

# GEOVIA GEMS MINE SURVEY

## (2 DAYS)

The GEMS™ Mine Cut Evaluation course is an intermediate two-day course designed for surveyors who are responsible for activities required to operate and manage a mine such as an open pit or underground operation. Such activities include daily determination of the location of worked faces, dig limits, blastholes, etc., as well as periodic production of maps and calculation of moved volumes. Students will be taken through the creation and sequencing of the cuts and the subsequent reporting of the grade, tonnage and product for these.

### COURSE PREREQUISITES

Before taking this course, you require the following:

- Knowledge of Windows® 2000, XP, Vista® or Windows 7 Operating System
- Successful completion of GEMS Foundation, GEMS Geological Modelling and GEMS Block Modelling courses
- Knowledge of polygon and polyline tools
- Knowledge of block modelling and volumetrics concepts
- Knowledge of CAD tools

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 and manage cut evaluation workspaces
- Design cut polygons on specific layers and be able to apply geometry rules to create new polygons
- Attach attributes to the mine cut polygons
- Sequence the mine polygons in the order that they will be mined out
- Develop multiple scenarios for different target tonnages or grade
- Report interactively using the information window or use Excel for the final report of the volumes, tonnages, and grades
- Develop the framework to report out volumes and tonnages based on various rock groups or grade groups

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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More courses: [www.3ds.com/GEOVIA/Training](http://www.3ds.com/GEOVIA/Training)

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