

GEOGRAPHY (GPHY)

GPHY 111, INTRODUCTION TO CARTOGRAPHY 3 (4)

This course introduces the student to the cartographic principles of map production and interpretation. Topics covered are the history of map making, symbolic standards, layout aesthetics, geographic coordinates and projections, map scales, map accuracy, and, computer assisted mapping. Students will create hand drawn maps and digital maps in geographic information systems (GIS).

General Education: IN1

Typically Offered: Spring Semester

GPHY 112, INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS 3 (4)

This course provides an introduction to Geographic Information Systems (GIS) and it provides hands-on experience with commercial GIS software. The course will introduce students to the general principles and concepts underlying GIS and use of those systems in geographic locations. This course will also provide the conceptual and technical foundational framework so that students will be prepared for the advanced GIS course. A special fee will be assessed.

General Education: IN1

Course Entry Requirement(s): Prerequisite: CISS 121 or divisional approval

Typically Offered: Fall Semester

GPHY 113, ADVANCED GEOGRAPHIC INFO SYSTEMS 3 (4)

This course provides more advanced approaches to Geographic Information Systems (GIS) and hands-on experience with commercial GIS software. It takes students into more advanced practice and requires students to experience and investigate actual spatial systems. Students will be expected to perform more complex functions in the classroom and in the lab. A special fee will be assessed.

General Education: IN1

Course Entry Requirement(s): Prerequisite: GPHY 112

Typically Offered: Fall Semester

GPHY 151G, HUMAN GEOGRAPHY 3 (3)

Study of the relationship of man to his geographic environment in the major regions of the world. Includes the study of climate, land forms and people as related to various cultures throughout the world.

General Education: C4, IN1, IN2, IN3

Typically Offered: Summer, Fall and Spring Semesters

GPHY 152, GEOGRAPHY OF UNITED STATES/CANADA 3 (3)

A survey of North American geography emphasizing the interrelationship of physical, social and cultural systems, their sources and consequences. Intensive study of smaller regions included. Social Sciences Core Course.

General Education: C4, IN1, IN2, IN3

Typically Offered: Summer, Fall and Spring Semesters