

GEOGRAPHY (GEOG)

GEOG 211-0 World Biogeography (1 Unit) Geography of the world's major ecosystems based on the global climate model. Physical processes of soil formation and vegetation development in various ecosystems. Human impacts on natural systems resulting from past and present land-use practices. *Natural Sciences Distro Area*

GEOG 235-0 Atmosphere and Climate (1 Unit) Nature and composition of the atmosphere, principles of atmospheric motion, global circulation model, cyclonic storms; climates and climatic change. *Natural Sciences Distro Area*

GEOG 240-0 Economic Geography (1 Unit) Population, natural resources, land use, commodity production, and trade, with an emphasis on the world scale. Industrial location theory and global economic structures. *Social Behavioral Sciences Distro Area*

GEOG 312-0 Geography of Chicago & Its Region (1 Unit) Chicago as an example and model of city form. Physical environments of the Chicago region and their influence on settlement. Evolution of the geography of Chicago and its suburbs from the 19th century to the present, with an emphasis on recent trends. Prerequisite: junior standing. *Social Behavioral Sciences Distro Area*

GEOG 313-0 North America (1 Unit) Detailed study of the regional geography of the United States and Canada. The regional distribution of landform types. Patterns of culture, history, and economic development that underlie the distribution of distinctive lifeways in the two countries. *Social Behavioral Sciences Distro Area*

GEOG 328-0 The Human Use of the Earth (1 Unit) Geography of the earth's natural environments as modified by human agency. Natural versus anthropogenic environmental change. Processes of habitat alteration in hunter-gatherer societies. Impacts of modern agriculture and forestry. *Social Behavioral Sciences Distro Area*

GEOG 341-0 Principles of Cartography (1 Unit) Design, construction, and use of thematic maps for effective presentation of spatial data. Typography and symbolization. Coordinate systems and map projections. Prerequisites: MATH 220-0 and MATH 224-0. *Natural Sciences Distro Area*

GEOG 343-0 Geographic Information Systems (1 Unit) Methods and techniques of digital cartography; encoding and analysis of spatial information; applications to archaeology, environmental sciences, and business geographics. Prerequisite: GEOG 341-0. *Natural Sciences Distro Area*

GEOG 399-0 Independent Study (1 Unit) Independent research projects. Open to qualified advanced students with consent of department.