of credit for the doctorate when topics vary. Topics to be announced.

1970 Seminar in French Literature (3) Y May be taken for a max. of 6 hrs. of credit when topics vary. Topics to be announced.

1970 Seminar in French Linguistics (3) Y May be taken for a max. of 6 hrs. of credit when topics vary. Topics to be announced.

1990 Seminar in Gender Representations in French Literature (3) With consent of department, may be taken for a max. of 6 sem. hrs. of credit when topics vary. Topics to be announced.

1995 French Feminist Theories (3) Current and past modes of feminist theoretical discourse; implications for literary studies.

8000 Thesis Research (1-12 per sem.) "S"/"U" grading.

9000 Dissertation Research (1-12 per sem.) "S"/"U" grading.

GEOGRAPHY • GEOG

General education courses are marked with stars (★).

CORE CURRICULUM (Required of majors.)

★ 1001 Human Geography: Americas and Europe (3) 1001 and 1003 need not be taken in numerical order. Principal themes of human geography, including the spatial distributions and interactions of culture, history, economy, population, and environment, with a regional emphasis on the Americas and Europe.

★ 1003 Human Geography: Africa and Asia (3) 1001 and 1003 need not be taken in numerical order. Principal themes of human geography, including the spatial distributions and interactions of culture, history, economy, population, and environment, with a regional emphasis on Africa and Asia.


★ 2050 Physical Geography: The Atmosphere (3) Credit will not be given for both this course and GEOG 2061. May be taken for elective geology credit. Physical principles, processes, and operations in the atmosphere; world climatic realms.

★ 2051 Physical Geography: Land and Water Surfaces, Plant and Animal Realms (3) Credit will not be given for both this course and GEOG 2061. Surface elements of the earth's environment; relationships among these elements.

2055 Map Reading (3) 2 hrs. lecture; 2 hrs. lab. Nature and interpretation of topographic maps.

MAPPING SCIENCES

(All majors select three courses.)

Cartography

2039 Cartographic Drafting and Graphic Presentation (3) 2 hrs. lecture; 2 hrs. lab. Basic drafting instruments and techniques necessary for preparation of maps and scientific documents.

4040 Advanced Cartography (3) Prereq.: GEOG 2039 or equivalent. Cartographic history, map projection; advanced techniques of data presentation and cartographic production.

4044 Computer Cartography (3) No programming knowledge necessary. Introduction to selected mapping packages.

4049 Advanced Computer Cartography (3) Prereq.: CSC 1250 or 1253 and GEOG 4044. Use of computer mapping programs; theory and methods of display of point, line, and area elements in thematic maps; algorithms involved in encoding, editing, storing, retrieving, and displaying data from a digital cartographic database.

Remote Sensing

4019 Aerial Photo Interpretation of Cultural Features (3) 2 hrs. lecture; 2 hrs. lab. Credit will not be given for both this course and GEOG 4020. Analysis of land use/land cover, urban, industrial, and military aspects from aerial photographs.

4020 Aerial Photo Interpretation (3) Prereq.: GEOG 1001 and 1003 or GEOG 2051. Credit will not be given for both this course and GEOG 4019. 2 hrs. lecture; 2 hrs. lab. Analysis and mapping of geologic structure, lithology, and landforms from aerial photographs.

4045 Environmental Remote Sensing (3) Prereq.: consent of instructor. Techniques for the use of remote sensing. Applied to ecosystem processes and ecosystem problems; 2 hrs. lecture; 2 hrs. lab. Basic energy and matter relationships; principles of primary remote sensors; environment studied via remote sensing techniques.

GIS/Techniques

4041 Field Methods in Geography (3) 1 hr. lecture; 4 hrs. lab. Cannot be counted as a Freshman Seminar. Spring semester emphasis on the physical landscape.

4042 Enterprise Geographic Information Systems (3) The use of vector-based GIS application software for the input, management, analysis, and presentation of geospatial data. Emphasis is placed on how the GIS relates to database management systems as part of building an enterprise-wide GIS.

4046 WebMapping (3) The creation of Web sites for the presentation of geospatial data via the World Wide Web. Emphasis is placed on how the technologies of Internet Web servers, GIS application software, and database management systems form a symbiotic relationship to make such Web sites possible.

4047 Geographic Information Systems (3) Prereq.: CSC 1250 or 1253 or equivalent. Geographic information systems used in land resource management and planning; data structures and algorithms for automated retrieval and analysis of spatial data; structuring cartographic data into spatial data; integration of remotely sensed data into geographic information systems.

4048 Methods of Spatial Analysis (3) Prereq.: EXST 4001 or equivalent. Mathematical, statistical, and spatial analytical methods for handling and interpreting data related to geography.

HUMAN GEOGRAPHY

(All candidates select two systematic and one regional course.)

Systematic

2010 Human Geography (3) Survey of patterns and processes of world's cultures and landscapes.

2020 Humans and the Environment (3) Exploration of geographic concepts that underlie nature-society relationships and human-dimensions of environmental change.

4042 Elements of Cultural Geography (3) Culturally oriented proselytizer in American geographical thought during the present century.

4060 Political Geography (3) Systematic, cultural-political geography; emphasis on technical and philosophical aspects and on American political landscapes; territorial political entities (cadastral, civil, national, international); role of the lands and seas, nature and objects of war; impacts of political entities on the landscape.

4072 Urban Historical Geography (3) Spatial evolution of cities and city-systems in western civilization through the classical, medieval, mercantile, and industrial periods to 1945.

4073 Urban Geography (3) Internal arrangement, external relations, and locational aspects of urban places, with emphasis on urban places identified by presence of tertiary economic activities.

4074 Place and Culture (3) See ANTH 4074.

4077 Economic Geography (3) Location, characteristics, and relationships of primary, secondary, and tertiary economic activity; measurements and theories of location of economic endeavors.

4078 Environment and Development (3) Geographic theories and methods for analyzing relationship between environment and development.

4079 Geography of Religion (3) Also offered as REL 4079. Theory and methods of analyzing the culture and movement of religious rituals and traditions over space and time.

4080 Historical Geography (3) Advanced concepts and principles of historical geography.

4086 Human-Environment Interactions (3) Also offered as ANTH 4086. Cultural and biophysical environment, including mountains and highlands, the arctic, deserts, the humid tropics, and grasslands; subsistence strategies, local and regional knowledge of household economies, land use practices, and resource management institutions.

4087 Gender, Race, and Culture (3) Also offered as ANTH 4087 and WGS 4087. The geographies of everyday life showing how notions of maleness and femaleness influence how we understand and relate to the world around us, from our built environment, to the places we invest with meaning, and the very ways we live, work, travel, and explore.

Regional

3001 Geography of Louisiana (3) Development and current distribution of physical and human geography of Louisiana.
Biogeochemistry and Sustainability

2070 Environmental Conservation (3) Factors governing human use of resources and their perception, evaluation, and exploitation. Prereq.: GEOG 4082 and a basic course in historical geography, or equivalent. 2 hrs. lecture; 4 hrs. lab. Also offered as ANTH 4083. Theory and method of reconstructing climatic, biological, geological, and human history during the Pleistocene and Holocene periods.
2085 Tropical and Subtropical Biogeography (3) Prereq.: GEOG 4082 and a basic course in historical geography, or equivalent. 2 hrs. lecture; 3 hrs. lab. Also offered as ANTH 4083. Theory and method of reconstructing climatic, biological, geological, and human history during the Pleistocene and Holocene periods.
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