ENVR 235 - Geographic Methods Applied to Environmental Problems
Winter 2011 Open Entry/Open Exit

This course is a capstone course for the Environmental Studies Program, and applies geographic research methods and geotechnology to solve environmental problems. Development of a project topic, construction of a hypothesis, and selection of a research strategy will be accomplished through consultation and faculty-directed study. Synthesis of geotechnology (geographic information systems, global positioning systems, aerial photography and remote sensing) with research methodology is the focus of this course.

Topics Include:
- Quantitative and qualitative research methods.
- Identifying a research problem.
- Creating a research design, using geographic methods appropriate to address the environmental issue.
- Appropriate measurement and sampling techniques.
- Collecting relevant data using appropriate geotechnology for the research project.
- Analyzing the data using appropriate statistical methods.
- Establish a collaborative relationship with the instructor to complete the research project.

For more information, contact:
Diane O’Connell
(734) 462-4400 ext. 5238
doconnel@schoolcraft.edu

Ken Oetzel
(734) 462-4580 ext. 8842
koetzel@schoolcraft.edu