BIOL 410 : Applications of Geographical Information System (GIS) in Ecology, Environmental and Health Sciences

The use of GIS for data visualization and spatial analyses is a key technology that future professionals and scientists in the fields of Environmental, Ecological and Conservation Sciences should have. This course provides foundational and integrative knowledge on Geographic Information Systems (GIS), while exposing students to key applications of GIS in the real world. Students in this course will use ESRI ArcGIS Platform (ArcGIS Pro, ArcGIS 10.6.x) and be exposed to R-spatial tools, Drone technology and Q-GIS. The course will be taught using a combination of hands-on labs, workshops, demonstration, projects, invited speakers, short lectures and interactive tutorials in the classroom.

Credits 4
Prerequisites
Junior Standing or above
Attributes
Pre-req
Research Component
Upper-Level