

Geography (GEO)
History, Politics & Geography Department
School of Natural & Social Sciences
Connell Hall

Objectives: The Geography program is designed to acquaint the student with the natural and human systems of the earth; its physical make-up; its place in the universe its political; economic and cultural development; and the ways in which all of these interconnect.

Geography Major (BA or BS) 36 hours

EAS	110 Introduction to Meteorology.....	4
	120 Introduction to Geology.....	4
	310 Weather Systems of North America.....	4
GEO	120 World Regional Geography.....	3
	315 World Economic Geography.....	3
	430 Geographic Information Systems or	
	435 Computer Mapping.....	3
Earth Science and/or Geography electives.....		15

(8 of the 15 hours must be upper level courses)

Subject Endorsement in Geography (BA or BS) 38 hours

(C or above grade required for all courses in the Geography Endorsement) of which up to 13 hours may be used to fulfill General Education requirements.

EAS	110 Introduction to Meteorology.....	4
	120 Introduction to Geology.....	4
GEO	120 World Regional Geography.....	3
	300 Human Geography.....	3
	305 Political Geography.....	3
	315 World Economic Geography.....	3

Geography Electives.....12

Social Science Electives (other than GEO).....6

(10 of the 18 elective hours must be upper level courses). A second subject endorsement is also required.

EDU 409 Social Science Content Area Methods and Materials must be taken as part of the professional education requirements

Minor in Geography: 19 hours

A minor must include a minimum of 12 hours unduplicated by the student's major(s) and minor(s).

EAS	110 Introduction to Meteorology.....	4
GEO	120 World Regional Geography.....	3
	315 World Economic Geography.....	3
Geography Electives (Upper level).....		9

Undergraduate Courses

GEO 120 World Regional Geography (3) A global survey of the geographic interrelationships between people and their environments.

GEO 300 Human Geography (3) Application of geographic principles to examine the social, economic and political activities of human cultures. Emphasis is on the concepts of culture, culture areas, migration, diffusion, social space, territoriality, environmental perception and cultural landscape.

GEO 305 Political Geography (3) A study of geographic factors as they pertain to national and international political problems.

GEO 315 World Economic Geography (3) A study of resource use, locational choices and regional specialization in the global economy.

GEO 320 Urban Geography (3) A theoretical and comparative study of the city stressing historical development, internal land use, external relations, and demographic and ecological consequences of urbanization.

GEO 325 Geography of Recreation, Tourism and Sport (3) A survey of the applied and academic aspects of indoor/outdoor recreation, international/regional tourism, and professional/amateur sports. The course will examine the distribution of legalized gaming, ecotourism and leisure travel as well as the preservation and study of cultural and natural heritage.

GEO 340 Geography of the US and Canada (3) A regional analysis of the United States and Canada in terms of economic activities and the physical environment. Special emphasis is on the historical development of the US and Canadian landscapes.

GEO 350 Geography of Europe (3) A regional analysis of Europe in terms of political organization, economic activities, and the physical environment.

GEO 360 Geography of Russia (3) A regional survey of the territory of Russia and the newly independent states that emerged from the breakup of the USSR. The focus of the course is on human, physical, and historical geography of the 15 countries in the region, which includes parts of Eastern Europe and Central Asia. Issues to be addressed include recent efforts toward economic restructuring, relations among the former republics and nationalities, and current events/problems.

GEO 370 Geography of Latin America (3) A regional survey of Latin America in terms of economic activities and the physical environment. Special emphasis is on the historical development of the Latin American landscapes.

GEO 380 Geography of Asia (3) A regional analysis of South, Southeast, and East Asia in terms of the people, economic activities, and physical environment.

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GEO 410/510 Hazards and Disasters (3) This course involves the study of catastrophic natural phenomena such as volcanic activity, earthquakes, floods, landslides, hurricanes, and tornadoes. We will examine these events on a world scale, always trying to understand where they occur and why they occur in those places. Emphasis is given to understanding the physical processes involved along with means of predicting, preventing, and minimizing the impact on humans.

GEO 420/520 Terrorism and War (3) An analysis of the players, traditions, regional interactions, and geopolitical motivations of world regions from where terrorism emanates, upon whom terrorists acts are perpetrated, and within which war is the prevailing form of political expression.

GEO 430/530 Geographic Information Systems (3) This course provides a basic introduction to the theory behind and hands-on usage of a Geographic Information System. An ability to manipulate and visualize data graphically is becoming ever more important in today's technological workplace. A Geographic Information System is a computing tool that allows the user to visualize information in ways that reveal relationships, patterns, and trends not visible using other presentation methods.

GEO 435/535 Computer Mapping (3) An introduction to basic concepts and techniques for the creating of maps via computers. Emphasis will be on interpretation of physical and cultural information from maps, and on understanding map layout and design. Hands on use of a computer mapping program will allow students to create their own maps in lab.

GEO 444 Topics in Geography (3) Current or special issues in Geography will be examined. The course offers students the opportunity to discuss relevant issues facing society. The course may be repeated for credit, by advisement, when no duplication of topics exists.

GEO 445/545 Geography of Nebraska (3) A regional analysis of the Great Plains/Midwest region with a focus upon Nebraska, Iowa and South Dakota. The physical and cultural aspects of the region are examined with a focus upon the changing perceptions and utilization's of the environment and the evolution of the contemporary landscape.

Eligible seniors may enroll in 500 level graduate courses.
Graduate Courses

GEO 500 Topics in Geography (3) Reading and discussion of selected topic in geography. Topic and title will vary. May be repeated if topic and title are different.

GEO 510 Hazards and Disasters (3) See GEO 410

GEO 520 Terrorism and War (3) See GEO 420

GEO 530 Geographic Info Systems (3) See GEO 430

GEO 535 Computer Mapping (3) See GEO 435

GEO 545 Geography of Nebraska (3) See GEO 445

Cross Listed Courses:

Three hours from the following courses may be used as electives in geography in the major, minor, and endorsement programs:

POS 340 International Relations

SOC 465 Peoples & Cultures of the Middle