Agenda

Presented by Jeffrey L. Snyder, PE

Types of Slopes and Failures
- Natural slopes
- Engineered slopes
- Creep failures
- Rock slides – fall/topple failures
- Rotational, translational, multiple/compound failures
- Spread and flow failures
- Typical causes of slope failures

Brief Overview of Soil Mechanics
- Soil effective pressure
- Soil shear strength
- Drained vs. undrained strength

Slope Stability Evaluation
- Understanding geology and site conditions/topography
- Evaluating surface and groundwater conditions
- Instrumentation
- Basic concepts of slope stability evaluation
- Limit equilibrium analysis
- Stability computer programs (includes demonstration)

Slope Stabilization Methods
- Use of vegetation
- Surface protection
- Unloading
- Buttressing
- Drainage
- Reinforcing
- Earth retention structures
- Geosynthetics
- Rock slope stabilization
- Shoreline management

Slope Stabilization Case Studies

Can't Attend? Order the Webinar as an On-Demand Package!
Recordings of this webinar are available for purchase. See course listing online 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
Live, Interactive Webinar - Friday, February 23, 2024

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

Learning Objectives

You'll be able to:

Learn about different types of slope failures, including creep failures, rock slides, rotational failures and spread and flow failures.

Get a short review of soil mechanics, including explanations of soil effective pressure and soil shear strength.

Evaluate slope stability by considering the impact of geology, site conditions, topography, and the presence of surface and groundwater.

Explore slope stabilization methods, including earth retention structures, geosynthetics, and the use of vegetation and site drainage.

Review slope stabilization case studies.

HalfMoon Education Live Webinars

Slope Stabilization and Landslide Prevention

Live, Interactive Webinar - Friday, February 23, 2024

Analyze types of slopes and common types of slope failures

Understand a brief overview of soil mechanics

Discuss geology and site conditions/topography

Evaluate slope stabilization methods, including unloading, buttressing, drains and reinforcements

Learn from slope stabilization case studies

Continuing Education Credits

Professional Engineers
6.5 PDHs

Architects
6.5 HSW CE Hours
6.5 AIA LU|HSW

Landscape Architects
6.5 HSW CE Hours
LA CES Pending

International Code Council
.65 CEUs (Sitework)

Floodplain Managers
6.5 ASFPM CECs

AIA Continuing Education Provider

ICC PREFERRED EDUCATION PROVIDER

HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG

Webinar Information

Log into Webinar
8:30 - 9:00 am CST

Break
1:00 - 1:30 pm CST

Morning Session
9:00 am - 1:00 pm CST

Afternoon Session
1:30 - 4:30 pm CST

Tuition

$319 for individual registration.
$289 for two or more registrants from the same company at the same time.

Included with your registration: *PDF seminar manual.*

How to Register

- Visit us online at www.halfmoonseminars.org
- Call customer service at 715-835-5900

Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For more information, please visit our FAQ section of our website, or visit www.gotowebinar.com.

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

Learn More and Register:
www.halfmoonseminars.org
Customer Service (715) 835-5900 Ext. 1

or scan here

Can't Attend? Order the Webinar as an On-Demand Package!
Recordings of this webinar are available for purchase. See details online 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.

Faculty

Jeffrey L. Snyder, PE *Senior Geotechnical Engineer at GHD Services, Inc.*
Mr. Snyder is a geotechnical professional for transportation, commercial, industrial and municipal projects throughout the upper Midwest including in Ohio, Michigan, Illinois, Indiana, Pennsylvania, and Kentucky. He provides analyses and recommendations for shallow and deep foundation systems as well as landslide evaluation and remediation. He has co-authored several papers on lateral loading behavior of driven pile foundations. Mr. Snyder earned his B.S. and M.S. degrees in Civil Engineering from Brigham Young University.

Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers, 6.5 HSW continuing education hours for licensed architects, and 6.5 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.5 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved HalfMoon Education as a sponsor of continuing education. This course has been submitted for LA CES approval and is currently pending. Only full participation is reportable to the LA CES.

Visit this course listing at www.halfmoonseminars.org for updates on pending credits.

The International Code Council has approved this event for .65 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

This Association of State Floodplain Managers has approved this course for 6.5 CECs for floodplain managers.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits
The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:
6.5 HSW LUs (AIA), 6.5 HSW PDHs (LA CES), 6.5 ASFPM CECs

Additional Learning

How to Design and Construct a Cantilever Retaining Wall
- Monday, January 29, 2024 | 1:00 - 3:00 pm CST

Designing Accessible Pedestrian Facilities under ADA, IBC and PROWAG
- Tuesday, January 30, 2024 | 8:30 - 11:45 am CST
- Wednesday, January 31, 2024 | 8:30 am - 12:15 pm CST

Managing Construction Projects
- Tuesday, January 30, 2024 | 9:00 am - 5:00 pm CST

Parking Structure Design, Construction and Maintenance
- Friday, February 2, 2024 | 9:00 am - 4:30 pm CST

Innovative Onsite Wastewater Treatment Systems
- Wednesday, February 7, 2024 | 9:00 am - 5:00 pm CST

Tiny House Design and Construction
- Wednesday, February 7, 2024 | 9:00 am - 5:15 pm CST

Urban Street Design
- Wednesday, February 7, 2024 | 9:00 am - 4:30 pm CST

Restoring Natural Areas in Urban Areas
- Wednesday, February 14, 2024 | 8:30 am - 5:00 pm CST

Handling Archaeological Issues on Construction Projects
- Thursday, February 15, 2024 | 9:00 am - 12:15 pm CST

How to Obtain, Interpret, and Change a FEMA Flood Map
- Friday, February 16, 2024 | 12:00 - 3:15 pm CST

Confronting Both Climate Change and Sea Level Rise: An Action Plan for Our Planet
- Tuesday, February 20, 2024 | 8:30 - 11:50 am CST
- Wednesday, February 21, 2024 | 8:30 - 11:50 am CST

Culvert Design and Construction
- Tuesday, February 20, 2024 | 9:00 am - 4:30 pm CST

Roadmap to Ethical Issues in Construction: A Primer for Design Professionals
- Wednesday, February 21, 2024 | 11:00 am - 1:00 pm CST

Stream Restoration in the Eastern U.S.
- Wednesday, February 21, 2024 | 7:30 am - 3:30 pm CST

For more information and other online learning opportunities visit:
www.halfmoonseminars.org