INTRODUCTION TO ECONOMIC GEOGRAPHY
Fall, Spring. 3(3-0)
Spatial distribution of resources, population, enterprise, trade, consumption, and production. Interaction of those distributions at local to global scales.

INTRODUCTION TO HUMAN GEOGRAPHY
Fall, Spring. 3(3-0)
Systematic study of spatial patterns and processes that have shaped human use and alteration of the world.

INTRODUCTION TO METEOROLOGY
Fall. 3(3-0)

WORLD REGIONAL GEOGRAPHY
Fall. 3(3-0)
Economic, political, cultural, environmental, and technological processes and conditions that explain the diversity of world regions.

PHYSICAL GEOGRAPHY
Fall, Spring. 3(3-0)
Geographic and functional interrelationships within the physical environment: Earth-sun relationships, weather, climate, soils, vegetation and landforms (terrain characteristics).

PHYSICAL GEOGRAPHY LABORATORY
Fall, Spring. 4(3-2) P: GEO 113 or GEO 151 or GEO 203 or GEO 204 or (GEO 206 or concurrently) or GEO 208 or GEO 211 or GEO 215 or GEO 221
Geographic aspects of weather, climate, soil, vegetation, and terrain. Interpretation and application of maps and remotely sensed imagery.

PHYSICAL GEOGRAPHY OF THE NATIONAL PARKS
Fall of odd years. 2(2-0)
Physical features such as geology, landforms, biota, and waters of United States and Canadian national parks, forests, seashores and lakeshores. Emphasis on formation and distribution.

ENVIRONMENTAL POLICY AND PRACTICE
Fall. 3(3-0)
Systematic study of environmental policy and resource management practices in the United States and the broader global context, emphasizing geographical and other social sciences perspectives.

SPORTS GEOGRAPHY
Fall of odd years. 3(3-0)
Geographical variables that influence the location, character, and spread of sports at the national and global scale. Human cultures and diffusion. Themes associated with the geography of sports. Origin and spread of collegiate, professional, international, and Olympic sports.

INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS
Fall, Spring. 3(3-0)
Principles and methods of spatial data collection, handling, analysis, and display. Introduction to remote sensing, geographic information systems, and cartography.
Regional Geomorphology of the United States
Spring of odd years. 3(3-0) RB: GEO 306 or GLG 201 or GLG 412 or ISP 203A or ISP 203B
Geomorphic characteristics of physiographic regions of the United States.

Soil Geomorphology Field Study
Fall of odd years. 4(4-0) P: CSS 210 or GEO 306 or GLG 201 or GLG 412 or GEO 206 R: Not open to freshmen or sophomores.

Global Climate Change and Variability
Fall of odd years. 3(3-0) P: GEO 203 or GEO 206
Analysis of climate change and variability at various time and space scales. Climate systems, palaeoclimatology, global warming, climate models, and climate impact assessment.

Geography of Food and Agriculture
Fall of even years. 3(3-0) RB: GEO 113 or GEO 151 or GEO 204 or GEO 206 R: Not open to freshmen or sophomores.
Spatial patterns of contemporary global agriculture and food systems. Human-environment geography of select agricultural practices and food systems. Effects of agricultural practices on natural and human resources.

Stream Systems and Landforms
Spring of even years. 3(3-0) RB: GEO 206 or GEO 306 or GLG 201 or GLG 431 R: Not open to freshmen or sophomores.

Glacial Geology and the Record of Climate Change
Spring. 3(3-0) Interdepartmental with Geologic Sciences. Administered by Geologic Sciences. RB: GLG 201 or GEO 306 or GEO 408 or GLG 301 R: Not open to freshmen or sophomores.
In-depth analysis of glacial geology and the record of climate change, with emphasis on North America and Europe. One weekend field trip required.

Urban Geography
Spring. 3(3-0) Interdepartmental with Urban Planning. Administered by Geography. R: Not open to freshmen or sophomores.
Theories and models of urban spatial form. Underlying structures and processes. Socio-spatial dimensions of modern urbanism. Differentiation and locational conflict in residential, commercial, and industrial space.

Geography of Transportation
Fall of odd years. 3(3-0) Interdepartmental with Urban Planning. Administered by Geography. P: GEO 113 R: Not open to freshmen or sophomores.
Spatial principles of transportation. Theories of interaction, network structures, and location-allocation models. Role of transport and transport planning.
871 Seminar in Physical Geography
Fall. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course. RB: at least one course in physical geography R: Approval of department. Research on topics in physical geography.

872 Seminar in Human Geography
Fall. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course. RB: at least one course in human geography R: Approval of department. Research on topics in human geography.

873 Seminar in Human-Environment Geography
Spring. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course. RB: at least one course in human geography and one course in physical geography. R: Approval of department. Research on topics in human-environment geography.

874 Seminar in Geographic Information Science
Spring. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course. RB: at least one course in geographic information science, cartography or remote sensing R: Approval of department. Geographic information science (GIS) applications to social and environmental problems. Theory and related issues.

886 Research Design in Geography
Spring. 3(3-0) R: Approval of department. Research and writing in geography. Identification of geographic problems and their relative importance. Structuring and stating hypotheses. Data acquisition and tests for validity.

890 Advanced Readings in Geography
Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department. Advanced independent readings.

892 Advanced Research in Geography
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. Advanced independent research.

899 Master's Thesis Research
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to graduate students in the Geography major. Master's thesis research.

986 Theories and Philosophies in Geography
Spring of odd years. 3(3-0) R: Open to doctoral students in the Geography major. Historical development of the discipline within social and intellectual contexts. Philosophical approaches behind geographic research and theory.

999 Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 36 credits. A student may earn a maximum of 36 credits in all enrollments for this course. R: Open to doctoral students in the Department of Geography. Doctoral dissertation research.