory of specific areas such as the Southwest or Middle East. Some study the evolution of political systems, economic systems, and other human institutions. Some archaeology is related to studies of human origins. There are four kinds of archaeology courses at ASU:
   1. Like the introduction to sociocultural anthropology, the introduction to archaeology is suitable for those who want to explore or acquire background for more advanced courses. There is an Old World ASB 222 and a New World version, ASB 223
2. Many archaeology courses are concerned with the special methods used to recover information about the distant past — the methods of excavation, of data analysis, and of laboratory research with archaeological materials.

3. Some courses address topics such as the origin of the state and of domestication economies, the ecological adaptations of prehistoric peoples, and their social organizations.

4. Prehistory courses examine the prehistory of specific areas — e.g., North America, the Old World, Middle America, or the Southwest.

C. Linguistics courses examine not specific languages, but rather the nature of language and its role in human culture. Three kinds of linguistics courses are offered in the Anthropology Department:

   1. The general introduction examines the nature of sound systems of natural languages, of syntactic and semantic systems, and of the relationship of language to other elements of culture and social organization.

   2. Courses in Language and Culture and in Sociolinguistics examine the relationship between language and other elements of culture and social organization.

   3. A series of more technical courses gives detailed studies of sound systems, syntax, and other aspects of natural languages.

D. Physical (or Biological) Anthropology is the study of human origins and, more generally, of human genetic variation and its relation to culture. Central to physical anthropology is the study of human evolution and the biological dimensions of human unity and diversity. Physical anthropology courses can be divided into three broad categories:

   1. The basic introductory course (ASM 104) provides background for more advanced physical anthropology courses, as well as providing an overview of research on human origins and human biological variation.

   2. Courses on human origins overlap with other courses in archaeology and physical anthropology. A general introduction to this topic is offered; ASM 104 is a prerequisite. Fossil Hominids, Comparative Primate Anatomy, Primate Behavior, and other courses examine different dimensions of human origins.

   3. Studies of human biological variations are usually central to this topic and an introductory course with technical genetics is also given under the title, "Human Biological Variation." The social and moral implications of these topics are examined in another course. Courses on disease and human evolution, osteology, and dentition cover other aspects of human variation.

E. Museum Studies courses prepare students for careers in museums. The Department offers a formal program only at the graduate level, but undergraduate museum courses are offered regularly.

F. Bridge Courses. Each CLAS student in the 2001-2002 and beyond catalogs is required to complete one CLAS Bridge course of at least three semester hours. Bridge courses contain substantial content that bridges at least two of the areas of inquiry within the CLAS Graduation Requirements (Humanities, Social and Behavioral Sciences, and Natural Sciences and Mathematics). Bridge courses cannot be double counted to fill other requirements for the university or college.

Highlights of Fall 2007 offerings
A. Courses not regularly offered (in addition to all Special Topics and Seminar courses)
   ASB 191 FYS: Civilizations of Antiquities
   ASB 223 Buried Civilizations of the Americas
   ASB 489 Doing Research in Anthropology: Woodland Indian Religion
   ASB 531 Anthropology of Development
   ASB 544 Settlement Patterns
   ASM 345 Disease and Human Evolution

B. Any ASB courses are recommended for meeting Liberal Arts Social and Behavioral Science requirements.

C. Any ASM courses are recommended for meeting Liberal Arts Natural Science and Mathematics requirements (excluding Anthropology majors).

D. Night Courses
   ASB 202 Ethnic Relations in the U.S.
   ASB 394 ST: Aztec, Maya, Glyph
   ASB 494 ST: Archaeometry I/II: Archaeomaterials/Technology
   ASM 348 Social Issues in Human Evolution
   ASM 591 S: Social Issues in Human Evolution

E. Museum Studies and Related Courses
   ASB 584 INT: Museum Studies
   ASB 571 Museum Principles
F. **Graduate Level Courses** (in addition to Omnibus courses)

ASB 500  RM: Ethnographic Research Methods
ASB 531  Anthropology of Development
ASB 540  Scholarly Inquiry in Anthropology
ASB 544  Settlement Patterns
ASB 581  Museum Principles
ASB 591  S: Early Hominid Sociality
ASB 591  S: Migration & Society
ASB 591  S: Professionalism
ASB 591  S: Computer Simulation/ Social Sciences
ASB 591  S: Health: Social and Biocultural Theory
ASB 591  S: Society & Environment
ASB 591  S: City & Environment
ASB 591  S: Work, Consumption & Environment
ASB 591  S: The Maya
ASB 591  S: Near East Complex Societies
ASB 591  S: Principles of Sustainability
ASB 598  ST: Aztecs & Incas
ASM 580  Internship: CRM
ASM 591  S: Principles of Human Genetics
ASM 591  S: Bioarchaeology of Identity
ASM 591  S: Social Issues of Human Genetics
ASM 591  S: Mathematical Models in Ecology
ASM 598  ST: Intro to SAS Programming
ASM 691  S: Paleopathology

ASB 394  ST: Technology & Society
ASB 394  ST: Pre-Colonial Africa
ASB 394  ST: Rules, Games and Community Resources
ASB 394  ST: Aztec, Maya, Glyph
ASB 494  ST: Research Methods
ASB 494  ST: Community of Undergrad Research Scholars
ASB 394  ST: Pre-Colonial Africa
ASB 394  ST: Health Issues: African American Community
ASB 494  ST: Social Simulation
ASB 494  ST: Visual Anthropology
ASB 494  ST: Education and Society
ASB 494  ST: Applying Anthropology
ASB 494  ST: Community of Undergrad Research Scholars
ASB 494  ST: Society and Environment
ASB 494  Archaeometry I/II: Archaeomaterials & Technology
ASB 494  ST: Aztecs and Incas
ASB 494  ST: Amazonian Culture
ASB 494  ST: Technology and Entertainment
ASM 394  ST: Fossil Primates
ASM 494  ST: Mathematical Models in Ecology

I. **Bridge Courses offered Fall 2006**

ASB 240  Introduction to Southeast Asia
ASB 326  Human Impacts on Ancient Environments
ASB 353  Death and Dying in a Cross-Cultural Perspective

J. **Internet Courses for Fall 2006**

ASB 102  Introduction to Social/Cultural Anthropology

ASB 394  ST: City and Environment
ASB 394  ST: Migration and Society
ASB 394  ST: Work, Consumption and Environment
ASB 394  Asian-Pacific Americans and Immigration

G. **Honors Courses (May be taken for Honors credit or Honors Students only).**

ASB 102  Intro. Cultural/Social Anthropology
ASB 211  Women in Other Cultures
ASB 222  Buried Cities and Lost Tribes
ASB 353  Anthropology of Sports
ASB 330  Principles of Archaeology
ASB 337  Prehispanic Civilizations of Middle America
ASB 480  Introduction to Linguistics
ASB 492  Honors Directed Study
ASB 493  Honors Thesis
ASB 494  ST: Community of Undergrad Research Scholars: Woodland Indian Religions
ASB 497  HC: Doing Research in Anthropology
ASB 492  Honors Directed Study
ASM 497  HC: Paleopathology
ASM 497  HC: Social Issues in Human Genetics

H. **Special Topics Courses.**

ASB 394  ST: City and Environment
ASB 394  ST: Migration and Society
ASB 394  ST: Work, Consumption and Environment
ASB 394  Asian-Pacific Americans and Immigration
ASB 102  Introduction to Social/Cultural Anthropology
Professor James Eder

LECTURE
MW 10:40 - 11:30 a.m.
COOR 170
# 85125

AND REGISTER FOR ONE OF THE FOLLOWING DISCUSSIONS
F 11:40 - 12:30 p.m., LL 247
# 73635

OR
F 12:40 - 1:30 p.m., LL 247
# 73636

OR
F 11:40 - 12:30 p.m., CPCOM 227
# 73637

OR
F 10:40 - 11:30 a.m., CPCOM 227
# 73638

OR
W 11:40 - 12:30 p.m., AG 301
# 73639

OR
W 1:40 - 2:30 p.m., AG 301
# 73639

OR
W 12:40 - 1:30 p.m., AG 301
# 73641

OR
W 11:40 - 12:30 p.m., LL 247
# 73642

OR
W 12:40 - 1:30 p.m., LL 247
# 73643

OR
F 10:40 - 11:30 a.m., BA L1-31
# 73644

OR
F 12:40 - 1:30 p.m., AG 301
# 73645

OR
W 1:40-2:30 p.m., LL 262
# 73646

OR
Staff
MWF 8:40 - 9:30 a.m.
PSH 151
# 73632

OR TRADITIONAL LECTURE
Staff
TTh 10:40 - 11:55 a.m.
PSH 153
# 73647

OR TRADITIONAL LECTURE
Staff
MWF 8:40 - 9:30 a.m.
PSH 151
# 73622

OR INTERNET
Assoc. Prof. Nora Haenn
INTERNET
See http://asuonline.asu.edu for more information and see special course description below.
# 73648

COURSE CONTENT:
Principles of cultural and social anthropology, with illustrative materials from a variety of cultures. The nature of culture; social, political, and economic systems; religion, esthetics, and language; development and change in an evolutionary framework. (G, SB)

COURSE FORMAT:
Lectures, videos, exams.

INTERNET SECTION ONLY: This on-line course introduces students to the concept of culture and the variety of cultural differences found in the realms of art, politics, family, gender, economics, and language. In today's global village, cultural differences are ever present in our lives. This course explains how this global village came about and provides intellectual tools for understanding the changing quality of cultural interactions. The course also allows students to undertake concrete practices in observation, interviewing, and cultural analysis, skills that are crucial for cross-cultural understanding.

INSTRUCTORS' INTERESTS AND BACKGROUNDS:
Eder--Ph.D. UC Santa Barbara 1974. Eder once taught high school biology and adult literacy in the Philippines, where he has since spent six years conducting anthropological fieldwork on Palawan Island. His research interests center the consequences of development and change for indigenous and other local residents. His current work concerns migration, livelihood, and coastal resource management in Philippine fishing communities.

Haenn--Ph.D. Indiana 1998. Haenn has research interests in cultural ecology, political and household
a sociocultural analysis of contemporary U.S. interethnic relations. Fulfills historical awareness and cultural diversity requirements. (SB, C, H)

COURSE FORMAT:
The class will include lecture, discussion, student activities, and films. The class will be evaluated primarily on the basis of three exams, short reading assignments, and perhaps several short papers.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D. Arizona State University. Ethnicity (ethnic relations in the U.S., ethnic relations in the Balkans), gender, and religion. Eastern Europe, the Balkans, Macedonia.

ASB 211 Women in Other Cultures
Prof. Elizabeth Brandt
TTh 10:40 - 11:55 am
PSF 101
# 73652

COURSE CONTENT:
This course examines women's lives, activities, and status in cross-cultural perspective. Examines contemporary theories on human origins, the development of culture, sex roles, and gender identity. Provides a broad overview on issues of dominance, power, symbolism, inequality, stratification, and development. Covers American Indian women and women in Latin America, Asia and Africa. (G, HU, SB)

COURSE FORMAT:
Discussion, lecture format, small group, short project papers, and exams. Films and ethnographic readings.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D. Southern Methodist. Brandt has a long-term interest in the issues of language and power as they relate to different levels of sociocultural complexity. This is expressed in her work on Pueblo societies and various problems in the areas of language, culture, and cognition. A sociolinguist who has worked on social variation in Southwest Indian languages and on issues of language maintenance and renewal, her research has been primarily in collaborative projects with Indian communities, tribes, and schools, and multiethnic institutions. She also has a strong interest in education and has studied language and literacy development in rural, urban, and Navajo populations.
ASB 222 Buried Cities and Lost Tribes: Our Human Heritage  
Prof. Steven Falconer  
TTh 10:40 - 11:55 am  
MUR 101  
# 712971  
COURSE CONTENT:  
This course is an introduction to archaeology through a dozen of the greatest discoveries and the researchers who conducted the work. Emphasis will be on the methods of archaeological fieldwork and what these discoveries have revealed about world prehistory. Subjects covered will include Pompeii, Troy, Crete, cities and civilizations, the origin of agriculture, the Mediterranean Basin, Mesopotamia, Egypt, and the Holyland. (HU, SB, G, H)  
COURSE FORMAT:  
There are no prerequisites. The course is intended for majors and non-majors alike and is not redundant with ASB 223. Lecture, videos, three exams.  
INSTRUCTOR'S INTERESTS AND BACKGROUND:  
Falconer--Ph.D., University of Arizona. Early civilizations of the Near East and Mediterranean Basin. Analysis of pottery technology and exchange. Settlement patterns, especially pre-industrial urbanism and ruralism. Has directed research on Bronze Age villages on Cyprus and in the Jordan Valley, Jordan.

ASB 223 Buried Civilizations of the Americas  
Prof. Michael Smith  
MWF 9:40 - 10:30 a.m.  
PSF 173  
# 73653  
COURSE CONTENT:  
Archaeology is the primary source of information about many of the most spectacular cultural achievements of the Americas. This course introduces the methods, logic and history of archaeology through an examination of several ancient civilizations, as understood through their architecture and artifacts. Subjects covered for Middle America include the Aztec, Teotihuacan, Maya, and Olmec; for South America, the Inca, Moche, Nasca, and Chavin; and for North America the Hohokam Chaco, and Casas Grandes cultures of the Southwest and the Mississippian mound builders in the eastern US. (HU, SB, G, H)  
COURSE FORMAT:  
There are no prerequisites. The course is intended for majors and non-major alike and is not redundant with ASB222. Lectures, slides, videos, three exams and occasional very brief assignments.  
INSTRUCTOR'S INTERESTS AND BACKGROUND:  
Ph.D., University of Illinois, Urbana-Champaign. He is an archaeologist who has directed excavations at Aztec sites in central Mexico, focusing on issues of urbanization, imperialism, and household-level activities and conditions. He has published six books and numerous articles on the Aztecs and other Mesoamerican cultures.

ASB 240 Introduction to Southeast Asia  
Staff  
MW 1:40 - 2:55 p.m.  
TBA  
# 73629  
COURSE CONTENT:  
This interdisciplinary course introduced students to the peoples, cultures, and history of Southeast Asia as well as the political and economic systems and its religious traditions. Societies to be addressed are those today subsumed within the nation states and territories of Vietnam, Laos, Cambodia, Thailand, Burma (Myanmar), Malaysia, Singapore, Brunei, Indonesia, East Timor, and the Philippines. (HU, SB, G, Bridge Course. Cross listed with HIS 240, POS 240, REL 240, GCU 240  
COURSE FORMAT:  
Lecture and discussion.  
INSTRUCTOR'S INTERESTS AND BACKGROUND:  
To be announced.

ASB 321 Indians of the Southwest  
Staff  
MW 3:40 - 4:55 p.m.  
CWDN 215  
# 71299  
COURSE CONTENT:  
A survey of the family life, economics, political organizations, and religions of Southwestern Indians from the time of contact to the present day. Special attention is paid to the development of the reservations and reservation life today. (SB, H, C, L)  
COURSE FORMAT:  
Lecture, discussion, research paper, exams.  
INSTRUCTOR'S INTERESTS AND BACKGROUND:  
To be announced.
ASB 326  Human Environmental Impact
Prof. Michael Barton
MW 2:40 - 3:55 p.m.
PSA 102
# 73657

COURSE CONTENT:
This course reviews archaeological evidence on how humans have affected their surroundings from early prehistoric times until 300 years before the present. A global perspective will be taken with examples drawn from diverse regions. The archaeological record will be reviewed for early evidence of animal extinctions, deforestation, and soil degradation. The special relationships that have developed based on the introduction of agriculture and the growth of early complex societies are also examined. Examples of successful human adaptations will be presented as well as evidence of negative impacts. (Bridge course, SB, H)

COURSE FORMAT:
Course format will be lectures illustrated with slides and class discussion of key points. There will be two exams and two short papers. There are no prerequisites for the course, but it is assumed that students have (or are willing to do the extra reading to acquire) a basic knowledge of the operation of archaeology and of world prehistory.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D., University of Arizona. Current fieldwork focuses on Paleolithic through Neolithic of the Mediterranean and Archaic of the American Southwest, with prior work in Spain, Bosnia, and Central and Southwestern U.S. Primary research interests include Quaternary socioecology and landscape dynamics, lithic technology, and applying quantitative methods and spatial technologies in archaeological research.

ASB 330  Principals of Archaeology
Asst. Prof. Rachel Scott
MWF 11:40 - 12:30 p.m.
ANTH 340
# 73658

COURSE CONTENT:
Analytic skills and interpretation of archaeological data are the focus of this course. Students learn how archaeologists use artifact form, context, and distribution to study the past. Dating, subsistence, settlement, and social organization are discussed in terms of a variety of questions that archaeologists seek to answer about the past. Group problem solving exercises illustrate the various topics. (SB)

ASB 335  Prehistory of the Southwest
Staff
MWF 10:40 - 11:30 a.m.
PSH 153
# 71300

COURSE CONTENT:
This course presents an anthropological overview of the prehistoric cultures of the American Southwest, and their connection, with discussion of some historic and modern Southwest Indian groups. The emphasis is on understanding current evidence and archaeological arguments concerning major processes and events in the prehistory of the Southwest, including: the adaptation of a culture to its environment, the adoption of agriculture, population aggregation and the development of social complexity, regional abandonment, the rise and fall of Chaco Canyon in New Mexico’s San Juan Basin, and the development and collapse of the Hohokam ballcourt and platform mound systems of central Arizona. (SB, C, H)

COURSE FORMAT:
Frequent slides and films accompany lectures and in-class discussion. Grades are based on a midterm and a noncumulative final, along with short written assignments due throughout the semester.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
To be announced.

ASB 337  Prehispanic Civilization of Middle America
Prof. Ben A. Nelson
TTh 1:40 - 2:55 p.m.
PEBE 211
# 73659

COURSE CONTENT:
This course introduces ancient Mesoamerica, home to hunters, farmers, merchants, seafarers, priests, metallurgists, astronomers, architects, politicians, and warriors, who lived in small camps, towns, and
huge cities and spoke a wide array of languages. The Olmec, Maya, Aztecs, and other groups provide a historical framework for examining the origins of agriculture and writing, the earliest cities and states, ethnicity, human sacrifice, warfare, and collapse. (H, HU, SB, G) (Prereq. ASB 222 or ASB 223)

Honors credit is available by arrangement with the instructor.

COURSE FORMAT: Lecture, readings, objective and essay tests, writing, and in-class exercises.

INSTRUCTOR’S INTERESTS AND BACKGROUND: Ph.D., Southern Illinois, Carbondale. He is interested in Mesoamerican archaeology, the archaeology of frontiers and social power, ethnoarchaeology, and ceramic analysis. His field work includes recent investigations in the state of Zacatecas, Mexico, as well as studies in the American Southwest.

ASB 353 Death and Dying in a Cross-Cultural Perspective
Fac. Assoc. Dianna Repp
LECTURE
TTh 10:40 - 11:55 a.m.
PSH 151
# 73660

AND REGISTER FOR ONE OF THE FOLLOWING DISCUSSION SECTIONS
T 1:40 - 2:30 p.m.
LL 108
# 73661

OR
Th 1:40 - 2:30 p.m.
LL 262
# 73662

OR
Th 2:40 - 3:30 p.m.
LL 262
# 73663

OR
T 2:40 - 3:30 p.m.
LSA L1-94
# 85376

COURSE CONTENT: This course introduces the student to some responses to dying and death found in other cultures, and the reasons for them. Both theoretical and compassionate approaches are taken. Topics considered in this course include developmental, temporal, ecological, and ethical aspects of death and dying, preparing to die, the dying process, suicide, funeral practices, and grief—each considered in nonwestern societies compared to the United States. It is hoped that by learning about the deathways of other cultures, the student will find a greater range of choices for interpreting the possible meanings of his or her own death, and a broader understanding and compassion for the lifeways and deathways of other cultures. (G, SB, HU, Bridge Course) Note: this course is 4 credits.

COURSE FORMAT: Lecture, films, discussions, three tests (essay), short personalized projects.

INSTRUCTOR’S INTERESTS AND BACKGROUND: Dianna Repp received her M.A. in anthropology from ASU in 1998. Her research interests include cross-cultural aspects of end-of-life issues, religious ideology, and art (as cultural expression).

ASB 361 Pleistocene Archaeology
Prof Geoffrey Clark
TTh 9:15 - 10:30 a.m.
PEBW 144
# 56178

COURSE CONTENT: Human biosocial evolution in the Pliocene and Pleistocene, emphasizing technological changes, and the relationship amongst biology, technology and the changing physical environments of Africa, Europe, and the Near East. (Prerequisite: ASM 104 or instructor approval) (HU, SB) Formerly Old World Prehistory I.

COURSE FORMAT: Lecture/discussion; three essay examinations including the final.

INSTRUCTOR’S INTERESTS AND BACKGROUND: Ph.D., University of Chicago. Dr. Clark’s interests are in archaeology, Old World prehistory, paleoecology, statistical application, fossil hominids, biocultural aspects of modern human origins; Spain, Western Europe, Near East

ASB 394 ST: City and Environment
Assoc. Prof. Christopher Boone
MW 9:40 - 10:55 a.m.
WHALL 260
# 73665

COURSE CONTENT: The course investigates major issues and themes on the urban environment. Topics of study include the urbanization process and urban sprawl, urban
ecology as an integrated way to understand the urban environment, sustainable development and urban sustainability, hinterlands and the ecological footprint, urban agriculture, waste generation and management, water and energy requirements, urban transportation and alternatives, environmental justice and hazards, the application of GIS to the study of urban environments, public health and healthy cities, urban greenspaces, and green governance, planning, and design.

COURSE FORMAT:
The course format is lecture. Evaluation is based on a midterm and final exam, an annotated bibliography, and research paper.

INSTRUCTOR'S INTERESTS AND BACKGROUND:
Ph.D., University of Toronto. Boone specializes in urban environmental research with an emphasis on environmental justice, public health, and GIS applications.

ASB 394 ST: Migration and Society
Assoc. Prof. Takeyuki Tsuda
MW 3:15 - 4:30 p.m.
CDS 13
#73666

COURSE CONTENT:
This course will examine the social and ethnic consequences of international migration from a comparative perspective with a focus on the United States. After providing background on the causes of international migration, its economic impact, and government immigration policies, the course will examine the impact of immigration on ethnic and gender relations and identities. We will also consider immigrant attachments to their homelands, the formation of transnational ethnic communities and diasporas across national borders, and majority public opinion toward immigrants. Then, we will study the long-term status of immigrants in the host society. This includes the permanent settlement of immigrants, the conferral of basic rights and citizenship, and the experiences of second generation immigrant minorities. The course focuses mainly on labor migrants, but refugees and asylum seekers will also be briefly covered. It will include case studies of immigration in the United States, Japan, and Europe.

COURSE FORMAT:
Lecture, discussion, 2 midterm papers, final paper

INSTRUCTOR'S INTERESTS AND BACKGROUND:
International migration, diasporas, ethnic minorities, ethnic and national identity, transnationalism and globalization, ethnic return migrants, the Japanese diaspora in the Americas, contemporary Japanese society, Brazil.

ASB 394 ST: Work, Consumption and Environment
Assoc. Prof. Sharon Harlan
MW 1:40 - 2:55 p.m.
AG 181
#73667

COURSE CONTENT:
This course examines the relationships among production practices, consumption patterns, and environmental impacts in societies that range from subsistence farming to those involved in global capitalist economies. Food production, mining of natural resources, manufacturing, and tourism are used to illustrate these relationships. The emergence of sustainable production methods, consumer movements, and the promises of "green" businesses to improve the environment are also investigated.

COURSE FORMAT:
Lecture, discussion, and projects.

INSTRUCTOR'S INTERESTS AND BACKGROUND:
Dr. Harlan's research is about interrelationships between the social, biophysical, and built environments in urban settings. Projects include the Phoenix Area Social Survey, which examines people’s values, attitudes, and behaviors toward community and environment, and interdisciplinary studies of neighborhoods in the Phoenix metropolitan area that examine inequalities in microclimates and other ecosystem services.

ASB 394 ST: Asian Pacific Americans and Immigration
TBA
MW 1:40 - 2:55 p.m.
CWDN 203
#87291

COURSE CONTENT:
This course explores the causes and consequences of Asian and Pacific Islander American Immigration to the United States and the incorporation of these immigrants and refugees into the American economy and society. The main theoretical debates and controversies in the field of immigration will be examined as well as everyday issues facing newcomers. Cross-listed with APA, GCU and ADB

COURSE CONTENT:
Lecture, readings, tests, paper.
INSTRUCTOR’S INTERESTS AND BACKGROUND:
To be announced.

ASB 394 ST: Technology and Society
Asst. Prof. Jameson Wetmore
MW 3:15 - 4:30 p.m.
SS 212
#73669

COURSE CONTENT:
Technology is a powerful force in the modern world. Dramatic examples of this power include such feats as sending people to the moon, erecting skyscrapers, damming enormous rivers, and destroying entire cities. But the most significant, though less often recognized, power of technology may be its permeation of so many aspects of our everyday lives. We use technology to house, clothe, feed, entertain, and transport ourselves. It is a crucial component of our work, play, education, communication, child rearing, travel, and even reproduction. This course explores the relationship between technology and society. It will consider the ways in which technology and society simultaneously influence and even constitute each other. It will draw on resources from a variety of disciplines including history, sociology, philosophy, and anthropology.

COURSE FORMAT:
The course will be taught in a combination lecture/discussion format.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Prof. Wetmore holds a doctorate in Science & Technology Studies from Cornell University. He has studied the interconnectedness of technology and society in a variety of areas including: the history and politics of transportation, the Amish use of technology; nanotechnology and religion, responsibility and technology, and engineering ethics. He works with the Center for Nanotechnology in Society and the Consortium for Science, Policy & Outcomes to develop new ways to be reflexive about technology and scientific research in order to improve our understanding of their effects and guide innovations toward socially desirable outcomes.

ASB 394 ST: Precolonial Africa
Asst. Prof. Desi Usman
TTh 10:40 - 11:55 a.m.
# 86901

COURSE CONTENT:
Cross-listed with African and African-American Studies Program. Please contact for course details.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Dr. Usman (Ph.D. ASU) is an Assistant Professor in the Department of African-American Studies. He is interested in the West African Iron Age, the emergence of social complexity, regional systems, settlement pattern and adaptation, Africa diaspora cultures, and the interface between archaeology, oral tradition, ethnohistory, and history.

ASB 394 ST: Rules, Games and Community Resources
Asst. Prof. Marco Janssen
TTh 3:40 - 4:55 p.m.
MUS E283
# 87292

COURSE DESCRIPTION:
Institutional rules structure the interactions between people that share common resources. Students will learn to identify the diversity of institutions that we use to govern our lives, and to apply a number of analytical tools to understand the implications of different types of institutional arrangements.

COURSE FORMAT:
Biweekly memos, group discussion, term paper.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Janssen is Assistant Professor in both the School of Human Evolution & Social Change and in the School of Computing and Informatics. His interests are integrated modeling of humans and their environment, institution analysis, human decision experiments, resilience and adaptive capacity of social-ecological systems.

ASB 394 ST: Aztec, Maya, Glyph
Asst. Prof. Miguel Aguilera
W 4:40 - 7:30 p.m.
COOR 191
#87406

COURSE CONTENT:
A survey course focused on studying the religious traditions of indigenous Mesoamerica as represented in the pre-European contact writing of ancient Middle American societies. Codical manuscripts of the pre-Hispanic and contact periods of Mesoamerica will be reviewed along with other pertinent artistic material culture. Emphasis shall be placed on the Méxica-Aztec, Maya, Zapotec, Mixtec, and Olmec.

The course has two goals: First, to introduce a working knowledge on the glyphic and pictographic Mesoamerican writing systems. Second, to explore the complex religious nature of pre-Columbian
rulership, calendrics, agriculture, mathematics, and astronomical-astrology.

COURSE FORMAT:
Special topics course.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
University of Albany-SUNY/ Department of Anthropology and is with the Department of Religious Studies. He specializes in Mesoamerican cosmologies and their historical traditions, pre-Columbian, colonial, and contemporary. His research involves ethnography, archaeology and iconography and focuses on Mayan religious specialists in the Yucatán peninsula.

ASB 466  Peoples and Cultures of Africa
Asst. Prof. A.A. Usman
TTH 1:40 - 2:55 pm
PSYCH 161
# 86899

COURSE CONTENT:
The course is a general survey of the people of Africa and their culture. The goal here is to provide a framework for understanding and analyzing the diverse cultures of Africa in the mid-twentieth century. It will employ an interdisciplinary approach, focusing, for example, on anthropology, history, linguistics, personal narratives, novels, and feature films in discussing African ethnic groups in their historical and cultural contexts. Topics that will be addressed include geography and resource-use in Africa, basic social, economic, and political organization, values and beliefs, religions, art, European contact, processes of change, and the impact and legacy of colonial rule. (Cross-listed with AFS 466, SOC 494).

COURSE FORMAT:
Lecture, discussion, homework, quizzes, exams.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D., University of Michigan. Focuses on the linguistics and literatures of Southeast Asia, with a particular emphasis on the Thai and Indonesian languages. His research has involved the analysis and interpretation of ethnopoetics and ethnoaesthetics. Current topics of his research include: the translation of Southeast Asian literatures, the uses of parallelism in literary discourse, and the compiling and editing of data from Tai languages and dialects.

ASB 489 Doing Research in Anthropology: Woodland Indian Religions
Prof. Christopher Carr
TTh 3:15 - 4:30 p.m.
ECG 305
# 85471

COURSE CONTENT:
The cultural and spiritual traditions of native people in the Woodlands of eastern North America, both today and in the deep past, are explored through the Woodland Indian ways of being, knowing, valuing, and feeling are understood through examining native ideas and practices about such topics as the creation of the cosmos, souls and the afterlife, humanness and personhood, power and spirits, sacred objects and places, myths and sacred formulas, ceremonies and medicine, heroes and heroines, visions and prophecies, and art and architecture. Learning seminar skills, critical thinking, sensitivity to other cultures, and
how to do research with primary archaeological and ethnohistorical data are central to the course. For Senior Anthropology majors and Senior Honors students in Anthropology or related fields, only.

**COURSE CONTENT:**
Weekly readings, seminar discussions, literature survey, and a research paper.

**INSTRUCTOR’S INTERESTS AND BACKGROUND:**
Ph.D., University of Michigan. Archaeology; method and theory; analysis of mortuary practices and remains, art and the social and religious interpretation of them; Eastern U.S. prehistory.

**ASB 492** Honors Directed Studies
Individual Faculty  
F 7:40 - 8:30 a.m.  
ANTH 233  
Suppressed #  
Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.

**ASB 493** Honors Thesis
Individual Faculty  
F 7:40 - 8:30 a.m.  
ANTH 233  
Suppressed #  
Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.

**ASB 494** ST: Community of Undergraduate Research Scholars
Prof. Margaret Nelson  
T 3 - 6 p.m.  
IRISH 228  
Suppressed #  

**COURSE CONTENT:**
This special omnibus course is a continuation of the same title from Spring 2007. One credit.

**COURSE FORMAT:**
By arrangements with the instructor.

**INSTRUCTOR’S INTERESTS AND BACKGROUND:**
Ph.D., University of California at Santa Barbara. Prof. Nelson conducts research on the organization of prehistoric land use and technology. Her current field program is in the eastern Mimbres region, southwestern New Mexico.

**ASB 494** ST: Society and Environment
Prof. Bob Bolin  
TTh 9:15 - 10:30 am  
CWDN 203  
# 73686  

**COURSE DESCRIPTION:**
This course presents an overview of major social science approaches to understanding socio-environmental conditions and change. Our focus includes both past and present environmental transformations and the ways to understand those changes. A key element of the class is on understanding current environmental issues using political ecology as an analytic approach.

**COURSE FORMAT:**
Lecture and discussion.

**INSTRUCTOR’S INTERESTS AND BACKGROUND:**
Ph.D. 1976, University of Colorado, Boulder. Political ecology, environmental sociology, urban geography, social theory, social movements, environmental hazards, environmental justice.

**ASB 494** ST: Archaeometry I/II: Archaeomaterials and Technology
Fac. Res. Assoc. Hamdallah Bearat  
TTh 5 - 6:15 p.m.  
ANTH 265  
AND W 4 - 7 p.m., GWC B8  
#73688  

**COURSE CONTENT:**
This is an upper-level undergraduate class (3 credits) supported by a 1-credit laboratory class.
Archaeometry II). Their combination provides direct exposure to some of the basic scientific methods commonly used to study archaeological & artistic materials (artifacts) and the different implications these studies can have in archaeology and art history. It thus offers the students some basic theoretical background as well as practical experience in the examination, sampling, analysis as well as interpretation and reporting of analytical data. The lecture part will survey various areas of archaeometry (or archaeological science): artifact studies, conservation science, physical dating methods. Other areas such as the study of man and his environment, geophysical prospection (or remote sensing), and mathematical methods will not be covered in this course. Therefore, particular focus will be given to artifact studies and, to a lesser extent, to conservation science & dating methods. Topics typically covered include metals, ceramics, glasses & glazes, inorganic binders (lime, gypsum, etc), pigments & paintings, stones (tool, monumental, and gem), and biomaterials (organic residues, binders, natural polymers).

COURSE FORMAT:
This course is intended for students majoring in anthropology, physical sciences and engineering, or art who have special interest in the analytical study of archaeological and artistic materials. People working in contract archaeology and museum will also be encouraged to take this class.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D., Caen University, France and Ph.D. Arizona State University. Dr. Bearat is a Faculty Research Associate at the LeRoy Eyring Center for Solid State Science/ School of Materials and Affiliate Professor of Anthropology in the School of Human Evolution & Social Change. He is currently involved in several multidisciplinary archaeology research projects in Egypt, France, Hungary, Italy, Jordan, Palestine, South Africa, Spain, and Switzerland. Bearat has research interest falling into two major areas: Archaeometry/conservation science and mineral sequestration of CO2 as well as some minor research areas such as applied mineralogy; ceramic science; desalination technologies, and nano-materials and structures.

ASB 494 ST: Aztecs and Incas
Assoc. Prof. Emily Umberger
TTh 9:15 - 10:30 a.m.
CDS 15
# 86988

COURSE CONTENT:
The first half covers Aztecs productions before the Spanish conquest--monumental sculptures and architecture as well as smaller objects of jade, ceramic, and --and the objects produced for or depicting their Nahua descendants. During the 16th century these colonial objects include native productions in featherwork and manuscripts like Sahagun's Florentine Codex. In later centuries these are mostly oil paintings, like Casta paintings, portraits, devotional images, and depictions of native life. The second half of the course covers the Inca of South America, first their great architectural monuments, textiles, and metalwork before the arrival of the Spanish, and then the colonial productions made for or depicting their Quechua descendants. These include drinking vessels painted with narrative scenes and Guama Poma's illustrated book of native life, as well as oil paintings of natives.

COURSE FORMAT:
The course is a lecture course for both upper-level undergraduates and graduate students in anthropology or art history. Both Undergraduates and graduate students attend lectures and take two tests and two quizzes. Undergraduates will write two 6-page papers on an assigned topic.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D., Columbia University. Aztec history, politics, major monuments and empires. Mesoamerican Art history, Mexican colonial art history.

ASB 494 ST: Amazonian Culture
Assoc. Prof. Tod Swanson
TTh 1:40 - 2:55 p.m.
EGC A371
# 87407

COURSE CONTENT:
Cross-listed with the Department of Religion Studies. Contact that unit for information.

COURSE FORMAT:
Special topics, lecture.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Swanson is an Associate Professor of Religious Studies who works on Quichua religious history in both Andean and Amazonian regions of Ecuador. He also teaches courses in Quichua language.
ASB 494 ST: Technology and Entertainment
Assoc. Prof. Paul Privateer
M 2:40 - 5:55 p.m.
BA 341
# 87977

COURSE CONTENT:
The course concentrates specifically on how an historical study of comparative entertainment technologies (pre-and post-digital eras) yields a more critical understanding of how technological evolution guides the creation and content of entertainment media. For example, a comparative analysis of the differences between an Arriflex 16 mm camera and SGI supercomputers (Altix 4700), SI Prism Visual Systems, or Open GL software reveals how various entertainment trends were once constructed and have evolved in the commercial marketplace. This course will also explore how significant changes in technology effects traditional elements of film-making, those like narratives, editing, script-writing, intellectual property rights, characterization, settings, and authorship.

COURSE FORMAT:
Special topics, lecture.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Associate Professor, Consortium for Science Policy and Outcomes and Film and Media Studies. Poststructural analysis of science, technology and culture; new media studies; science of entertainment and technology and evolutionary psychology and anthropology.

ASB 497 HC: Doing Research in Anthropology: Woodland Indian Religions
Prof. Christopher Carr
TTh 3:15 - 4:30 p.m.
ECG 305
# 85488

COURSE CONTENT:
See course description for ASB 489. Honors Senior Majors in Anthropology or related field only.

ASB 498 PS: The Maya
Assoc. Prof. Emily Umberger
Th 1:40 - 4:30 p.m.
ART 246
# 86981

COURSE CONTENT:
Seminar focusing on readings on different topics of the Classic Maya (AD 300-900), with emphasis on artworks at different ancient sites--sculptures, painting, objects of jade, bone, shell, etc.--their techniques and imagery. Also cross-listed with ARS 498 and ARS 591.

COURSE FORMAT:
This is seminar course for upper-level undergraduates and graduate students in both art history and anthropology (and with introductory knowledge of art history or archaeology). Class requirements are weekly attendance for discussion of reading assignments, plus short writing assignments related to the readings. All students will research a semester project, resulting in a 30-minute class presentation and a 18-20 page research paper for graduate students and a 30-minute class presentation and 12 page research paper for undergraduates.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D., Columbia University. Aztec history, politics, major monuments and empires. Mesoamerican Art history, Mexican colonial art history.

ASB 499 Individualized Instruction
Individual Faculty
M 7:40 - 8:30 am
ANTH 233
Suppressed #

Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.

COURSES NUMBERED 500 AND HIGHER ARE FOR GRADUATE STUDENTS ONLY. Undergraduates must obtain the professor’s approval and apply to take these courses.

ASB 500 RM: Ethnographic Research Methods
Prof. Elizabeth Brandt
TTh 1:40 - 2:55 p.m.
EC G305
# 73692

COURSE CONTENT:
Methods of data collection, coding and analysis for fieldwork in cultural anthropology. Techniques will include direct/participant observation, structured and unstructured interviewing, field note-taking and management, surveys and related qualitative data gathering approaches, and their use in the development of quantitative instruments.
COURSE FORMAT:
Lecture/discussion, assigned readings; practical exercises.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D. Southern Methodist. Brandt has a long-term interest in the issues of language and power as they relate to different levels of sociocultural complexity. This is expressed in her work on Pueblo societies and various problems in the areas of language, culture, and cognition. A sociolinguist who has worked on social variation in Southwest Indian languages and on issues of language maintenance and renewal, her research has been primarily in collaborative projects with Indian communities, tribes, and schools, and multiethnic institutions. She also has a strong interest in education and has studied language and literacy development in rural, urban, and Navajo populations.

ASB 531 Anthropology of Development
Prof. James F. Eder
T 1:40 - 4:30 p.m.
PEBE 117
#85489
COURSE CONTENT:
The nature of development, as understood by anthropologists and with particular attention to Southeast Asia. The first part of the course concerns the principal theoretical orientations that social scientists employ to study development; the second part, the human consequences of development (covering such topics as resettlement, migration, and the impact of development on women); and the third part, the nature of “development anthropology” as seen by both its practitioners and its critics.

COURSE FORMAT:
Seminar. Grading will be based on two papers (one short, one longer) and on class participation.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D. UC Santa Barbara 1974. Eder once taught high school biology and adult literacy in the Philippines, where he has since spent six years conducting anthropological fieldwork on Palawan Island. His research interests center the consequences of development and change for indigenous and other local residents. His current work concerns migration, livelihood, and coastal resource management in Philippine fishing communities.

ASB 540 Scholarly Inquiry in Anthropology
Prof. Katherine Spielmann
TTh 9:15 - 10:30 am
BYAC 260
#73694
OR
Prof. John Chance
TTh 9:15 - 10:30 am
BYAC 260
#73696
OR
Asst. Prof. Mark Spencer
TTh 9:15 - 10:30 a.m.
BUAC 260
#73695
COURSE CONTENT:
Basic issues and concepts in Anthropology.
COURSE FORMAT:
Graduate course.

INSTRUCTORS’ INTERESTS AND BACKGROUND:
Chance—Ph.D., University of Illinois. Social and cultural anthropology, ethnohistory, political economy, social inequality, Mesoamerica. Fieldwork in the Oaxaca and Puebla regions of southern Mexico. Spielmann—Ph.D., University of Michigan. Dr. Spielmann’s research focuses on economic complexity in small-scale societies, including interdependence between hunter-gatherer and horticultural societies, craft specialization and exchange. She also conducts interdisciplinary research on the long-term ecological impacts of agricultural production. Area of expertise: North America. Spencer-- Ph.D., SUNY Stony Brook. Physical Anthropology, Comparative Primate Anatomy, Biomechanics, Paleoanthropology.

ASB 544 Settlement Patterns
Prof. Barbara Stark
W 1:40 - 4:30 p.m.
EC G305
#85490
COURSE CONTENT:
History of settlement pattern studies, survey strengths and limitations, settlement hierarchies, regional social and economic models, analytic approaches, urbanism.
COURSE FORMAT:
Lectures, discussions, readings.
INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D., Yale University. Dr. Stark specializes in
Mesoamerican prehistory, particularly in the
developmental trajectories of complex societies.
Topics of particular interest are settlement
patterns, economy, ceramics, and coastal
adaptations. Her field projects have been in Mexico
and Guatemala in the tropical lowlands.

ASB 571 Museum Principles
Assoc. Prof. Peter Welsh
M 1:40 - 4:30 p.m.
SS 208
# 88117
COURSE CONTENT:
Exploration of the origins, history, diversity, and
current status of museums; critical examination
of the roles of collection, preservation, exhibition,
education, and research within museums.
COURSE FORMAT:
Lectures, seminar-style discussions concerning
assigned readings, illustrated slide talks, field trips,
annotated bibliography, research paper, and final
exam.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D., University of Pennsylvania. Dr. Welsh is
director of the Deer Valley Rock Art Center,
and is program coordinator for the program in
museum anthropology. Sociocultural anthropology,
ethnohistory, museology; Native Americans; Great
Plains and Southwest.

ASB 580 Practicum
Individual Faculty
Meeting time to be arranged
Suppressed #
Students must obtain the line number from the
SHESC office (ANTH 233) and arrange a meeting
time with the individual professor.

ASB 584 INT: Museum Studies
Assoc. Prof. Peter Welsh
M 1:40 - 2:30
ANTH 233
Suppressed #
Students must obtain the line number and arrange a
meeting time with the professor.

ASB 590 Reading and Conference
Individual Faculty
Meeting time to be arranged
Suppressed #
Students must obtain the line number from the
SHESC office (ANTH 233) and arrange a meeting
time with the individual professor.

ASB 591 S: Early Hominid Sociality
Prof. Geoffrey Clark
T 1:40 - 4:30 p.m.
CDS 321
# 73706
COURSE CONTENT:
This course draws on the literature of primate
behavioral ecology and combines it with a cladistics
approach to develop plausible models for aspects of
early hominid social organization. The basic premise
is that the gap between apes and humans is very
narrow indeed, and that if the great apes (chimps,
bonobos, gorillas, orangutans) are like us, it follows
that we are like them - that we conserve in our
behaviors much evidence of our ancient, primordial
roots.

After a review of the basic approach, some
of the topics to be considered are local group
size and composition, diet and foraging ranges,
mating systems, dispersal patterns, conflict and
cooperation, kin relations, communication and
cognitive capacities, and the social context of
learning. The emphasis will be on how natural and
sexual selection narrow the range of plausible
models for reconstructing aspects of early hominid
sociality.

COURSE FORMAT:
The course will have a seminar format. Students
will be responsible for weekly readings, for the
preparation of short précis, and for the direction,
on a rotating basis, of weekly discussion sessions.
Grades will be assigned primarily on the basis of a
term paper, although some allowance will be made
for participation in class discussions.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D., University of Chicago. Dr. Clark’s interests
are in archaeology, Old World prehistory,
paleoecology, statistical application, fossil hominids,
biocultural aspects of modern human origins; Spain,
Western Europe, Near East
ASB 591 S: Migration and Society
Asst. Prof. Takeyuki Tsuda
MW 3:15 - 4:30 p.m.
CDE 13
# 73707
COURSE CONTENT:
See ASB 394 of the same title. This section is for graduate students.
COURSE FORMAT:
This is primarily an undergraduate lecture course. Graduate students will be expected to attend the lectures and to complete all undergraduate reading assignments, to meet regularly with the instructor at a mutually convenient time to discuss additional assigned readings, and to prepare and submit an appropriate research paper.

ASB 591 S: Professionalism
Prof. Michelle Hegmon
W 9:40 - 10:30.m.
LL 245
#73709
COURSE CONTENT:
Professional issues and performance, including career tracks, vita/resume-writing, poster and paper styles, networking, grants, interviewing for jobs
COURSE FORMAT:
Seminar, with some presentations/lecture. Variable credit. For one credit, students simply attend class (and do occasional preparatory reading). For three credits, students arrange with instructor to do a more extensive project.
INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D., University of Michigan. Dr. Hegmon’s research focuses on the archaeology of the social realm and material culture, in the U.S. Southwest. She has focused her research on the Mesa Verde and Mimbres regions, and she is currently involved in interdisciplinary research investigating socio-ecological processes across a number of Southwest cases.

ASB 591 S: Computer Simulation in the Social Sciences
Asst. Prof. Marcus Janssen
TTh 1:40 - 2:55 p.m.
CPCOM 237
# 73710
COURSE CONTENT:
Introduction to the use of computer simulation for the study of social phenomena like cooperation, diffusion and foraging. Students will learn the basics of agent-based models, and how this technique is used to study social systems in ancient and modern times. Students will work on projects to apply the techniques to concrete research questions.
COURSE FORMAT:
Lecture, discussion, computer lab, student, group research project
INSTRUCTOR’S INTERESTS AND BACKGROUND:
Janssen is Assistant Professor in the School of Human Evolution and Social Change, and in the School of Computing and Informatics. Integrated modeling of humans and their environment, institutional analysis, human decision experiments, resilience and adaptive capacity of social-ecological systems.

ASB 591 S: Health: Social and Biocultural Theory
Prof. Alex Brewis
and Prof. Susan Mattson
W 1:40 - 4:30 p.m.
SS 208
#73711
COURSE CONTENT:
Comparative and critical approaches to the complexities of health, drawn from Anthropology and related fields, and focused on theories that address how social and cultural factors shape human health. Cross-listed with Nursing 591 #88214.
COURSE FORMAT:
Graduate Seminar.
INSTRUCTORS’ INTERESTS AND BACKGROUND:
Brewis: Dr. Brewis has a Ph.D. in Biological and Medical Anthropology from the University of Arizona. Her research explores the intersection of culture, ecology, and biology, particularly how it affects children’s and women’s health. She has conducted field research in the Pacific islands, Mexico, New Zealand, and the US. www.public.asu.edu/~abrewis.
Mattson: PhD. Claremont Graduate University. Professor in the College of Nursing and Healthcare Innovation. Research interests in women’s healthcare issues, cultural diversity, cultural norms influencing violence against women.

**ASB 591 S: Society and Environment**
Prof. Bob Bolin
TTh 9:15 - 10:30 a.m.
CWDN 203
#73712

COURSE CONTENT:
See ASB 494 of the same title. This section is for graduate students.

COURSE FORMAT:
This is a course designed for advanced undergraduates and graduate students. Graduate students will attend an additional one hour weekly meeting TBA. Graduate students will also present lectures and lead discussions as part of their requirements. They will submit an appropriate semester research paper in addition to completing 494 assignments.

**ASB 591 S: City and Environment**
Asst. Prof. Christopher Boone
MW 9:40 - 10:55 a.m.
WHall 260
#73717

COURSE CONTENT:
See ASB 394 of the same title. This section is for graduate students.

COURSE FORMAT:
This is primarily an undergraduate lecture course. Graduate students will be expected to attend the lectures and to complete all undergraduate reading assignments, to meet regularly with the instructor at a mutually convenient time to discuss additional assigned readings, and to prepare and submit an appropriate research paper.

**ASB 591 S: Work, Consumption and Environment**
Assoc. Prof. Sharon Harlan
MW 1:40 - 2:55 p.m.
AG 181
#73720

COURSE CONTENT:
See ASB 394 of the same title. This section is for graduate students.

COURSE FORMAT:
Graduate and undergraduate students will attend classes together and complete all undergraduate reading assignments. There will be additional reading for graduate students and additional meetings with instructors at mutually agreeable times. Some course projects may be done in small groups and graduate students can expect to adapt a research paper to their own interests.

**ASB 591 S: The Maya**
Assoc. Prof. Emily Umberger
Th 1:40 - 4:30 p.m.
ART 246
# 86983

COURSE CONTENT:
See ASB 498 of the same title. Also cross-listed with ARS 498 and ARS 591.

COURSE FORMAT:
This is seminar course for upper-level undergraduates and graduate students in both art history and anthropology (and with introductory knowledge of art history or archaeology). Class requirements are weekly attendance for discussion of reading assignments, plus short writing assignments related to the readings. All students will research a semester project, resulting in a 30-minute class presentation and a 18-20 page research paper for graduate students and a 30-minute class presentation and 12 page research paper for undergraduates. Graduate students may be required to do additional readings and meet periodically (at 2 to 3 week intervals) with the professor and other graduate students.

**ASB 591 S: Near Eastern Complex Societies**
Prof. Steven Falconer
TTh 1:40 - 2:55 p.m.
MC 206
#87974

COURSE CONTENT:
Selected topics pertinent to the development of social complexity in the Near East during late prehistory and early history. Geographic concentration on Mesopotamia, the Levant and immediately surrounding regions. Discussions consider early agriculture, environmental impacts, the rise of cities and state bureaucracies, processes of social collapse.
COURSE FORMAT:
Graduate seminar. Students expected to help formulate discussion topics, lead and participate in discussions, critique readings. One take-home midterm exam, one term paper.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D., University of Arizona. Early civilizations of the Near East and Mediterranean Basin. Analysis of pottery technology and exchange. Settlement patterns, especially pre-industrial urbanism and ruralism. Has directed research on Bronze Age villages on Cyprus and in the Jordan Valley, Jordan.

ASB 591 S: Principles of Sustainability
Prof. Charles Redman
and faculty from other disciplines
TTh 10:40 - 11:55 a.m.
COOR L1-84
# 88163

COURSE CONTENT:
Examines how different disciplines view and contribute to confronting the challenge of sustainability. Using case studies, faculty and students from engineering, architecture, business, social sciences, and natural sciences will exchange ideas on the major challenges faced in forming a sustainable future. Discussions will not only address theory, research, and practices related to sustainability, but will also emphasize ethical dilemmas at the local, national, and global levels. Cross-listed with SOS 510.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Charles Redman received his BA from Harvard University, and his MA and PhD in Anthropology from the University of Chicago. He taught at New York University and at SUNY-Binghamton before coming to ASU in 1983. Since then, he served nine years as Chair of the Department of Anthropology, seven years as Director of the Center for Environmental Studies and, in 2004, was chosen to be the Julie Ann Wrigley Director of the newly formed Global Institute of Sustainability.

Redman has directed archaeological field projects in the Near East, North Africa, and Arizona. He has served as Principal Investigator or Co-Principal Investigator on 50 research grants from federal, state and private agencies totaling over $38 million dollars. Eight years ago he began co-directing the Central Arizona-Phoenix Long-Term Ecological Research project, the first established by National Science Foundation in an urban locale. He also co-directs the expansion of this urban ecological research to include an innovative interdisciplinary PhD program (an IGERT) sponsored by the National Science Foundation and a Biocomplexity in the Environment grant on Agrarian Landscapes in Transition. His latest large-scale project is the Decision Center for a Desert City, which he co-directs.

Redman is also a founding member of the Southwest Center for Education and the Natural Environment, is currently the vice president of the state chapter of The Nature Conservancy. He has served as a member of several state and national councils, including chair of the Arizona Archaeology Advisory Commission and the Arizona Advisory Council on Environmental Education; subcommittee chair of the Governor’s Groundwater Management Commissions, and member of the Science Advisory Committees of Biosphere 2 and The Wenner-Gren Foundation. Redman also serves as member of the US National Committee on the Scientific Committee on Problems of the Environment and co-chairs the National Academy of Science, Roundtable on Science and Technology for Sustainability Task Force on Rapid Urbanization.

ASB 592 Research
Individual Instructors
Meetings to be arranged
Suppressed #

Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.

ASB 595 Continuing Registration
Prof. S. Van der Leeuw
F 7:40 - 8:30 am
ANTH 233
Suppressed #
ASB 598  PS: Aztecs and Incas
Assoc. Prof. Emily Umberger
TTh 9:15 - 10:30 a.m.
CDS 15
# 86991
COURSE CONTENT:
Please see course description for ASB 494 of the same title. This section is for graduate students. Cross-listed with ARS 494 and ARS 598.

COURSE FORMAT:
The course is a lecture course for both upper-level undergraduates and graduate students in anthropology or art history. Both Undergraduates and graduate students attend lectures and take two tests and two quizzes. Graduate students will meet periodically as a group with the professor to discuss readings (at intervals of two to three weeks) and will write one 15-20 page paper on a topic devised in consultation with the professor.

ASB 599  Thesis
Individual Instructors
Meetings to be arranged
Suppressed #
Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.

ASB 695  Continuing Registration
Prof. S. Van der Leeuw
To be arranged
Suppressed #
Students must obtain the line number from the SHESC office (ANTH 233).

ASB 790  Reading and Conference
Individual Instructors
Meetings to be arranged
Suppressed #
Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.

ASB 792  Research
Individual Instructors
Meetings to be arranged
Suppressed #
Students must obtain the line number from the Anthropology office and arrange a meeting time with the individual professor.

ASB 795  Continuing Registration
Prof. S. Van der Leeuw
To be arranged
Suppressed #
Students must obtain the line number from the SHESC office (ANTH 233).

ASB 799  Dissertation
Individual Instructors
Meetings to be arranged
Suppressed #
Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.
ASM 104  Bones, Stones and Human Evolution  
Prof. Leanne Nash  
LECTURE  
MWF 10:40 - 11:30 am  
MUR 201  
# 73788  
AND REGISTER FOR ONE OF THE FOLLOWING LAB SECTIONS:  
W 8:40 - 10:30 A.M., SS 104  
# 73789  
OR  
F 8:40 - 10:30 A.M., SS 104  
# 73790  
OR  
Th 10:40 - 12:30 P.M., SS 104  
# 73791  
OR  
Th 8:40 - 10:30 a.m., SS 104  
# 73792  
OR  
T 8:40 - 10:30 a.m., SS 104  
# 73793  
OR  
W 3:40 - 5:30 p.m., SS 104  
# 73794  
OR  
T 12:40 - 2:30 p.m., SS 104  
# 73795  
OR  
F 12:40 - 2:30 p.m., SS 104  
# 73796  
OR  
T 2:40 - 4:30 p.m., SS 104  
# 73797  
OR  
Th 2:40 - 4:30 p.m., SS 104  
# 73798  
OR  
W 12:40 - 2:30 p.m., SS 104  
# 73799  
OR  
Th 12:40 - 2:30, SS 104  
# 73800  
OR  
T 4:40 - 6:30 p.m., SS 104  
# 73801  
OR  
F 2:40 - 4:30 p.m., SS 104  
# 73802  
OR  
T 10:40 - 12:30 p.m., SS 104  
# 85658  
COURSE CONTENT:  
This introduction to physical anthropology explores the biological basis of human origins and variation. Through an understanding of genetics and mechanisms of evolution, students are provided with a background to examine primate adaptations, our hominid ancestors, and modern human variation. The bones, teeth, and tools used by living primates and ancient hominids are keys to unlocking their lifeways. (SB, SG)  
COURSE FORMAT:  
Lecture and labs are required components of this course. The lectures introduce key concepts and incorporate slides and videos throughout the semester. Lab exercises provide hands-on application of concepts covered in lecture and reading assignments. Exercises include demonstration of genetic mechanisms and handling of fossil casts and skeletal material.  
INSTRUCTOR'S INTERESTS AND BACKGROUND:  
Ph.D., University of California, Berkeley. Nonhuman primate behavior and ecology, socialization, lab studies of chimpanzees and galagos (bushbabies), field work in East and South Africa and Madagascar on baboon behavior and on behavior and ecology of nocturnal prosimians.  

ASM 341  Human Osteology Lab  
Asst. Prof. Gary Schwartz  
TTh 9:15 - 10:30 am  
ANTH 341  
AND  
Th 2 - 5 p.m. ANTH 341  
# 73803  
COURSE CONTENT:  
This lab-oriented course focuses on skeletal development and function, and the identification of bones and their anatomical landmarks. Students will also learn how information obtained from skeletal remains contributes to anthropological and paleontological research. Prerequisite: ASM 104 or permission of instructor. Note: This is a 4-credit course.  
COURSE FORMAT:  
Lectures, supplemented by demonstrations. A required lab section provides hands-on experience with skeletal material.

ASM 345  Disease and Human Evolution
Assoc. Prof. Anne Stone
and Asst. Prof. Brian Verrelli
TTh  10:40 - 11:55 a.m.
MANZ 001
COURSE CONTENT: This course examines the role played by disease in human existence, from the beginnings of humanity to the present. Students will define what a disease is, learn the difference between infectious and non-infectious diseases, and see how populations and disease organisms have evolved in tandem. Infectious diseases will include those carried by animal parasites (malaria, schistosomiasis), bacteria (such as bubonic plague, leprosy, tuberculosis, syphilis, lyme disease, typhus), viruses (smallpox, influenza, AIDS), prions, and fungi (coccidiomycosis). This course will also include a discussion of the epidemiological transition. (Pre-req.: none) (H, Bridge course)

COURSE FORMAT: Lectures, slides, special presentations, video, discussion

INSTRUCTORS' INTERESTS AND BACKGROUND:
Stone: Ph.D., Pennsylvania State University. Human and chimpanzee population genetics, evolution, disease genetics, ancient DNA, mortuary studies.

Verrelli: Ph.D., Stony Brook University. His research focuses on molecular population genetics and molecular evolution. Also interested in the roles of evolutionary forces such as genetic drift, population demography and natural selection.

ASM 348  Social Issues in Human Genetics
Prof. Robert Williams
W  6:40 - 9:30 p.m.
COOR 184
# 73807
COURSE CONTENT: The purpose of the course is to explore the social and moral implications of applied genetic technology. Amniocentesis, prenatal selection, and abortion play a central role in the curriculum. However, subjects such as in vitro fertilization (the so-called test tube babies), sperm banks and mechanical insemination, organ trans-plantation are also discussed. An emphasis is placed on specific problems which the student must analyze and discuss. (SB)

COURSE FORMAT: Lecture and discussion. Examinations: 2 midterms and a final, short one- and two-page essays.

INSTRUCTOR'S INTERESTS AND BACKGROUND:
Ph.D., University of Michigan. Dr. Williams is interested in human immunogenetics, evolutionary mechanics, and human biological variation.

ASM 394  ST: Fossil Primates
Adj. Prof. Lillian Spencer
TTH  12:15 - 1:30 p.m.
ANTH 341
# 73808
COURSE CONTENT: This course is an overview of the primate fossil record, from the Eocene through to Recent times. To be able to understand this overview, we must first cover evolution, systematics, primate anatomy, extant primate biology, and paleontological methods. These topics will be covered during the first half of the course, and the second half will consist of examining the primate fossil record. As in the first part of the course, there will be discussions of the adaptive diversity of various extinct radiations as well as outlines of the evolutionary relationships of each group. Hands-on examination of skeletal material, both modern and fossil, will be incorporated into the course whenever possible.

COURSE FORMAT: This course is a lecture format, with some lab material to be incorporated as well.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Dr. Spencer received her PhD from SUNY Stony Brook in 1995. Her main interests are paleoecology in hominin and primate evolution. She has also collaborated with Dr. Curtis Marean on zooarchaological projects, and with the Page Museum of the Rancho La Brea Tar Pits on paleontological projects.
ASM 450  Bioarchaeology  
Assoc. Prof. Brenda Baker  
MW 1:40 - 2:55 p.m.  
ANTH 341  
COURSE CONTENT:  
The intersection of physical anthropology and archaeology is explored in this course. A biocultural perspective emphasizes the physical and social contexts in which past peoples existed. Major areas contributing to bioarchaeology include osteology, paleo-pathology, paleodemography, mortuary analysis, paleodiet, and evidence of socio-economic organization. An overview of these areas and examples of how they contribute to bioarchaeological reconstruction of past lifeways is provided.  
COURSE FORMAT:  
This 3-credit survey course centers on lectures, slides, and examples from the instructor's research and fieldwork, class exercises, and discussion. Two take-home exercises require data analysis and write-up. A critical review of a book or related articles and a class presentation based on the written review are also required.  
INSTRUCTOR'S INTERESTS AND BACKGROUND:  
Ph.D. from University of Massachusetts, Amherst. Research interests in bioarchaeology, human osteology, and paleopathology. Fieldwork in the U.S., Egypt, Sudan, and Cyprus.

ASM 494 ST: Principles of Human Genetics  
Asst. Prof. Brian Verrelli  
TTh 1:40 - 2:55 p.m.  
CWDN 203  
COURSE CONTENT:  
This course will examine human molecular genetics from an evolutionary perspective. In particular, we will discuss basic principles of human genetics, methods of analysis, the current debates about the origin and history of humans, the Human Genome Project, genetic disease and ethical issues. (cross-listed with BIO 446).  
COURSE FORMAT:  
Lecture/discussion with Powerpoint presentations.  
INSTRUCTORS INTERESTS AND BACKGROUND:  
Dr. Verrelli is in the School of Life Sciences and in the Center for Evolutionary Functional Genomics in the Biodesign Institute. His research focuses on molecular population genetics and molecular evolution. He is interested in the roles that evolutionary forces such as genetic drift, population demography, and natural selection play in governing both genetic and phenotypic variation across taxa. In addressing evolutionary questions at the molecular level, his research has included several taxonomic groups within a hierarchy of genes and genomes, to individuals, populations, and species. Work is particularly focused on characterizing the distribution of genetic variation within and between human populations and how comparative analyses between us and our close relativee, the chimpanzee, can reveal patterns of recent and historical natural selection in both genomes to help us understand the origin of modern humans.
necessary mathematical concepts (only prerequisite is one course in differential calculus) and will emphasize developing in students a sense of the "art" of modelling. Cross-listed with BIO 424, BIO 591 and ASM 591.

**COURSE FORMAT:**
Lecture, discussion, and interactive lab with optional project (excellent for honors theses, or honors credit).

**INSTRUCTOR'S INTERESTS AND BACKGROUND:**
Mathematical BioEconomics, human environment interaction, modeling & simulation, ecology (human). His current research interests focus on robust management and robust institutional design for coupled social-ecological systems. Anderies studies a range of archaeological, historical, and present-day examples of social-ecological systems using formal mathematical modeling and analysis to develop an understanding of ecological, behavioral, social, and institutional factors that generate vulnerability and/or enhance resilience and robustness in social-ecological systems. Other areas of interest include economic growth, demographics, and the environment and mathematical modeling in community ecology.

**ASM 497 HC: Paleopathology**
Assoc. Prof. Brenda Baker
T 3 - 6 p.m.
ANTH 341
Suppressed #

**COURSE CONTENT:**
See course description for ASM 591 of the same title. This section is for honors students.

**ASM 497 HC: Social Issues in Human Genetics**
Prof. Robert Williams
W 6:40 - 9:30 p.m.
COOR 184
Suppressed #

**COURSE CONTENT:**
See course description for ASM 348. This section is for honors students. Four credits.

**ASM 499 Individualized Instruction**
Individual Instructors
Meetings to be arranged
Suppressed #

Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.

**COURSES NUMBERED 500 AND HIGHER ARE FOR GRADUATE STUDENTS ONLY.** Undergraduates must obtain the professor's approval and apply to take these courses.

**ASM 579 Proposal Writing**
Prof. Katherine Spielmann
TTh 12:15 - 1:30 p.m.
MC 206
# 88010

**COURSE CONTENT:**
This course is a practicum in proposal writing and reviewing for graduate students. The goal of the course is to produce a defensible dissertation proposal by the end of the semester, suitable for submission to NSF or other relevant funding organization. Each week, students will write a section of a grant proposal in the format of the National Science Foundation Dissertation Improvement Grant. Students will also critically and constructively review the other students' proposals. Each class will consist of lectures, student presentations, and discussions.

**COURSE FORMAT:**
A graduate student who takes this class should have already selected a dissertation topic. In addition, he or she should have taken or be preparing to take their doctoral exams, and/or written one field statement. Grades will be based on weekly assignments and class participation (25%), the final proposal turned in at the end of the course (50%), and reviews of other students' proposals (25%). Students are expected to be working closely with their committee chairs as they develop their proposals.

**INSTRUCTOR'S INTERESTS AND BACKGROUND:**
Ph.D., University of Michigan. Dr. Spielmann’s research focuses on economic complexity in small-scale societies, including interdependence between hunter-gatherer and horticultural societies, craft specialization and exchange. Area of expertise: North America.

**ASM 580 Practicum**
Individual Instructors
Meetings to be arranged
Suppressed #

Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.
ASM 584 Internship: CRM
Assoc. Prof. David Abbott
Meetings to be arranged
Suppressed #

COURSE CONTENT:
The student intern will receive an intensive, "real-world" research experience that includes one or more aspects of CRM work depending on each student's interests and skills (e.g., excavation, field survey, laboratory analysis, logistical planning, producing project reports).

COURSE FORMAT:
The student will work full time as a paid employee during the semester with a local CRM company. The company, student, and internship coordinator will jointly develop a scope of work for the student. At the end of the term, the student will prepare a written statement describing the scope of work, how his/her work during the term contributed to the goals of the CRM research project(s), and what the student learned.

INSTRUCTOR'S INTERESTS AND BACKGROUND:
Ph.D. Arizona State University. Archaeology, Hohokam prehistory, ceramics, quantitative methods, community organization.

ASM 590 Reading and Conference
Individual Instructors
Meetings to be arranged
Suppressed #

Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.

ASM 591 S: Principles of Human Genetics
Asst. Prof. Brian Verrelli
TTh 1:40 - 2:55 p.m.
CWDN 203
# 73822

COURSE CONTENT:
See description for ASM 494 of the same title. This section is for graduate students. (Cross-listed with BIO 446/591).

COURSE FORMAT:
This is primarily an undergraduate lecture course. Graduate students will be expected to attend the lectures and to complete all undergraduate reading assignments, to meet regularly with the instructor at a mutually convenient time to discuss additional assigned readings, and to prepare and submit an appropriate research paper.

ASM 591 S: Bioarchaeology of Identity
Asst. Prof. Kelly Knudson
and Asst. Prof. Chris Stojanowski
M 1:40 - 4:30 p.m.
PSA 106
# 73825

COURSE CONTENT:
This graduate seminar will explore the myriad ways in which bioarchaeological data can contribute to an understanding of identities in the archaeological record. Topics to be covered include the formation of identity on personal and population levels, as in ensoulment and ethogenesis, the representation of identity in the bioarchaeological record, and the repercussions of identity. As appropriate, bioarchaeological methodologies will be contextualized and discussed as they are applied to these research questions.

COURSE FORMAT:
Graduate seminar.

INSTRUCTORS' INTERESTS AND BACKGROUNDS:
Knudson—Ph.D., University of Wisconsin at Madison. Her research interests include archaeological migration and political integration through bioarchaeology and archaeological chemistry, as well as archaeological identity, Andean ritual behavior, and activity area analysis through soil chemistry. She works predominately in the South Central Andes (Peru, Bolivia, Chile) as well as Alaska.
Stojanowski—Ph.D., University of New Mexico. Skeletal biology, human microevolution.

ASM 591 S: Social Issues in Human Genetics
Prof. Robert Williams
W 6:40 - 9:30 p.m.
COOR 184
# 73829

COURSE CONTENT:
See description for ASM 348. This section is for graduate students.

COURSE FORMAT:
This is primarily an undergraduate lecture course. Graduate students will be expected to attend the lectures and to complete all undergraduate reading assignments, to meet regularly with the instructor at a mutually convenient time to discuss additional assigned readings, and to prepare and submit an appropriate research paper.
**ASM 591 S: Mathematical Models in Ecology**

Asst. Prof. J. Marty Anderies  
TTh 3:15 - 4:30 p.m.  
LL 43  
# 86898  
AND Register for Lab  
F 8:40 - 11:30 a.m., LSE 244  
# 86949  

**COURSE CONTENT:**  
See course description for ASM 494 of the same title. This section is for graduate students. Cross-listed with BIO 424, BIO 591 and ASM 591

**COURSE FORMAT:**  
This is primarily an undergraduate lecture course. Graduate students will be expected to attend the lectures and to complete all undergraduate reading assignments, to meet regularly with the instructor at a mutually convenient time to discuss additional assigned readings, and to prepare and submit an appropriate research paper.

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**ASM 592 Research**

Individual Instructors  
Meetings to be arranged  
Suppressed #

Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.

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**ASM 595 Continuing Registration**

Prof. S. Van der Leeuw  
To be arranged  
Suppressed #

Students must obtain the line number from the SHESC office (ANTH 233).

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**ASM 598 ST: Introduction to SAS Programming**

Prof. Robert Williams  
TTh 3:15 - 4:30 p.m.  
CPCOM 207  
# 73836  

**COURSE CONTENT:**  
The course is for graduate students who wish to learn SAS. Emphasized are the basics of data base management and SAS computer programming. Research students who need to establish a data base and analyze their data for M.A. thesis, Ph.D. dissertation, meeting paper, or publication will find this course particularly helpful. All learning and applications will be within the SAS programming environment on the University's network. When a student has successfully finished the course, he or she will be able to apply this knowledge to their own specific project, write their own programs, and use the extensive library of routines that is offered by the SAS system.

**Why Take this Course?**

A. Bring your own data. Help, to design the file format and to enter the data for SAS analysis, can be incorporated into the course as a project.

B. This course will serve as a prerequisite for an advanced course in SAS macro programming, with applications to resampling statistics.

C. Free yourself from "black box" software routines or having to rely on the programming help of friends. Design and execute your own programs on your own time.

D. Continue to prepare yourself for the world of work and research. Knowledge of computer programming and data base management in general, and the SAS language in particular, can give you an advantage when applying for a job.

**INSTRUCTOR'S INTERESTS AND BACKGROUND:**  
R.C. Williams has used the SAS language since 1985. He teaches the beginning and advanced courses in SAS programming at ASU and has been trained by the SAS Corporation in both elementary and advanced SAS macro methods.

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**ASM 599 Thesis**

Individual Instructors  
Meetings to be arranged  
Suppressed #

Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.

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**ASM 691 S: Paleopathology**

Assoc. Prof. Brenda Baker  
T 3 - 6 pm  
ANTH 341  

**COURSE CONTENT:**  
This graduate seminar explores the patterns of disease evident in the human skeleton. Disease recognition is placed within a paleoepidemiological framework in which differential diagnosis is emphasized. While skeletal manifestations of infectious disease form a major part of the course, other categories of disease covered include metabolic, degenerative, neoplastic, hematological and circulatory disorders, as well as skeletal
dysplasias, and congenital and developmental disturbances.

COURSE FORMAT:
Slide lectures, actual specimens where available, and student discussion of assigned readings. A final research report or project on an approved topic, and a conference-style presentation of results, are required.

INSTRUCTOR’S INTERESTS AND BACKGROUND:
Ph.D. from University of Massachusetts, Amherst. Research interests in bioarchaeology, human osteology, and paleopathology. Fieldwork in the U.S., Egypt, and Cyprus.

ASM 695 Continuing Registration
Prof. S. Van der Leeuw
To be arranged
Suppressed #
Students must obtain the line number from the SHESC office (ANTH 233).

ASM 790 Reading and Conference
Individual Instructors
Meetings to be arranged
Suppressed #
Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.

ASM 792 Research
Individual Instructors
Meetings to be arranged
Suppressed #
Students must obtain the line number from the SHESC office (ANTH 233) and arrange a meeting time with the individual professor.

ASM 792 Continuing Registration
Prof. S. Van der Leeuw
To be arranged
Suppressed #
Students must obtain the line number from the SHESC office (ANTH 233).