## **FACULTY OF SCIENCE**

# **GEOGRAPHY**

Geography is a discipline that integrates the natural and social sciences; it explains how human and environmental systems function and interact.

The University of Winnipeg Geography program is divided into four areas of study:

**Physical Geography** examines components of the natural environment including landforms, weather and climate, soils and vegetative systems, and their impacts on humans.

**Human Geography** focuses on variations in the "human landscape" around the world—its agricultural systems, cities, industries, cultural expressions, and the particular problems faced by different societies.

**Regional Geography** combines both the physical and human features within specific areas of the world and provides a comprehensive understanding of the area in question.

**Geomatics** courses develop skills in cartography, map reading, satellite image analysis, geographic information systems analysis, and the statistical analysis of spatial and non-spatial datasets.

This program can lead to a Bachelor of Science Degree (3-year, 4-year, or Honours) or a Bachelor of Arts Degree (3-year, 4-year, or Honours). Students taking an undergraduate degree in another major may choose to add a Minor in Geography as a

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## **SAMPLE COURSES**

Physical Geography: Meteorology, Climatology, Introductory Soil Science, Natural Hazards

Human Geography: Population Geography, Urban Environment, Environment & Sustainability

Regional Geography: Human Geography of Northern Canada, Prairie Landscapes

Geomatics: Introduction to GIS, Introduction to Remote Sensing, Statistical Techniques in Geography

### SAMPLE FIRST YEAR

## For both Arts and Science Geography majors:

GEOG-1205(3) Science for a Dynamic World: An Introduction to Physical Geography

GEOG-1105(3) Challenges of a Changing World: An Introduction to Human Geography

GEOG-1305(3) Mapping in a Global World: An Introduction to Geomatics

RHET-1102(3) Academic Writing: Social Sciences or RHET-1103(3) Academic Writing: Science

or any other section of Academic Writing (if required)

6 credit hours Humanities

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