

# Course Description and Learning Outcomes

## Course Description

Focus is on the issues and foundations of Geographic Information Science. Topics covered include geographic coordinate systems, map projections, mapping quantitative data, compiling data from a variety of sources, and the production of effective maps based on established principles of cartographic design.

## Learning Outcomes

By the end of the course, students should be able to:

1. Compare and contrast different classes of maps.
2. Identify and distinguish different types of geographic coordinate systems and map projections.
3. Identify and apply the computer-based techniques for the production of quantitative maps.
4. Recognize and apply the principals of map design to the creation and evaluation of maps.

*This online course was developed by Peter Johnson, Peter Deadman, and Scott MacFarlane, with instructional design and multimedia development support provided by the Centre for Extended Learning. Further media production was provided by Instructional Technologies and Multimedia Services.*