1-DAY ADVANCED WORKSHOP
SVDESIGNER™ & SVSLOPE® TRAINING

November 27, 2018 | 8:30am - 4:30pm
Liu Institute Case Room, UBC, Vancouver, BC, Canada

https://soilvision.com/vancouver_short-course
Overview

SVDESIGNER™ is a powerful new 3D conceptual modeler and visualization tool for the geotechnical and hydrogeological fields. One of the most difficult aspects of designing three-dimensional models is the manipulation of three-dimensional geometry. Whether it is the representation of complex geo-strata or the representation of geotechnical designs such as roads, embankments, or tailing dams – such structures are often most suited for three-dimensional analysis but are difficult to describe to the computer. SVDESIGNER™ is a three-dimensional conceptual design tool for geotechnical engineers. It can import three-dimensional geometry in most standard formats such as AutoCAD DXF files.

Our newly released 2nd Generation SVSLOPE® is the most advanced 3D Slope Stability Analysis Software available. Advanced searching methods are implemented to correctly determine the location of the critical slip surface. Powerful 2D or 3D analysis is possible for increased accuracy in the calculation of the factor of safety. Advanced probabilistic analysis or accommodation of spatial variation is possible with the software. SVSLOPE® can be combined with SVFLUX™ to import pore-water pressures or SVSOLID™GT to import soil stress conditions.

The course is designed for practicing geotechnical and mining engineers that want to utilize the benefit of 3D numerical modeling for increasing the capabilities of their consulting firm or university research. The course also introduces the new SVOFFICE™5/GT Geotechnical Analysis Suite, which brings new and improved cutting edge 3D analysis capabilities to the practicing geotechnical engineer. Participants are required to bring their own laptops to the course. They will be provided with copies of the SVOFFICE™5/GT software to follow along during the short course. 50% of the cost of the short course can be applied to subsequent software purchases made within the following 6 months.

Key Topics

- Focus on mining solutions
- 3D stability analysis of tailings dams and open pits
- Focus on Limit Equilibrium Methods (LEM)
- Simplified 3D model creation in minutes or hours
- Handling complex intersecting geo-strata and topology and using material volumes in 3D models

Who Will Benefit

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Course Schedule

SVDESIGNER™ & SVSLOPE®

(AM) - SVDESIGNER™
- SVOFFICE™5/GT - What’s changed?
- Conceptual model design using SVDESIGNER™
- Managing complex 3D geometry
- Example 3D conceptual model of tailings dam and facility

(PM) - SVSLOPE®
- Overview of 3D slope stability analysis - why do it?
- Basic theoretical overview of 3D slope stability analysis
- What are typical variations between a 2D and a 3D analysis?
- Earth slope 3D slope stability analysis
- Open pit: 3D slope stability analysis

Cost: $765 USD
(Student and Government Discounts Available)

For more information or to register:

+1.306.477.3324  contact@soilvision.com

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