

GEOVIA Surpac Course Catalog EMENA

Europe, Middle East and North Africa



3DEXPERIENCE®

ABOUT OUR TRAINING COURSES

Dassault Systèmes offers a wide range of GEOVIA training courses designed to suit all levels of mining professionals, from Geologists and Engineers through to Technical and Project Managers. Whether you're an experienced user or just starting out in your career, our training courses will enable you to get the most out of your GEOVIA products.

CLASSROOM TRAINING IN UK

Our Classroom Training courses are conducted at Dassault Systèmes UK Head Office in Coventry.

The dates for GEOVIA Classroom training course are flexible and are determined by market demand. For further information on a course or to find out when the course you are interested in is being run, please email us at GEOVIA.EU.training@3ds.com or call +44 (0) 2476 857 400 and ask for GEOVIA Training.

ONSITE – CUSTOMISED TRAINING

We are often asked to conduct training onsite for many of our clients - where groups of users requiring training make this a cost effective training solution. If you would like customized onsite training tailored to your operation's needs, please contact using the information below.

SERVICES

As well as training services, Dassault Systèmes can help your mining operation with a full range of geology, engineering, planning and operational support services. For more information, please [click here to visit our Services information page](#).

CONTACT US

For all **TRAINING ENQUIRIES**

Email: GEOVIA.EU.Training@3ds.com

Tel: +44 (0) 2476 857 400 and ask for GEOVIA Training

For all **SERVICES ENQUIRIES**

Email: GEOVIA.EU.Services@3ds.com

Tel: +44 (0) 2476 857 400 and ask for the GEOVIA Services Team

Surpac Introduction	
Course Code	N/A
Available	On-site UK Classroom on demand
Duration	3 days
Course Material	English
Level	Fundamental
Audience	<i>Designed for New Users</i>
Description	<p>It covers concepts and procedures that will allow the user to perform basic functions in the software, and will serve as a basis for good working methodology and processes in Surpac.</p>
Objectives	<p>Upon completion of this course, you will be able to accomplish the following:</p> <ul style="list-style-type: none">• Install and license Surpac• Understand the fundamental concepts of the software• Customise the interface to user preferences• Use the available visualisation and CAD tools to import, create, edit and display data• Create points, lines and surfaces• Use data mathematical manipulation tools• Interact with surfaces• Generate volume calculations from surfaces• Create simple plots
Prerequisites	<p>Before taking this course, you require the following:</p> <ul style="list-style-type: none">• Background in mining, surveying or geological sciences• Knowledge of file management• Knowledge of ASCII format files and Microsoft® Excel® <p>The Surpac 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.</p>

Surpac Geology Tools	
Course Code	N/A
Available	On-site or UK Classroom on demand
Duration	3 days
Course Material	English
Level	Fundamental & Intermediate
Audience	Designed for New & Existing Users
Description	It focuses on geological concepts and processes within the software. The course will provide users with an understanding of modelling methods that can be applied by geologists in their everyday work.
Objectives	<p>Upon completion of this course, you will be able to accomplish the following:</p> <ul style="list-style-type: none"> • Understand data types and concepts involved in geological modelling tasks • Create and manage geological drillhole databases • Import, analyse and report information from geological drillhole databases • Display and interact with drillhole databases • Perform simple grade control calculations from polygons • Interpret data on section to model effectively • Create, edit and report volume of solids • Create, display, populate and report block models • Create drillhole and bench composites • Perform grade control calculations from blast polygons • Create plots • Create sections for viewing all data types • Interpret data on section to model effectively • Solid modelling and editing • Basic resource estimation
Prerequisites	<p>Before Before taking this course, you require the following:</p> <ul style="list-style-type: none"> • Knowledge of file management • Knowledge of ASCII format files and Microsoft® Excel® • Knowledge of geological science <p>The Surpac 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.</p>

Surpac Surface Engineering Tools	
Course Code	N/A
Available	On-site or UK Classroom on demand
Duration	4 days
Course Material	English
Level	Fundamental & Intermediate
Audience	Designed for New & Existing Users
Description	It covers concepts and procedures that will allow the user to perform basic functions in the software, and will serve as a basis for good working methodology and processes in Surpac.
Objectives	<p>Upon completion of this course, you will be able to accomplish the following:</p> <ul style="list-style-type: none"> • Use the suite of CAD and automatic design tools to create complex pit, waste dump, dam, and ramp designs • Apply spatial, economic and geological constraints into the design process • Create advanced in-situ mineral reserve reports • Produce fully engineered surface road designs • Design and report comprehensive production and ramp development blast hole layouts including pre-split or smooth blasting holes • Produce detailed bench cut and blast layout plans • Automate repetitive tasks to increase efficiency
Prerequisites	<p>Before taking this course, you require the following:</p> <ul style="list-style-type: none"> • Good understanding of basic Surpac concepts and functionality including: <ol style="list-style-type: none"> a. Data display and management b. String files c. CAD tools d. DTM surfaces e. Block modelling f. Plotting • Knowledge of ASCII format files and Microsoft® Excel® • Previous exposure to the surface mining / quarrying industry

Surpac for Industrial Minerals	
Course Code	N/A
Available	On-site or UK Classroom on demand
Duration	5 days
Course Material	English
Level	Intermediate & Advanced
Audience	Designed for Existing Users - geologists, mining engineers and quarry managers
Description	The course will provide users with a good understanding of how Surpac tools can be applied to perform common geological and engineering tasks in a quarrying operation.
Objectives	<p>Upon completion of this course, you will be able to accomplish the following:</p> <ul style="list-style-type: none"> • Visualise and report geological and quarry design information • Import, manipulate and report drillhole information • Complete fundamental geological modelling tasks • Create and estimate resource block models • Generate basic quarry designs • Produce comprehensive plots for geological and quarry design data
Prerequisites	<p>Before taking this course, you require the following:</p> <ul style="list-style-type: none"> • Good understanding of basic Surpac concepts and functionality including: <ol style="list-style-type: none"> a. Data display and management b. String files c. CAD tools d. DTM surfaces e. Plotting • Knowledge of file management • Knowledge of ASCII format files and Microsoft® Excel® • Background in geological sciences or mining engineering • Exposure to the industrial minerals sector

Surpac - Advanced Resource Estimation and Geostatistics	
Course Code	N/A
Available	On-site or UK Classroom on demand
Duration	4 days
Course Material	English
Level	Advanced
Audience	Designed for Existing Users – Resource Geologists
Description	<p>The course is for resource geologists who want to become familiar with resource estimation and classification techniques. It includes drillhole database management, compositing, geostatistical analysis, variography, block modelling and estimation methods (nearest neighbour, inverse distance, kriging and indicator kriging). This course will also explore different methods of categorising and reporting resources.</p>
Objectives	<p>Upon completion of this course, you will be able to accomplish the following:</p> <ul style="list-style-type: none"> • Understand importance of geology and domaining • Appreciate volume-variance effect • Advanced data validation and analysis techniques • Comprehension of variography • Understanding of different methods of estimation, including inverse distance and the various applications of kriging • Model validation and practical resource classification techniques
Prerequisites	<p>Before taking this course, you require the following:</p> <ul style="list-style-type: none"> • Good understanding of basic Surpac concepts and functionality including: <ol style="list-style-type: none"> a. Data display and management b. String files c. DTM surfaces d. Solids modelling e. Block modelling • You must be comfortable working with the Surpac Database and Block Model components

