

GEOVIA GEMS FOUNDATION FOR GEOLOGISTS (5 DAYS)

The GEMS™ Foundation for Geologists course is a comprehensive five-day course designed for new users. It covers basic database management concepts; data entry and editing; drillhole, point, polyline, and triangulation display; report generation; and data manipulation, filtering, drillhole compositing, statistics, gridding and contouring, geological interpretation, 3D modelling, tonnes and grade calculations and validation techniques.

In addition to plot generation on plans and sections, other common tasks encountered in an exploration or mining environment, such as data analysis and surface creation, will also be briefly covered. GEMS courses are designed to provide theory through lecture-style classes, augmented by hands-on exercises.

COURSE PREREQUISITES

Before taking this course, you require the following:

- Knowledge of Windows® 2000, XP, Vista® or Windows 7 Operating System
- Knowledge of basic functions in GEMS
- Basic understanding of GEMS data object types

The GEMS menu structure and graphical user interface (GUI) are similar to most Windows-based packages and therefore a basic knowledge of the Windows operating system and environment is necessary.

EXPECTED OUTCOMES

Upon completion of this course, you will be able to accomplish the following:

- Create a new project in GEMS
- Customise your graphical area to suit your working needs
- Create, add and modify workspaces

- Set up profiles for all parameters in the system
- Add and modify section view
- Load and display drillholes in the graphical work area
- Filter data from the workspace
- Manipulate data in the workspace
- Grid and contour surface geochemistry
- Composite drillhole data in preparation for geological interpretation
- Digitize and edit geological interpretation on screen
- Create simple solid and surfaces using a variety of methods
- Report quick global grade and tonnes reports
- Perform univariate and multivariate analysis of the data
- Create points and polylines
- Plot all displayed data
- Use drillhole data to create basic surfaces
- Digitise simple 3D rings from the interpreted drillhole data and use to create a solid
- Composite and extract samples for statistical analysis
- Carry out basic statistics and drillhole data
- Display block model data
- Knowledge of power of polygons for resource calculations in GEMS

If a desired expected outcome is not listed above, please contact us to learn more about how we can tailor training to meet your needs.

FOR MORE INFORMATION AND REGISTRATION

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