

GEOVIA Whittle™ Strategic Mine Planning Advanced (3 days)



The GEOVIA Whittle™ Advanced Strategic Planning Course is designed for experienced users of Whittle who want to take their knowledge to the next level. The course will focus on the advanced scheduling techniques available in Whittle that can add further value to your project. It features hands-on training using the software to solve real-world mine planning problems.

COURSE PREREQUISITES

- Knowledge of file management
- Understanding of ASCII format files and Microsoft® Excel®
- Good knowledge of block modeling concepts and functionality in GEOVIA Surpac™, GEOVIA GEMS™ or another mine planning package
- Solid understanding of Whittle basic concepts and functionality
- Basic knowledge of the Windows operating system and environment is necessary as the Whittle menu structure and graphical user interface (GUI) are similar to most Windows-based packages.

EXPECTED OUTCOMES

Upon completion of this course, users will:

- Create realistic schedules honoring practical mining constraints and limits
- Improve the value of mining projects through strategic scheduling
- Use Whittle to determine when and where it is best to transition from an open pit to an underground mine

- Use Mineral Resource classification and/or NSR attributes
- Define cut-off grade and stockpile strategies to enhance the value of the project
- Reduce the effects of deleterious elements on processing using pre-process blending
- Use blending techniques to reduce the amount of sub-grade ore that is not processed

If a desired expected outcome is not listed above, please contact GEOVIA Training for a detailed list of course deliverables and to discuss tailored training.

COURSE STRUCTURE FLOW

Concepts	Topics
Basic schedule creation overview	Create basic LOM schedules for different constraints and operational limits
Make schedules practical	Use of Whittle scheduling tools and techniques to generate practical, realistic and high-NPV schedules
	Use Mineral Resource classification attributes in pit optimizations and LOM schedules
Evaluate options to improve the project value	Applying constraints
	Use Whittle scheduling tools and techniques to generate practical, realistic, and high-NPV schedules
Advanced tools and techniques	Manipulate cut-off values to improve value
	Use and optimize stockpiles to further improve value
	Exporting optimization data and results
	Import / Export surfaces
Showcase of further capabilities	Showcase Multi-pit Optimization
	Showcase SIMO (Simultaneous optimization) to extract extra value
	Showcase value of Robust SMP
Exercise	Participant Exercise / Exam
Open session	Q&A

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