

ANIMAL SCIENCE ANS**College of Agriculture and Natural Resources****101. Animal Science**
Fall. 5(4-2)

Survey of the animal industries including history, economic geography, anatomy and physiology, nutrition and feed usage, and systems of commercial livestock and poultry production.

213. Animal Science Seminar
Fall. 1(2-0)

Animal science industries. Industry representatives will be utilized to discuss particular areas.

325. Principles of Animal Nutrition
Spring. 5(5-0) CEM 132; BCH 200 recommended.

Livestock feeds and their nutrients. Functions of and requirements for nutrients. Evaluation of feeds. Feeding practices. Formulation of rations for beef and dairy cattle, horses, poultry, sheep and swine.

361. Principles of Animal Breeding
(461.) Winter. 3(3-0) B S 211 or a course in Mendelian genetics.

Quantitative inheritance. Gene frequency. Statistical tools used in animal breeding. Effect of selection and mating systems on animal population.

433. Ruminant Nutrition
Winter. 4(3-2) ANS 325. Interdepartmental with and administered by Dairy Science.

Principles of ruminant nutrition and application to actual feeding practices in commercial dairy and beef operations. Rumen fermentation as related to feed utilization, growth, milk production and milk composition.

450. Toxicology of Food Producing Animals
Spring. 4(4-0) PSL 240, BCH 200. Interdepartmental with Dairy Science.

Fate and effects of toxic chemicals in food-producing animals: impact on animal production, residues in food products, safety assessment and control methods.

525. Animal Nutrition
Fall. 5(4-2) BCH 401.

Principles of nutrition. Nutrients and their metabolism. Nutritive requirements for maintenance, growth, reproduction, lactation and work. Nutrient sources and their use in preparing diets for domestic animals.

826. Animal Nutrition
Spring. 4(4-0) One course each: biochemistry, physiology; and approval of department.

Nutrition basic to animal feeding. Application of chemistry and physiology to nutrition. Nutrient requirements for normal body functions. Techniques involved in nutrition research; readings in current literature.

854. Design of Animal Experiments
Spring. 4(4-0) STT 423.

Choice, implementation and statistical analysis of experimental plans for research with animals. Designs for reduction of experimental error. Analysis of experiments with complex structure or unequal subclass numbers.

855. Analysis of Unbalanced Multifactor Data
Spring. 4(4-0) STT 423.

Applied analysis techniques of field or survey data with unbalanced subclass numbers in field of biological sciences: predictions utilizing several variables; estimation of effects of factors and their interactions.

965. Biometrical Genetics
Fall of odd-numbered years. 4(4-0) ANS 855 and one course in quantitative genetics.

Genetics models for quantitative traits: estimation of components of variance; correlation of relatives; Selection Index theory; multi-factor and multivariate responses in designed experiments.

ANTHROPOLOGY ANP**College of Human Medicine
College of Osteopathic Medicine
College of Social Science****100. The Origin of Man and Culture**
Fall, Winter, Spring, Summer. 4(3-1)

Introduction to physical anthropology; the position of man in the animal kingdom, the genetic mechanisms of evolution, human beginnings and the fossil record, racial evolution and racial types among modern man, the anticipation of culture among other animals and the development of human culture, and culture as an adaptive mechanism.

171. Introduction to Sociocultural Anthropology (S)
Fall, Winter, Spring, Summer. 4(3-1)

Comparison of ways of life among primitive, peasant and civilized peoples. Implications of these styles of life for understanding of human behavior in general and exotic cultures in particular.

IDC. Introduction to Latin America I
*For course description, see Interdisciplinary Courses.***221. Introduction to Social and Cultural Analysis**
Fall, Spring. 4(3-1) ANP 171.

Basic theoretical framework of socio-cultural analysis: structural functionalism, evolutionism, and cultural ecology.

250. Culture, Environment and Adaptation (S)
Fall. 4(3-1)

Culture as an adaptive process--as developed in the million years of human history and still influencing environmental quality, population control, and allocation of resources in primitive and modern societies.

IDC. Introduction to Contemporary China
*For course description, see Interdisciplinary Courses.***262. Status of Women in Culture and Society: A Comparative View**
Fall. 3(3-0)

Comparative analysis of the status of women emphasizing non-Western cultures and societies. Economic and domestic division of labor between the sexes as a factor underlying division of status, power and authority.

263. Origin of Civilization: Archaeology
Winter. 4(4-0)

The rise, development and spread of culture in the period before written history. Archaeological evidence is used to trace the evolution of culture as it has been reconstructed from the excavation of prehistoric sites in the Old and New World.

264. Great Discoveries in Archaeology
Winter. 4(4-0)

Great discoveries in archaeology that have captured the public's imagination and shaped the discipline, from Olduvai Gorge to King Tut's tomb.

265. Vanished Peoples and Lost Civilizations
Fall, Spring. 4(4-0)

Concepts of cultural evolution and origins of civilization as found in popular literature ranging from Atlantis to Chariots of the Gods.

266. War and Aggression
Fall, Spring. 3(3-0)

The question 'What makes friends and what makes enemies?' is examined from the standpoint of cultural anthropology. Violence-prone cultures and peaceful ones are compared for factors influencing human aggression.

275. The Anthropology of Asia
Fall. 4(4-0)

Several cultural complexes and culture types--from hunting and gathering through complex civilization--of East, Southeast, and South Asia. The cultures and nature of their development will be examined. Past and present significance of cultural stability and change will be seen in a comparative framework.

281. The Africans and Their Cultures
Spring. 4(4-0)

Racial and cultural problems confronting the African peoples.

285. Anthropological Perspectives on Global Interdependence
Spring. 4(2-2) ANP 171.

Interwoven nature of cultural traditions in the modern world. Consideration of how people of developing nations respond to the dominant cultural forces of industrialized nations.

IDC. Contemporary South Asia
*For course description, see Interdisciplinary Courses.***343. Introduction to Physical Anthropology**
Fall. 4(3-2)

Problems, data and techniques associated with the main topical areas of physical anthropology: human genetics, hominid evolution, primate behavior, human osteology and human diversity. Field trips may be required.

Descriptions – Anthropology

of

Courses

350. Peasant Society

Fall. 4(3-1) ANP 171.

Anthropological study of peasantry. Comparative examination of the rural societies and cultures of Asia, Europe, and Latin America.

356. Culture, Health and Illness

Spring. 4(3-1) ANP 171.

Anthropological study of health behavior. Comparative view of primitive, folk and scientific medical systems and their effect on the individual and the community in the illness situation.

380. Methods of Sociocultural Anthropology

Spring. 4(4-0) ANP 171, one upper division sociocultural ANP course, approval of department.

Field research and analysis methods and techniques in anthropology; development of research problems and questions; alternate models of validation; ethics of research and presentation of findings.

381. Anthropology and Education

Winter. 4(3-1) ANP 171 or other social science. For Education and Anthropology majors.

Maturation and socialization in various societies of Asia, Africa, and Latin American. These will be compared with educational institutions in the U.S. and Europe. It is expected to be a contribution to the broader cross-cultural investigation of the teaching/learning process.

388. The Anthropology of Social Movements

Winter. 4(2-2) ANP 171 or approval of department.

Analysis of how different cultures around the world organize and create (or impede) change on the basis of class, religion, race, ethnicity, language, and territory.

400H. Honors Work

Fall, Winter, Spring, Summer. 1 to 16 credits. May reenroll for a maximum of 20 credits. Approval of department.

406. Environmental History

Winter. 4(4-0) Juniors. Interdepartmental with and administered by the Department of History.

History of the impact of human societies on the natural environment. Effect of human induced environmental change on the history of various peoples. Global, thematic approach with emphasis on Europe and America since the 16th century.

407. Interactions of Culture and Nutrition

Fall. 3(3-0) Juniors; HNF 102 or ANP 171 or approval of instructor. Interdepartmental with and administered by Human Nutrition and Foods.

World and U.S. food behavior focusing on conflicts between behavior and nutritional needs at various stages of life cycle. Anthropological, psychological and social influences affecting food behavior are analyzed.

411. Studies in the Anthropology of Asia

Fall, Winter, Spring. 4(4-0) May reenroll for credit for Part II in an area and/or for another area. ANP 171; ANP 275 or approval of department.

Separate courses in Asian cultures: China; Japan; Southeast Asia; South Asia; Central Asia. A two-part course sequence is usually given. Part I: Ethnographic survey. Part II: Sub-areas, special problems and approaches.

415. Studies in the Anthropology of Africa

Winter, Spring. 4(4-0) May reenroll for credit for Part II in an area and/or for another area. ANP 171; ANP 281 or approval of department.

Separate courses on African cultures: West Africa; Central Africa; East Africa. A two-part course sequence is usually given. Part I: Ethnographic survey. Part II: Sub-areas, special problems and approaches.

419. Studies in the Anthropology of the New World

Fall, Winter, Spring. 4(4-0) May reenroll for credit for Part II in an area and/or for another area. ANP 171 or approval of department.

Separate courses on New World cultures: Arctic; North America; Middle America; South America. A two-part course sequence is usually given. Part I: Ethnographic survey. Part II: Sub-areas, special problems and approaches.

423. Studies in the Anthropology of the Near East

Winter, Spring. 4(4-0) May reenroll for credit for Part II in an area and/or for another area. ANP 171 or approval of department.

Separate courses on Near East cultures: North Africa and Southwest Asia. A two-part course sequence is usually given. Part I: Ethnographic survey. Part II: Sub-areas, special problems and approaches.

426. Humanistic Perspectives on Global Diversity and Interdependence

Fall. 4(4-0) Juniors or approval of department. Interdepartmental with and administered by the Department of History.

Anthropological and historical analysis of global diversity and interdependence since the 16th century.

427. Contemporary Issues In Global Interdependence and Change

Winter. 4(4-0) HST 426 or approval of department. Interdepartmental with and administered by the Department of History.

Interdependence of the modern world since 1945. Focus on such issues as the impact of the West on the non-western world, industrialization, modernization, population and natural resources.

428. Project in Global Studies

Spring. 4(4-0) HST 426 or HST 427 or approval of instructor. Interdepartmental with and administered by the Department of History.

Supervised project to test students' competence in applying the cultural and historical diversity/interdependence frameworks introduced in the prerequisite courses.

444. Human Diversity

Winter of even-numbered years. 3(3-0) ANP 100.

Origins and evolutionary meaning of human physical variability. Racial variation as an adaptive phenomenon. Roles of genetic and environmental influences in creating the phenotype.

445. Fossil Hominids

Winter of odd-numbered years. 3(3-0) ANP 100.

Fossil evidence and theory pertaining to human evolution during the last four million years.

446. Primatology

Spring. 3(3-0) ANP 100.

The order primates: evolution, taxonomy, biology, and behavior. Primate learning, cultural, sexual, maternal, and aggressive behavior; and social organization.

450. Area Courses in Prehistory

Fall, Winter. 4(4-0) May reenroll for a maximum of 16 credits when other areas are offered. ANP 100 or ANP 263.

Archaeology of different areas with emphasis on prehistoric adaptations to natural and social environments. Settlement patterns, subsistence, technology, and style will be considered. Areas covered will vary with staff and student interest.

455. Theory in Historical Archaeology

Winter of even-numbered years. 4(4-0) ANP 263 or approval of department.

Traces the history of the development of theory and method in historical archaeology. Historic site interpretation is also considered.

456. The Practice of Historical Archaeology

Spring of even-numbered years. 4(4-0) ANP 263 or approval of department.

Course content includes the various methods of artifact typology. Artifact classes, including ceramics, trade goods, firearms, and architecture, are examined for purposes of identifying attributes useful in the areal and temporal placement of historic sites.

457. Public Archaeology

Fall of even-numbered years. 3(3-0) ANP 100; at least one 400-level archaeology course.

History of public archaeology; legislation and review procedures at State and Federal level; contract requirements for reports and field work; roles of amateurs, professional certification and private contractors.

463. Social Anthropology

Fall, Spring. 4(4-0) ANP 171 or approval of department.

Organization and structure of non-Western societies, ranging from simpler tribal and peasant societies to complex civilizations. Social institutions, such as those based upon kinship, sex, age and status, analyzed for specific groups.

464. Religion and Culture

Winter. 4(4-0) ANP 171 or SOC 241 or approval of department.

Religious beliefs and magical practices of primitive peoples and functions of magic and folklore in contemporary society. Religion as an institution in society.

465. Symbolic Anthropology

Winter. 4(4-0) ANP 221 or ANP 463 or ANP 464, or approval of department.

Course explains how human perception and communication are guided by systems and meanings and relates systems of thought to systems of action. Examples from western and non-western cultures.

467. Language and Culture

Fall, Spring. 4(4-0) Approval of department. Interdepartmental with the Department of English.

A survey exploring the interconnectedness of language and culture. Special areas to be emphasized include: Child Language Learning; Linguistic and Cultural Contact Phenomena; 'Specialized' Languages, such as Cant, Argot, Trade Jargon, Lingua Franca; 'Hybridization' and 'Substratum'; Language and Cultural Change; a brief examination of Theories of Origins and of the Sapir-Whorf Hypothesis.

- 468. Systems of Rank**
Spring of odd-numbered years. 4(4-0)
ANP 221 or ANP 463 or approval of department.
A comparative study of systems of rank such as age grading, sexual, spatial, caste, ethnicity, and class systems. The course emphasizes both symbolic and transactional analyses of rank.
- 469. Cultural Areas of the World**
Winter, Summer. 4(4-0) May reenroll
for credit when new area is given. ANP 100 or
ANP 171 or SOC 241 or approval of depart-
ment.
Social character of people, social organization,
culture of area in relationship to social heritage,
local conditions and world affairs. Areas em-
phasized will vary with staff and student's inter-
est: Africa, American Indian, Latin America,
Near East, Northeast Asia, Pacific, and South-
east Asia.
- 472. Anthropology of Legal Systems**
Spring of even-numbered years. 4(4-0)
ANP 221 or ANP 463 or approval of department.
A comparative examination of legal ideas in
selected non-Western preindustrial and peasant
societies; parallels and contrasts are drawn with
key legal ideas of modern Western systems.
- 473. Culture and Personality**
Fall, Spring. 4(4-0) One 300 level an-
thropology or sociology course. Inter-
departmental with the Department of Sociol-
ogy.
Human nature in evolutionary and cross-
cultural perspective. Special attention to relat-
ing theories of anthropology and psychology to
methods of studying personality in non-Western
societies.
- 474. Culture and Economic Behavior**
Winter. 4(4-0) ANP 221 or ANP 463 or
approval of department.
Economic systems of changing cultures in Asia,
Africa and Latin America. The cultural matrix of
economic transactions and relations of economic
and other social and cultural institutions seen in
a comparative framework. Emphasis is placed
on traditional agricultural or tribal communities.
- 475. Political Anthropology**
Spring of odd-numbered years. 4(4-0)
ANP 221 or ANP 463 or approval of department.
Political systems of changing cultures in Asia,
Africa and Latin America. Relation between
political and other social institutions and
analysis of the organization of conflict in non-
Western societies. The relation of tribal and
peasant politics to national politics in develop-
ment countries seen in a comparative
framework.
- 479. Anthropology Capstone Course**
Spring. 4(4-0) Senior Anthropology
majors.
Seminar on the integration of the subdivisions
of anthropology and its distinctions from other
approaches in the social sciences; perspectives
on future directions of anthropological inquiry
and options for careers.
- 481. Cross-Cultural Relations in the
Modern World**
Winter of even-numbered years. 4(4-0)
ANP 473. Interdepartmental with the Depart-
ment of Sociology.
Relationship of native peoples to world-wide
forces and reactions of native peoples to world
struggle for power. Problems involved in ad-
ministration of programs for non-Western
societies.
- 485. Methods of Archaeological
Research**
Spring. 4(3-1) ANP 450 or approval of
department.
Methods of doing anthropological research
through archaeology. Problem formation, hy-
pothesis development, testing; principles and
procedures of data recognition, collection, pre-
liminary laboratory processing and preliminary
analysis; preparation for field archaeology.
- 486. Practicum in Field Archaeology**
Summer. 2 to 12 credits. May reenroll
for a maximum of 20 credits. Approval of de-
partment.
Application of methods and techniques of field
archaeological research using actual sites and in
the context of participation in a research pro-
gram. Small groups work closely with staff in the
execution of research designs.
- 490. Topics in Anthropology**
Fall, Winter, Spring, Summer. 2 to 6
credits. May reenroll for a maximum of 20 cred-
its when a different topic is given. Approval of
department.
Experimental courses and courses taught by vis-
iting scholars.
- 495. Topics in Medical Anthropology**
Fall, Winter, Spring. 2 to 6 credits.
May reenroll for a maximum of 16 credits. Ap-
proval of department.
Western and non-Western health care and med-
ical systems, relationships between cultural sys-
tems and treatment of illness, cross-cultural
analysis of health maintenance and medical del-
ivery.
- 499. Independent Study**
Fall, Winter, Spring, Summer. 2 to 16
credits. May reenroll for a maximum of 16 cred-
its. Written approval of instructor and depart-
ment.
Study of a selected topic under the guidance of
a faculty adviser in the area of speciality, includ-
ing field work.
- 801. Core Seminar in Ethnographic
Analysis I**
Fall. 4(4-0) Approval of department.
Develops professional competence in the ana-
lytical assessment of monographic studies in so-
cial anthropology and examines a selected range
of analytical issues in relation to their ethno-
graphic contexts.
- 802. Core Seminar in Ethnographic
Analysis II**
Winter. 4(4-0) ANP 801.
Continuation of ANP 801.
- 803. Introduction to
Paleoanthropology I**
Winter. 4(4-0) Approval of depart-
ment.
Exploration of evolutionary theory followed by
an examination of data and modes of analysis
pertinent to the study of hominid evolution and
the development of culture through the Middle
Pleistocene.
- 804. Introduction to
Paleoanthropology II**
Spring. 4(4-0) ANP 803.
Exploration of hominid evolution and cultural
development from the Middle Pleistocene
through the Early Holocene. Emphasis on
selected issues illustrating the ways in which
paleoanthropologists solve problems.
- 805. History of Anthropological
Theory**
Fall. 5(5-0) ANP 802, ANP 804 or ap-
proval of department.
A review of the various schools of thought, im-
portant personalities, and principal concepts
that have contributed to the development of an-
thropological theory.
- 825. Seminar in Cross-Cultural
Relations**
Winter of odd-numbered years. 4(4-0)
Approval of department. Interdepartmental
with the Department of Sociology.
Analysis of the relations between superordinate
and subordinate societies and between coordi-
nate societies and cross-cultural exchange pro-
grams.
- 827. Anthropological Theorists**
Winter. 4(4-0) May reenroll for credit
with approval of department. Approval of de-
partment.
Review of current theoretical problems in social
and cultural anthropology.
- 830. Kinship Studies**
Winter of odd-numbered years. 4(4-0)
Approval of department.
The course will raise the question of what kin-
ship is and why it has been such a central topic
in anthropology. Various controversies and
theoretical trends will be presented and
analyzed.
- 831. Linguistic Anthropology**
Winter. 5(3-2) Approval of depart-
ment.
The nature of language; techniques for the de-
scription and comparison of languages; linguis-
tics as an anthropological tool; language and cul-
ture.
- 833. Anthropological Topics in
Prehistory**
Spring. 4(4-0) May reenroll for a
maximum of 12 credits when other problems
are offered. Approval of department.
Relation of archaeology to the other fields of
anthropology on both a theoretical and practical
level. Archaeological data are used to introduce
problems of long-range cultural change and de-
velopment.
- 835. Human Osteology and
Osteometry**
Spring of even-numbered years. 5(3-4)
Approval of department.
Identification of human bones and fragments;
aging, sexing and determining the race of
skeletal remains; measuring techniques for cra-
nial and postcranial remains; the more common
forms of paleopathology.
- IDC. Subsaharan Africa Seminar**
For course description, see Interdisci-
plinary Courses.
- 850. Archaeological Methods and
Techniques**
Winter. 4(4-0) Approval of depart-
ment.
Seminar outlining archaeological method and
the role of technique in the strategy of archaeol-
ogy. Techniques and problems of information
retrieval will be emphasized.

Descriptions – Anthropology

of Courses

856. *Methodology of Anthropological Research*

Winter. 1 to 12 credits. Approval of department.

Seminar in problems of anthropological investigation considered in the framework of history and philosophy of science. Relevance of various field techniques, methods of data gathering and data handling, and strategies of analysis for various problems are treated.

865. *Environment, Technology, and Culture*

Winter of even-numbered years. 4(4-0)
Approval of department.

Cultural ecology, study of the relation of man and his physical environment, the role of technology in mediating between the two. Comparative analysis of the interdependence of social organization, technology and environment. Case histories of cultural and social change arising from technological innovations.

870. *Applied Anthropology*

Spring of odd-numbered years. 4(4-0)
Approval of department.

Theoretical and methodological problems involved in planned social change. Course will focus on field experience in the local community. Designed mainly for graduate students having professional interest in the application of social change.

872. *Seminar in Special Subject Fields*

Fall, Winter, Spring, Summer. 2 to 6 credits. May reenroll for a maximum of 24 credits when new fields are offered. Approval of department.

Special fields of study will include any area of anthropology selected.

875. *Individual Research Projects*

Fall, Winter, Spring, Summer. 1 to 12 credits. May reenroll for a maximum of 24 credits with approval of department. Approval of department.

880. *Individual Readings*

Fall, Winter, Spring, Summer. 1 to 12 credits. May reenroll for a maximum of 24 credits with approval of department. Approval of department.

899. *Master's Thesis Research*

Fall, Winter, Spring, Summer. Variable credit. Approval of department.

999. *Doctoral Dissertation Research*

Fall, Winter, Spring, Summer. Variable credit. Approval of department.

ARABIC

See Linguistics and Oriental and African Languages.

ART

College of Arts and Letters

History of Art

H A

205. *Purposes of Art*

Fall, Winter, Spring. 3(3-0) Not open to majors.

Individual paintings, sculptures, and architectural works examined intensively for their reflections of cultural life, especially in the Western World, as well as for their formal and stylistic qualities.

206. *History of Western Art*

Fall. 4(4-0)

Painting, sculpture, architecture and decorative art from prehistoric to modern times. Provides acquaintance with the forms of art typical of each period and indicates the aesthetic qualities which give them artistic significance. Work in first term covers Prehistoric, Egyptian, Mesopotamian, Greek, Roman, Early Christian and Byzantine periods.

207. *History of Western Art*

Winter. 4(4-0)

Continuation of H A 206. Early Medieval, Romanesque, Gothic, Renaissance and Mannerist periods.

208. *History of Western Art*

Spring. 4(4-0)

Continuation of H A 207. Baroque, Rococo, Neoclassic and subsequent periods to contemporary art.

IDC. *Introduction to Latin America II*

For course description, see *Interdisciplinary Courses*.

304. *Greek Art and Archaeology*

(404.) Winter. 4(4-0) H A 206 or approval of department.

The history of painting, sculpture, and architecture of Ancient Greece from the Bronze Age through the Hellenistic period. The history of archaeological excavations of selected sites.

305. *Roman Art and Archaeology*

(405.) Spring. 4(4-0) H A 206 or approval of department.

The history of painting, sculpture and architecture of Ancient Rome from the Republic through the 4th century. The history of archaeological excavations of selected sites.

350. *Women in Modern Art*

Fall. 3(3-0) H A 208 recommended.

Contributions of selected European and American women artists and architects active since the late nineteenth century: analysis of their oeuvres and their changing relationships to mainstream artistic/critical developments.

355. *History of Photography*

Spring. 3(3-0) H A 208 or approval of department.

Evolution of the techniques and aesthetics of photography, and their interrelationship. Appreciation of contemporary trends, sources, and artists.

406. *Ancient Painting*

Spring of odd-numbered years. 4(4-0) H A 206 or approval of department.

Ancient Greek and Roman painting, including Minoan Crete. Special emphasis is placed on Archaic and Classical Greek painting on pottery and on Roman wall painting from Pompeii and elsewhere.

407. *Ancient Sculpture*

Fall of odd-numbered years. 4(4-0) H A 206 or approval of department.

The sculpture of Ancient Greece and Rome, from the Bronze Age through Early Christian times.

408. *Ancient Architecture*

Winter of even-numbered years. 4(4-0) H A 206 or approval of department.

The architecture of Ancient Greece and Rome, from Mycenaean times to the 6th century A.D., with special emphasis on the religious architecture of Classical Greece and Imperial Rome.

410. *Early Christian and Byzantine Art*

Fall. 4(4-0) H A 206 or approval of department.

Development of Christian art and architecture from the third through eighth centuries in the west, and through the Macedonian Renaissance in the east.

411. *Carolingian, Ottonian, and Romanesque Art*

Winter. 4(4-0) H A 207 or approval of department.

The history of architecture, painting, and sculpture in the west from the time of Charlemagne through the Ottonian Empire and the great Romanesque churches of the 11th and 12th centuries.

412. *Gothic Art*

Spring. 4(4-0) H A 207 or approval of department.

Development of the great French cathedrals of the 12th and 13th centuries, including their sculpture, stained glass, and decorations, as well as their influence in other countries.

420. *Italian Renaissance Architecture*

Spring. 4(4-0) H A 207 or approval of department.

Important buildings of the 15th and 16th centuries, architectural theories, and architectural representations in drawings and paintings.

421. *Italian Renaissance Sculpture*

Winter. 4(4-0) H A 207 or approval of department.

Major artists from circa 1250 to 1600.

422. *Italian Renaissance Painting--Fifteenth Century*

Fall. 4(4-0) H A 207 or approval of department.

Developments in Italian painting, especially Florentine, of the 14th and 15th centuries, with emphasis on 15th century masters such as Masaccio, Piero della Francesca and Botticelli.

423. *Italian Renaissance Painting--Sixteenth Century*

Spring. 4(4-0) H A 207.

Emphasis on Leonardo, Michelangelo, Raphael, Titian, Tintoretto, and other important masters of the High and Late Renaissance.

425. *The Age of Michelangelo*

Spring. 4(4-0) Approval of department. Interdepartmental with Italian and the Department of History.

Art, society, and literature in the Italian Renaissance, focussing on the art and poetry of Michelangelo as expressions of the events and concerns of his time.