

Soil and Rock Slope Stability Seminar

June 21 - 22, 2018, Seattle, WA

Instructors

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Seminar Description

The two-day seminar (1.4 CEU, or 14 PDHs) will target three main areas of interest related to slopes:

- Collecting and evaluating geologic and geotechnical data.
- Analytical methods for soil and rock slopes.
- Stabilization methods.

Learning Outcomes

Upon completion of this seminar, you will be able to:

- Understand fundamental geotechnical testing and analysis methods needed to characterize soil properties and gain experience in slope stability analysis using the Method of Slices.
- Understand the basic geotechnical tools used in rock slope engineering and identify the three key steps in a rock slope stability analysis.
- Gain an introduction to the use of available instrumentation for monitoring the behavior of slopes and to the influence of earthquakes on slopes and the procedures available for seismic analysis.
- Develop an introductory familiarity with computer software and analysis methods used to investigate slope stabilization options.

Who Should Attend?

This course is for professionals seeking a more quantitative analysis of slope stability and relevant stabilization methods. Best suited for civil engineers, consultants, engineering geologists, soil scientists, city and public works officials, and other design professionals who address construction related slope stability and stabilization issues.

Summary Outline

DAY 1, 8:00 – 5:00

- Soil Slope Data
- Rock Slope Data
- Infinite Slope Concepts
- Soil Slope Analysis I
- Rock Slope Analysis I

DAY 2, 8:00 – 4:00

- Soil Slope Analysis II
- Rock Slope Analysis II
- Geotechnical Instrumentation
- Seismic Analysis of Slopes
- Stabilization Methods

Seminar Location

Crowne Plaza Hotel Seattle-Downtown
1113 6th Ave, Seattle, WA 98101-3002
(206) 464-1980

For more information and to register, visit the ASCE web site: <http://mylearning.asce.org/diweb/catalog/> and search for “Soil and Rock Slope Stability”, or click the link: “[Soil and Rock Slope Stability](#)”.