

# GEOVIA GEMS OPEN PIT DESIGN

## (2 DAYS)

The GEMS™ Open Pit Design course is a two-day course designed for mine engineers who are responsible for activities that require them to design and manage pit designs. Such activities include designing pits, ramps, pit pushbacks and dumps. In addition to these activities, other mine engineering tasks such as volumetrics of ore and concentrate stockpiles within the pit design will be investigated.

### 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 course
- Knowledge of polyline 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 a new project in GEMS
- Create workspaces for pit design
- Assign parameters to design that define berm width, pit slope angle and batter angle
- Create final pit designs complete with toes, crests, ramps, switchbacks and slots
- Create a valid surface triangulation from the pit design
- Obtain volumes, tonnages and grades reported by bench, rock type and grade range from the pit design.

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

Phone: +1 (866) 560.5846

Email: [GEOVIA.NAM.Training@3ds.com](mailto:GEOVIA.NAM.Training@3ds.com)

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

**Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.**

Dassault Systèmes, the 3DEXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit [www.3ds.com](http://www.3ds.com).

