

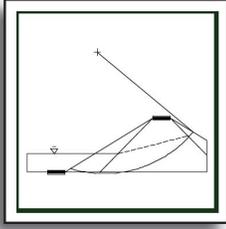


Introduction to GIS for Mining and Reclamation I

This course is an introduction to the basics of ArcGIS Desktop software. This course is designed around mining and reclamation examples and exercises. The various types of GIS data and how they are used in Desktop will be covered. Techniques for using the features of this software to generate high quality maps and analyzing selected data sets are taught. Specific training areas will be ArcCatalog, ArcMap & ArcToolbox.

Duration: 3 days

Course Code: GAD



TOPICS COVERED

The course will provide a basic understanding of ArcGIS and include:

- ▼ A basic understanding of various ArcGIS screens and functions
- ▼ A basic understanding of coordinate systems, datums, and projections
- ▼ Locating and adding baseline data from online sources (e.g., imagery, topography)
- ▼ Importing external data (Excel tables, CAD drawings, GPS points)
- ▼ Digitizing and georeferencing spatial data
- ▼ Performing basic data analysis using ArcGIS tools (editing, clip, buffer, selection)
- ▼ Properly displaying the data through the use of symbology, transparency, etc.
- ▼ Designing and printing maps for publication

WHO SHOULD ATTEND: Regulatory or AML staff with degrees in geology, soil science, hydrology, civil or mining engineering, or related natural sciences with little or no experience with GIS.

COURSE PRE-REQUISITES: Familiarity with GIS or mapping concepts is helpful. **Class size limited to 12–17 students, depending on location.**