

ANTHROPOLOGY

826*. **International Development and Sustainability**
 Spring of odd-numbered years. 3(3-0)
 Interdepartmental with the Department(s) of Resource Development, Political Science.
 R: graduate students
 The environmental, economic, political, legal, managerial and cultural components of sustainable development.
 QP: RD 801

829*. **Research Methods in Cultural Anthropology**
 Spring of even-numbered years. 3(3-0)
 R: Open only to graduate students. One course in Statistics.
 Methodological underpinnings. Project design, field strategies, research techniques, and methods of data analysis.
 QA: ANP 856

830*. **Kinship Studies**
 Spring of even-numbered years. 3(3-0)
 P: ANP 421. R: Open only to graduate students.
 Cultural notions of kin-relatedness. Bonds and conflicts of kinship in familial, political, and other domains.
 QP: ANP 463 QA: ANP 830

831*. **Seminar in Cultural Ecology**
 Fall of even-numbered years. 3(3-0)
 R: Open only to graduate students.
 Approval of department.
 Anthropological theories for understanding culture as system of mediation between humans and environment. Cultural ecological approaches applied to sociocultural change and stability.
 QA: ANP 865

832*. **Class and Ethnicity in Social Differentiation**
 Fall of odd-numbered years. 3(3-0)
 R: Open only to graduate students.
 Approval of department.
 Anthropological theories on nature and sources of social differentiation and inequality within cultures and ethnic communities. Class and ethnic identity in cultural contexts.
 QA: ANP 863

833*. **Ethnographic Analysis**
 Fall of even-numbered years. 3(3-0)
 R: Approval of instructor.
 Methodological and theoretical issues in the analysis of the ethnographic monograph.
 QA: ANP 858

834*. **Medical Anthropology I: Overview**
 Fall. 3(3-0)
 Anthropological approaches to the study of sickness, disease, and healing. Medical anthropology as a subdiscipline.
 QA: ANP 820

836*. **Theories of Sociocultural Change**
 Fall of even-numbered years. 3(3-0)
 R: Open only to graduate students.
 Theoretical and methodological issues. Major theorists and models.
 QA: ANP 862

837*. **Seminar in Economic Anthropology**
 Spring of even-numbered years. 4(4-0)
 P: ANP 424 or approval of department.
 R: Open only to graduate students in Anthropology.
 Central research topics in the economic anthropology of peasant societies. Dependent capitalist formation and marginal sectors.
 QP: ANP 474 QA: ANP 874

838*. **Agrarian Systems and Social Transformation**
 Fall of odd-numbered years. 3(3-0)
 P: graduate status or permission of instructor R: senior or graduate student standing
 The structure and organization of agrarian societies. Transformations caused by global, national and local forces.

839*. **Age and Gender**
 Fall of odd-numbered years. 3(3-0)
 R: Open only to graduate students.
 Cultural construction of age and gender. Its effects on the individual and society.
 QA: ANP 864

840*. **Biocultural Evolution**
 Fall. 3(3-0)
 R: Open only to graduate students in Anthropology. One course in human evolution.
 Major contemporary issues in evolutionary theory, taxonomy, and the evolution of biology and culture.
 QA: ANP 840

841*. **Physical Anthropology**
 Spring of odd-numbered years. 3(3-0)
 R: Open only to graduate students.
 Approval of department.
 Controversies in biological anthropology. History of physical anthropology and current theoretical perspectives. Critical approaches to research design.
 QA: ANP 837

842*. **Human Osteology**
 Spring of even-numbered years. 5(4-2)
 R: Approval of department.
 Human bone biology, skeletal anatomy, and osteological analysis.
 QA: ANP 835

843*. **Nutritional Anthropology**
 Spring of odd-numbered years. 3(3-0)
 P: ANP 470 or approval of department.
 Food, foodways, and nutrition in different cultural systems. Production, storage, processing, and consumption. The social significance of eating, foods, and body image. Research methods.
 QA: ANP 825

850*. **Principles of Archaeological Analysis**
 Spring of odd-numbered years. 3(3-0)
 P: GEO 465 or approval of instructor. R: Open only to graduate students.
 Formal, spatial, and temporal dimensions of archaeological research design. Appropriate analytic techniques.
 QP: GEO 427 QA: ANP 850

853*. **Evolution of Civilization**
 Spring of even-numbered years. 3(3-0)
 R: Approval of department.
 Major anthropological theories of the emergence and development of civilizations. Role of archaeological data in formulating, testing, and refining these theories.
 QA: ANP 853

854*. **Archaeological Theory**
 Fall of even-numbered years. 3(3-0)
 R: Approval of department.
 Archaeological theory and the nature of the archaeological record. Use of archaeological data to test social theories of past human behavior.

855*. **The Roots of Contemporary Anthropological Theory**
 Spring. 3(3-0)
 Development of contemporary anthropological theory from 18th and 19th centuries. Major paradigms in current anthropology.
 QA: ANP 860

880*. **Issues in Contemporary Archaeology**
 Fall of odd-numbered years. 3(3-0)
 R: Open only to graduate students.
 Approval of department.
 Theories, issues, problems, and methodological innovations affecting the conduct of research in archaeology.
 QA: ANP 855

890A*. **Individual Readings**
 Fall, Spring, Summer. 1 to 8 credits.
 May reenroll for a maximum of 16 credits.
 R: Open only to graduate students.
 Approval of department.
 Advanced study, based on prior preparation, under faculty direction.
 QA: ANP 880

890B*. **Individual Research**
 Fall, Spring, Summer. 1 to 8 credits.
 May reenroll for a maximum of 16 credits.
 R: Approval of department.
 Graduate student projects under faculty direction.
 QA: ANP 875

892*. **Seminar in Anthropology**
 Fall, Spring, Summer. 1 to 4 credits.
 R: Open only to graduate students in Anthropology. Approval of department.
 Studies in selected fields.
 QA: ANP 872

899*. **Master's Thesis Research**
 Fall, Spring, Summer. 1 to 8 credits.
 May reenroll for a maximum of 8 credits.
 R: Open only to graduate students in Anthropology. Approval of department.
 QA: ANP 899

999*. **Doctoral Dissertation Research**
 Fall, Spring, Summer. 1 to 24 credits.
 May reenroll for a maximum of 24 credits.
 R: Approval of department.
 QA: ANP 999

ARABIC **ARB**

101*. **Elementary Arabic I**
 Fall. 4(4-1)
 Writing, reading, and speaking elementary standard Arabic; focus on conversation and vocabulary building.
 QA: ARB 101 ARB 102

102*. **Elementary Arabic II**
 Spring. 4(4-1)
 P: ARB 101 or placement
 Continuation of ARB 101; enhancement of student knowledge of written and spoken standard Arabic through textbook lessons, tapes, listening, handouts and oral and written classroom work.
 QP: ARB 101 QA: ARB 102 ARB 103

201*. **Second Year Arabic I**
 Fall. 4(4-0)
 P: ARB 102 or placement R: .
 Reading and discussion of a broad range of cultural material including expository and literary texts from the Arabic speaking world. Further development of language skills.
 QP: ARB 103 QA: ARB 201 ARB 202

202*. **Second Year Arabic II**
 Spring. 4(4-0)
 P: ARB 201 or placement R: .
 Reading and discussion of an advanced range of materials from the Arabic world and locally. Further development of language skills and better understanding of Arabic heritage.
 QP: ARB 201 QA: ARB 202 ARB 203

ARABIC

- 290*** **Independent Study**
Fall, Spring, Summer. 1 to 4 credits.
May reenroll for a maximum of 8 credits.

R: Approval of the Department

Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

- 490*** **Independent Study**
Fall, Spring, Summer. 1 to 4 credits.
May reenroll for a maximum of 8 credits.

R: Approval of the Department

Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

- 491*** **Special Topics in Arabic Studies**
Fall, Spring, Summer. 1 to 4 credits.
May reenroll for a maximum of 8 credits.

R: Approval of the Department

Special topics supplementing regular course offerings proposed by faculty on a group study basis.

ARTS AND LETTERS AL

- 192H*** **Arts and Humanities Freshmen Seminar**

Fall, Spring. 4(4-0)

R: Open only to freshmen Honors College students in the College of Arts and Letters. Designated score on English placement test.

Critical reading, writing and understanding of modes of discourse. Interdisciplinary topics vary by instructor. Fulfills Tier I writing requirement.
QP: ATL 121 ATL 122 QA: AL 150

- 250*** **Hanzi writing system and calligraphy**
Spring. 3(3-0)

P: CHS 102 or permission of department.

Structure and history of Chinese characters and use of Chinese dictionary.
QP: CHS 103 QA: CHS 250

- 380*** **Methods of Teaching Foreign Languages**
Spring of odd-numbered years. 3(3-0)
P: GRM 202

Methods of teaching foreign languages for teacher education candidates; theories of language acquisition and practical application of teaching strategies.
QP: GRM 203 QA: TE 340

- 390H*** **Interdisciplinary Perspectives in the Arts and Humanities**
Fall, Spring. 3(3-0) May reenroll for a maximum of 6 credits.

Interdepartmental with the Department(s) of English, Philosophy, History, Romance Language Courses, Music.

R: Honors College Honors College members; approval of Honors College

In-depth selected topics in the arts and humanities drawing on materials and methods of several disciplines.

- 400*** **Overseas Study in Arts and Letters**
Fall, Spring, Summer. 2 to 8 credits.
May reenroll for a maximum of 8 credits.

P: CIS/AH 240 (East Asia) or permission of department

R: Not open to freshmen and sophomores. Approval of college.

Supervised study of selected topics in the arts, languages, history, philosophy, and religious studies, in relation to particular cultural sites, museums and institutions.

- 450*** **Arts Management**
Fall of even-numbered years. 3(3-0)
May reenroll for a maximum of 6 credits.

R: Juniors and above

Arts organization administration and facilities management. Operational methods and procedures of performing companies. Funding and financial structure. Audience development and marketing.
QA: AL450

- 464*** **Studies in Literature of Asia and the Asian Diaspora**

Spring. 3(3-0) May reenroll for a maximum of 9 credits.

Interdepartmental with the Department(s) of Linguistics and Oriental and African Language Courses, English.

R: Sophomores and above

Selected writers, genres, themes or regions in Asian and Asian diasporic literature.
QA: CHS 420

- 493A*** **Arts and Letters Internship**
Fall, Spring, Summer. 2 to 8 credits.
May reenroll for a maximum of 8 credits.

R: Not open to freshmen and sophomores.

A student may earn a maximum of 8 credits in AL 493A and AL 493B combined. Completion of Tier I writing requirement, 12 credits in the major. Approval of college.

Supervised preprofessional field experience in the arts and humanities.
QA: AL499

- 493B*** **Arts and Letters Publications Internship**

Fall, Spring, Summer. 2 to 4 credits.

R: Not open to freshmen and sophomores.

A student may earn a maximum of 8 credits in AL 493A and AL 493B combined. Completion of Tier I writing requirement. Approval of college. Introduction to all aspects of preparing College of Arts and Letters publications. Newsletters, brochures, and special events flyers.

- 820*** **Humanistic Perspectives on Health**
Fall. 3(3-0)

R: Approval of Director of IPHH

Multidisciplinary perspectives on health care and medicine, emphasizing linkages among the humanistic and scientific disciplines.
QA: AL 820

- 821*** **Proseminar in Comparative Literature**

Fall. 3(3-0) Interdepartmental with the Department(s) of English, Romance Language Courses, Linguistics.

R: seniors and above Arts and Letters

advanced reading knowledge of languages
History and practice of comparative literature including foundational concepts and current directions in the field.
QA: AL 820

- 822*** **Methods of Comparative Literature**
Spring. 3(3-0) May reenroll for a maximum of 6 credits.

Interdepartmental with the Department(s) of English, Romance Language Courses, Linguistics.

P: AL 821; or approval of college R: seniors and above Arts and Letters advanced reading knowledge of languages

Case studies in international literary tradition, reception, and transmission, including approaches to genre and period, and to the history and aesthetics of reception.
QA: AL 822

- 823*** **Seminar in Comparative Literary Criticism**

Fall. 3(3-0) May reenroll for a maximum of 6 credits.

Interdepartmental with the Department(s) of English, Romance Language Courses, Linguistics.

P: AL 821, AL 822; or approval of college

R: seniors or above Arts and Letters reading knowledge of languages

Theory and practice of comparative literary criticism, with attention to the development of critical approaches and to current topics in the critical literature.
QA: AL 823

- 824*** **Comparative Critical Theory**
Spring. 3(3-0) May reenroll for a maximum of 6 credits.

Interdepartmental with the Department(s) of English, Romance Language Courses, Linguistics.

P: AL 821, 822; or approval of college R:

seniors or above Arts and Letters reading knowledge of languages

Critical theory of comparative literature, including comparative studies in rhetorical theory and discourse analysis.
QA: AL 824 AL 825

- 829*** **Capstone Seminar in Health and Humanities**

Spring. 1(1-0)

R: Approval of Director of IPHH

Peer review of master's theses completed or near completion. Discussion of recent works in interdisciplinary approaches to health and humanities.
QA: AL 829

ASTRONOMY AND ASTROPHYSICS AST

- 201*** **Astrophysics and Astronomy I**
Fall. 3(04-0)

P: PHY 183 or PHY 183B or PHY 193H;

MTH 132 or MTH 152H.

Overview of the universe: the celestial sphere, orbits, spectra, the solar system, stars, and stellar evolution.
QP: PHY 287 PHY 291HMTH 113 QA: AST 229 AST 217

- 202*** **Astrophysics and Astronomy II**
Spring. 4(03-2)

P: AST 201; PHY 184 or PHY 184B or

PHY 294H; MTH 234 or MTH 254H, or concurrently.

Interstellar medium, the milky way, galaxies, and the large-scale structure of the universe. Coordinate systems, instruments, and data analysis.
QP: AST 229 QA: AST 230 AST 327

- 301*** **Junior Research Seminar**

Spring. 1(01-0) May reenroll for a maximum of 4 credits.

P: AST 202.

Preparation and presentation of a review paper on a current topic in astronomy or astrophysics.
QP: AST 230 AST 327 QA: AST 399

- 310*** **Directed Studies**
Fall, Spring, Summer. 1 to 3 credits.
May reenroll for a maximum of 6 credits.

P: AST 202. R: Approval of department.

Individual study or project in astronomy or astrophysics under the direction of a faculty member.
QP: AST 230 QA: AST 490

- 401*** **Stars**

Fall. 3(03-0)

P: AST 202, PHY 410, PHY 321 or concurrently.

Physical processes that determine the structure and evolution of stars. Results of stellar evolution theory. Stellar atmospheres. Observations of stars.
QP: AST 327 PHY 396 QA: AST 442