

Agenda

Slope Mechanics and Movement

Types of slope movement and instability

- Rock fall and rockslides
- Slump
- Mudslides

Analyzing the stability of slopes

Slope stability concepts

- Reviewing geologic conditions
- Examining soils and topography
- Evaluating surface and groundwater conditions
- Common causes of landslides

Evaluating types of slopes

- Natural slopes
- Engineered slopes

Methods of slope stability analysis

Slope Stabilization Methods

Use of vegetation

Surface protection

Unloading

Buttressing

Draining

Reinforcing

Installing earth retention structures

Rock slope stabilization

Geosynthetics

Slope monitoring instruments and monitoring

Can't Attend? Order the Manual and the Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$269. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Slope Stabilization and Landslide Prevention

Boise, ID - Wednesday, April 17, 2019



Halfmoon Education Inc.
PO Box 278
Altoona, WI 54720-0278

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Learning Objectives

You'll be able to:

Understand types of slope movement and causes of instability.

Examine factors that impact slope stability, including topography, soils, surface water and groundwater.

Discuss the stability of natural and engineered slopes.

Use slope stabilization techniques, including vegetation, unloading, buttressing, draining and reinforcing.

Review techniques for rock slope stabilization.



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Learn about slope mechanics and review types of slope movement and instability

Analyze the stability of slopes

Examine slope stability factors, including surface and groundwater conditions

Evaluate the use of draining, reinforcing and earth retention structures to stabilize slopes

Discuss methods of monitoring slope stability

Continuing Education Credits

Professional Engineers
7.0 PDHs

Landscape Architects
7.0 LA/CES HSW PDHs

Architects
7.0 HSW CE Hours
7.0 AIA HSW Learning Units

Floodplain Managers
7.0 ASFPD CECS

Contractors
Non-Credit Continuing Ed.

Geologists
7.0 PDHs



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Clint Wyllie, G.I.T.
Staff Geologist, Materials Testing and Inspection (MTI), LLC, in Boise

Mr. Wyllie works as a staff geologist for Materials Testing & Inspection (MTI) in Boise. He started working with MTI in May of 2016 after attending Boise State University. Mr. Wyllie’s responsibilities at MTI include performing geotechnical investigations and preparing corresponding geotechnical engineering reports, with a focus on hillside development. He has worked on numerous slope stabilization projects in the Boise area as well as other parts of the Pacific Northwest.

David O. Cram, P.E., M.ASCE
Professional Geotechnical Engineer, Materials Testing and Inspection (MTI), LLC in Boise

Mr. Cram is a senior engineer and principal of Materials Testing and Inspection (MTI), LLC. He started MTI in June of 1994. Prior to this, Mr. Cram worked at Materials Testing Corporation as a staff engineer performing construction inspection/testing and geotechnical investigations throughout the northwest. He completed undergraduate engineering course work at Boise State University and the University of Idaho, and graduate level course work from University of Idaho and University of Missouri-Rolla, with an emphasis in Geotechnics. Mr. Cram is a member of Geoprofessional Business Association, the American Society of Civil Engineers and the National Society of Professional Engineers. He has over 29 years of construction and geotechnical engineering experience, with specialized expertise in dealing with constructability issues pertaining to challenging site soil conditions.

Jacob Schlador, P.E.
Geotechnical Engineer, Materials Testing and Inspection (MTI), LLC in Boise

Mr. Schlador is a geotechnical engineer at Materials Testing and Inspection, an Atlas Company. He started at MTI in May of 2014, after studying Civil Engineering at Gonzaga University. Mr. Schlador has worked on many different commercial projects as a geotechnical engineer and conducting special inspections. He has worked on many different design teams around the greater Boise area. Mr. Schlador has over four years of geotechnical and construction experience.

Seminar Information

Hilton Garden Inn Boise Spectrum
7699 West Spectrum Street
Boise, ID 83709
(208) 376-1000

Tuition
\$289 for individual registration
\$269 for three or more registrants from the same company at the same time.

Registration
8:00 - 8:30 am
Morning Session
8:30 - 11:45 am
Lunch (On your own)
11:45 am - 12:45 pm
Afternoon Session
12:45 - 5:00 pm

Included with your registration: *Complimentary continental breakfast and printed seminar manual.*

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects in most states, including Idaho. Educators and courses are not subject to preapproval in Idaho.

This program also offers a non-credit continuing education opportunity to Idaho landscape architects, geologists and contractors. The Landscape Architecture Continuing Education System has approved this course for 7.0 HSW PDHs. Only full attendance can be reported to the LA/CES.

This course is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects and landscape architects.

The Association of State Floodplain Managers has approved this program for 7.0 ASFPM CECs.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Additional Learning

Webinar Series

National Electrical Code

- **National Electrical Code, Part I**
Wed., March 6, 2019, 11:00 AM - 3:30 PM CST
- **National Electrical Code, Part II**
Thurs., March 7, 2019, 11:00 AM - 3:30 PM CST
- **National Electrical Code, Part III**
Fri., March 8, 2019, 11:00 AM - 3:30 PM CST

Commercial Solar Peaker Batteries

- **Commercial Solar Peaker Batteries, Part I**
Wed., March 13, 2019, 11:00 AM - 3:15 PM CDT
- **Commercial Solar Peaker Batteries, Part II**
Thurs., March 14, 2019, 11:00 AM - 2:15 PM CDT

For more information visit:
www.halfmoonseminars.org/webinars/

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Registration

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Boise, ID - Wednesday, April 17, 2019

How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____
Phone: 715-835-5900	Company/Firm: _____
	Address: _____
Fax: 715-835-6066	City: _____ State: _____ Zip: _____
	Occupation: _____
Code:	Email: _____
	Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	Additional Registrants:
	Name: _____
Complete the entire form. Attach duplicates if necessary.	Occupation: _____
	Email: _____
	Phone: _____
	Name: _____
	Occupation: _____
	Email: _____
	Phone: _____
	Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.
() I need special accommodations. Please contact me.	

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.

() **I am not attending.** Please send me the self-study package:

- ☐ Downloadable MP3 Audio/PDF Manual for **\$269.00**.
- ☐ CD/Manual Package for **\$289.00**.

(S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____

Expiration Date: _____ CVV2 Code: _____

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Email: _____