

GEOGRAPHY (GEO)

GEO 101 - Introduction to Geography

Credit Hours: 3, Contact Hours: 3

Division: Social Science

This course emphasizes both the physical and the cultural aspects of geography. Physical factors such as weather and climate, soil, vegetation and landforms are considered as they determine the natural resources of a region. Various aspects of human culture such as religion, language and economic systems are studied to gain an understanding of the ways in which people have used and misused their resources. Group 1 course. Communications - Direct, Degree Req:Cultural Persp/Div. Recommended Prerequisites: MTH 08, students scoring below ENG 111 on the placement test should plan on additional study time.

GEO 105 - Physical Geography

Credit Hours: 3, Contact Hours: 3

Division: Social Science

Physical geography studies selected elements of the physical environment: weather and climate, landforms, soil and vegetation. Particular emphasis is placed upon the nature and distribution of physical features throughout Michigan with respect to humankind. The lab includes field trips and emphasizes the application of physical principles through hands-on study of minerals, rocks, and soils; in conjunction with map and aerial photo interpretation. Group 1 course. Quantitative Reasoning. Recommended Prerequisites: MTH 23, students scoring below ENG 111 on the placement test should plan on additional study time. Corequisites: GEO 105L

GEO 105L - Physical Geography Lab

Credit Hours: 1, Contact Hours: 2

Division: Social Science

The lab emphasizes the application of selected physical elements through means of field work, map and aerial photo interpretation. Group 1 lab course. Corequisites: GEO 105

GEO 108 - Geography of U S & Canada

Credit Hours: 3, Contact Hours: 3

Division: Social Science

The diverse regions of Anglo-America will be investigated in this course. We will consider the relationship between the natural environment, the cultural background, economic conditions, and local problems of the U.S. and Canada. Group 1 course. Communications - Direct. Recommended Prerequisites: Students scoring below ENG 111 on the placement test should plan on additional study time.

GEO 109 - World Regional Geography

Credit Hours: 3, Contact Hours: 3

Division: Social Science

This course is a study of world regions. For each region we will consider the relationship between the natural environment, cultural background, economic conditions, and local problems that relate to world issues. Group 1 course. Communications - Direct, Degree Req:Cultural Persp/Div.

GEO 115 - Introduction to GIS

Credit Hours: 3, Contact Hours: 4

Division: Social Science

This course explores the fundamentals of Geographic Information Systems (GIS) for map reading, interpretation and analysis, in conjunction with the principles of cartography. Computer and Internet technologies are utilized for the generation, manipulation, storage and retrieval of maps and associated geographic attributes. Topics covered include: basic GIS concepts, display of data and attributes, queries, metadata, tabular relationships, data editing, projections and datums, and basic cartography. Group 1 course. Communications - Direct.

Required Prerequisites: MTH 23

Recommended Prerequisites: Intermediate computer skills (Windows) and Internet experience required.