BIOL-UA 64/ENVST-UA 372  Ecological Analysis with Geographic Information Systems
Instructor: Mary Killilea

Prerequisites:
ENVST-UA 100 Environmental Systems Science OR Principles of Biology I & Principles of Biology II

Course description:
Being able to organize and analyze ecological data is an essential research tool. Geographic information systems (GIS) are computerized systems for the capture, storage, management, analysis and display of geographically referenced data and their attributes. In this course you will learn the basic principles and applications of GIS including coordinate systems, data transformations, spatial analysis, and accuracy assessment. Laboratory exercises will use ecological data and examples to provide extensive hands-on experience with ArcGIS a professional GIS software package.