



GIS FOR MINING & EXPLORATION

NATURAL RESOURCES

Overview:

This 5-day course teaches Geographic Information Systems (GIS) in the Mining and Exploration context in British Columbia. Important GIS concepts and functions are reviewed and introduced. The course is taught through ESRI's ArcGIS® software (ArcMap, ArcScene, ArcCatalog and ArcToolbox). This course will cover topics in GIS theory in mining and exploration, layouts, map symbology, georeferencing, organizing geographic data, creating and editing data, data and spatial analysis, modeling tools (automation tools), cartography, topography, reports, 3D data types, and 3rd Party mining extensions for ArcGIS®.

Audience

GIS for the Mining and Exploration Industry is designed for people who work for in the industry or with partner companies or organizations in the Mining and Exploration field. Students will have basic understanding of ArcGIS® software and to geographic information systems in general.

Topics

- Enterprise GIS in Mining and Exploration
- GIS Basics Reviewed
- Creating Map Symbology
- Referencing Data to Real Locations
- Organizing Geographic Data
- Creating and Editing Data
- Getting Started with GIS Analysis
- Designing Maps with ArcGIS®
- Perform Spatial Analysis
- Manage Geographic Data
- Display Points and Lines from Tables
- Georeferencing from Images and PDFs
- Convert GIS Data Formats
- Edit Spatial and Attribute Data
- Create and Use Metadata
- Produce High-quality Maps and Reports
- Linking Web-GIS Services to ArcMap
- 3D GIS Applications
- 3rd Party ArcGIS® Extensions

Course Materials

Getting to Know ArcGIS® for Desktop, Third Edition. Michael Law, Amy Collins., 2013, ISBN-10: 158948308, ISBN-13: 978-1589483088., ESRI Press

Handouts and other course work provided in class

Instructor: Coastal Resource Mapping
Length: 5 days
Dates: March 17 - 21, 2014 **Terrace**
 March 3 - 7, 2014 **Prince George**
Time: 8:30am - 4:30pm
Cost: \$1250



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