

MapInfo-Discover for Mineral Exploration - Module 1, February 14-15, 2012, Vancouver

This introductory to intermediate level course consists of a series of lectures and hands-on exercises using geological data and a workbook for each attendee. **Each attendee requires their own laptop computer, mouse, MapInfo 11.0 and Discover 2011.** No MapInfo or Discover experience is needed. Windows familiarity is mandatory. Evaluation licenses can be provided for those who do not have MapInfo 11.0 and Discover 2011. **Price: CAD \$850 per person + HST**

Course Outline:

- MapInfo Basics
- Geomatics and spatial data concepts - essential knowledge for GIS users.
- Map projections, datums, workspaces and data organization issues
- Manipulating layer display and labels , managing map windows
- Layer Control - keeping track of multiple windows and data layers.
- Designing data tables for effective data storage and retrieval
- Displaying and mapping point data stored in, MS Excel and MS Access
- Basic digitizing skills, positional accuracy issues.
- Importing and displaying data from other programs – AutoCAD, GPS, Shape files, etc.
- Working with raster data – satellite imagery and scanned maps.
- Thematic mapping and queries of mineral deposit and geochemical data – turning data into knowledge.
- Map design, map legends, layout design and printing (layered and geospatial PDF files),

All courses are held at McElhanney's office. 100-780 Beatty St. Vancouver, BC.

Course hours are 8:30 am to 4:30 pm daily. Payment required before registration is confirmed.

MapInfo-Discover for Mineral Exploration - Module 2, February 16-17, 2012. Vancouver

This intermediate to advanced level course concentrates on skills required for drillhole projects, and compilation projects involving a variety of surface data. Students who take this course will be well prepared for the Discover 3D course. Students should be familiar with the course content of Module-1. **Each attendee requires their own laptop computer, mouse, MapInfo 11.0 and Discover 2011.** Evaluation licenses can be provided for those who do not have MapInfo 11.0 and Discover 2011. **Price: CAD \$850 per person + HST**

Course Outline:

- Colour tables (Developing and using a reference table for standard lithology colours and patterns)
- Designing a drillhole database. Updating tables and sections with new data. Identifying and fixing common drillhole database errors
- Drillhole surveys and map coordinate systems - issues and common errors.
- Creating cross-sections and plan views - Turning tables of data into maps and sections. Managing cross-sections and plan views. Display down-hole data.
- Scaled plan and section plotting - Designing and creating hardcopy and PDF plots
- Creating a custom coordinate system – work with data stored in UTM and local property/mine grid projections.
- Satellite imagery and Digital Elevation Models – How they can be used to identify and fix data location issues.
- SQL queries for drill hole and surface data. Linking map objects to an Access database
- Coordinate system transformations - Incorporating vector data, e.g. CAD files, in "unknown" coordinate systems.
- Geological Maps – advanced digitizing and working with structural data – time saving methods
- Dealing effectively with large numbers of text labels (essential for assessment report maps)
- Gridding and contouring, geochemistry statistics and point classification
- Working with Geosoft geophysical data grids and other grid file formats
- MapInfo and Google Earth

Lunch provided by McElhanney.

Attendee's Name(s): _____
 Company: _____
 Address: _____
 Telephone: _____ E-Mail: _____
 Courses Requested: MapInfo-Discover 1 _____ MapInfo-Discover 2 _____
 Credit Card Type: _____ Visa _____ Mastercard Expires: _____
 Card Number: _____ Name on card: _____

Fax to: 604-683-4350 **E-Mail:** amcintosh@mcelhanney.com or icole@mcelhanney.com **Phone:** 604-683-8521

Cancellation Deadline, 2 PM, Pacific Time, Feb 9, 2012. 50% of course fee may be retained for late cancellations. Software, including evaluation licenses, must be installed before coming to class. Priority registration is given to people taking both courses.



Course Requirements

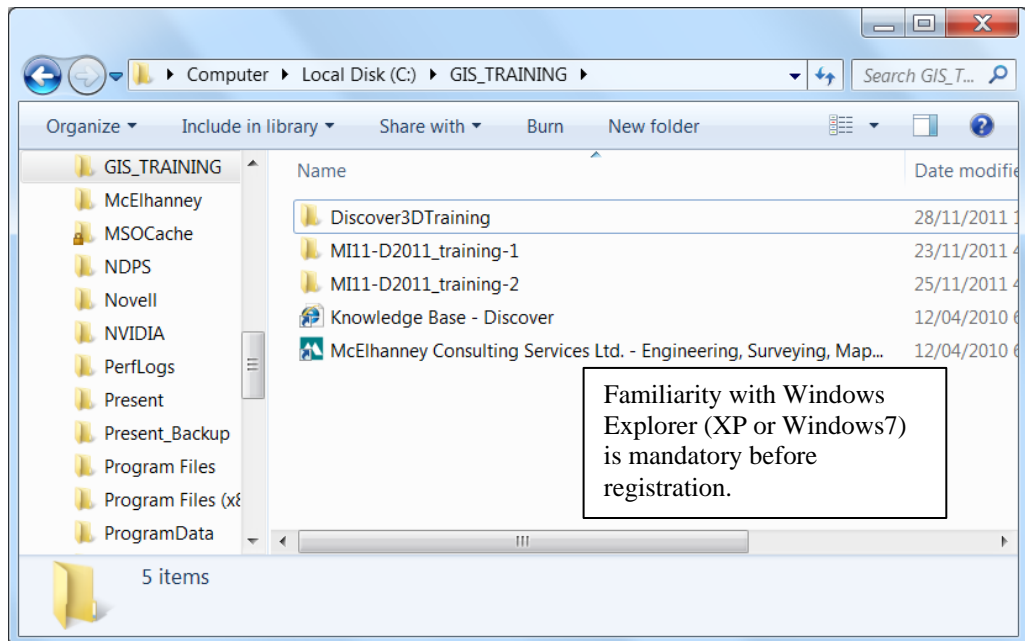
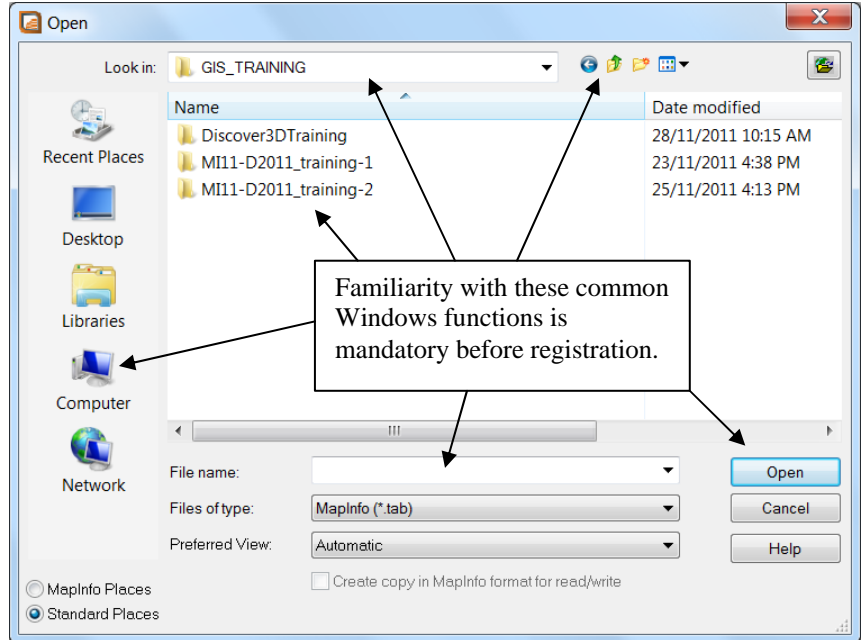
Attendees must be at the course location by 8:30 AM. Software cannot be installed by the instructor during class time.

MapInfo 11 and Discover 2011 software must be installed before coming to class. The course cannot be delayed for students who arrive late or without the required software installed.

Students are required to be familiar with the use and functions of the Windows operating system. In particular, students should be very familiar with **Windows Explorer** (not the same as Internet Explorer). If you do not use Windows Explorer

regularly it is highly likely that you do not have the prerequisite computer skills required for this course. The two windows shown on this page represent common windows tools that all students should already be very familiar with. They are not specific to MapInfo software. As all attendees should already be familiar with the use of these tools, the course does not include lessons in their use. If you are not familiar with these tools please do not register for these courses.

Failure to meet these requirements will result in a disruption to the class and will interfere with the learning experience of other students.



I have read and understand these course requirements, _____

Date, _____