

Credit Information

Continuing Education Credit Information

These webinars each offer 2.0/3.0 PDHs to professional engineers and 2.0/3.0 HSW continuing education hours to architects in all states. These webinars offer 2.0/3.0 HSW continuing education hours to landscape architects licensed in all states, except Florida, New Jersey, or North Carolina.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina (S-0130), and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York engineers, architects, and landscape architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2), §69.6(i)(2), and §79-1.5(i)(2)). Courses approved by the AIA/CES qualify for Florida and New Jersey architects. Other states do not preapprove continuing education providers or courses.

These courses have been approved by the American Institute of Architects Continuing Education System for 2.0/3.0 LU | HSW (Sponsor No. J885) and the Landscape Architect Continuing Education System for 2.0/3.0 HSW PDHs. Only full participation is reportable to the AIA/CES and LA CES.

The Association of State Floodplain Managers has approved these courses for 2.0/3.0 CECs.

These courses are approved by the International Code Council for .2/.3 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Can't Attend? Order the Webinar as a Self-Study Package!

Recordings of these webinars are available for purchase. See course listings 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. Self-study packages do not qualify for AIA or LA CES credit.

Soil, Slopes and Retaining Walls: An Interactive Workshop October and November, 2021

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Soil, Slopes and Retaining Walls An Interactive Workshop

**Six live webinars for Engineers, Architects,
Landscape Architects, and others.**

Pick and choose which courses apply to you!

Sign up for each course individually or all six at a discounted rate.

To register, please visit us online at:

www.halfmoonseminars.org

Have questions or wish to register by phone?

Give us a call at 715-835-5900 and press 1 for Customer Service.



HalfMoon Education Online Learning

Soil, Slopes and Retaining Walls: An Interactive Workshop



Submit your specific wall and/or slope issues/problems prior to the start of or during the series and the presenter will address your specific issues, project concerns, etc. as it relates to the topic of the week!

1. Soil Testing, Properties and Uses
- Wednesday, October 13, 2021 | 10:00 am - 12:00 pm CDT
2. Retaining Walls and Lateral Earth Pressure
- Wednesday, October 20, 2021 | 10:00 am - 12:00 pm CDT
3. Internal Design of MSE Walls and Geosynthetics
- Wednesday, October 27, 2021 | 10:00 am - 1:15 pm CDT
4. Unreinforced Slope Stability Analysis
- Wednesday, November 3, 2021 | 10:00 am - 12:00 pm CDT
5. How to Design a Reinforced Slope
- Wednesday, November 10, 2021 | 10:00 am - 12:00 pm CST
6. Best (and Worst) Practices for Retaining Wall
Success and Interactive Workshop
- Wednesday, November 17, 2021 | 10:00 am - 1:15 pm CST

Total Series Continuing Education Credits

Professional Engineers: 14.0 PDHs Architects: 14.0 HSW CE Hours
AIA: 14.0 LU | HSW Landscape Architects: 14.0 HSW CE Hours
LA CES: 14.0 HSW PDHs Floodplain Managers: 14.0 ASFPM CECs
International Code Council: .14 CEUs (Sitework)



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***Each course can be registered for individually.
Attend all six for \$550!***

Please visit www.halfmoonseminars.org to register and look for the Soil, Slopes and Retaining Walls Webinar Series, or call our Customer Service Department at (715) 835-5900.

Soil Testing, Properties and Uses

Wednesday, October 13, 2021 | 10:00 am - 12:00 CDT

Tuition: \$100 per registration

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW Landscape Architects: 2.0 HSW CE Hours LA CES: 2.0 HSW PDHs
Floodplain Managers: 2.0 ASFPM CECs International Code Council: .2 CEUs (Sitework)

Agenda:

- Soil properties
- Lab testing of soil
- Field testing of soil
- Preparing and reading soil and test reports
- The different types of soil
- How to select the proper soil test for your specific project/application

21 USOILT 10 13 WEBR LH

Retaining Walls and Lateral Earth Pressure

Wednesday, October 20, 2021 | 10:00 am - 12:00 pm CDT

Tuition: \$100 per registration

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW Landscape Architects: 2.0 HSW CE Hours LA CES: 2.0 HSW PDHs
Floodplain Managers: 2.0 ASFPM CECs International Code Council: .2 CEUs (Sitework)

Agenda:

- Defining “the wall”
- Identifying forces on a retaining wall
- How to account for and resist soil pressure
- How water pressure impacts a retaining wall
- The properties of the soil that contribute to the wall design
- Equations and examples

21 USRTWLEP 10 20 WEBR LH

Internal Design of MSE Walls and Geosynthetics

Wednesday, October 27, 2021 | 10:00 am - 1:15 pm CDT (incl. a 15-min break)

Tuition: \$150 per registration

Credits: Professional Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours
AIA: 3.0 LU|HSW Landscape Architects: 3.0 HSW CE Hours LA CES: 3.0 HSW PDHs
Floodplain Managers: 3.0 ASFPM CECs International Code Council: .3 CEUs (Sitework)

Agenda:

- Materials used in construction of an MSE wall
- What constitutes “the wall” when discussing an MSE wall
- Properties of common geosynthetics
- How an MSE wall differs from other wall types
- Discussion of different blocks, reinforcement, and their interaction
- Design code requirements for an MSE wall
- How an MSE wall interacts with other site features such as building and utilities
- Equations, calculations, and examples of internal stability of an MSE wall
- Case histories of MSE wall failures highlighting what NOT to do

21 USIDMSEG 10 27 WEBR LH

Unreinforced Slope Stability Analysis

Wednesday, November 3, 2021 | 10:00 am - 12:00 pm CDT

Tuition: \$100 per registration

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW Landscape Architects: 2.0 HSW CE Hours LA CES: 2.0 HSW PDHs
Floodplain Managers: 2.0 ASFPM CECs International Code Council: .2 CEUs (Sitework)

Agenda:

- Fundamentals of slope instability
- Soil and geological mechanics related to slope instability
- How geologic conditions effect slope stability
- Observations of slope instability
- Construction practices to improve or restore slope stability
- Equations, calculations and example of an unreinforced slope

21 USUSLPSA 11 3 WEBR LH

How to Design a Reinforced Slope

Wednesday, November 10, 2021 | 10:00 am - 12:00 pm CST

Tuition: \$100 per registration

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW Landscape Architects: 2.0 HSW CE Hours LA CES: 2.0 HSW PDHs
Floodplain Managers: 2.0 ASFPM CECs International Code Council: .2 CEUs (Sitework)

Agenda:

- Geosynthetic properties for use in slope stabilization
- Deep seated stability analysis
- Equations, calculations, and example of using geosynthetics to reinforce a slope
- Case histories of deep seated, rotational failures and other slope failures
- Soil properties and conditions that contribute to slope stability
- Material required for the exposed face of the slope to maintain long term stability

21 USH2DRSL 11 10 WEBR LH

Best (and Worst) Practices for Retaining Wall

Success and Interactive Workshop Wrap-Up

Wednesday, November 17, 2021 | 10:00 am - 1:15 pm CST (incl. a 15-min break)

Tuition: \$150 per registration

Credits: Professional Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours
AIA: 3.0 LU|HSW Landscape Architects: 3.0 HSW CE Hours LA CES: 3.0 HSW PDHs
Floodplain Managers: 3.0 ASFPM CECs International Code Council: .3 CEUs (Sitework)

Agenda:

- Preventing problems or wall failures through improved site layout
- Preventing problems or failures through proper wall design techniques
- Commonly overlooked design code requirements related to retaining wall layout and design
- Roles and responsibilities of the design and construction team to ensure structure success
- Typical causes of problems or structure failure
- Recognizing and preventing a problem during construction
- How water (both surface and below ground) affects an earth structure
- What measures to take during construction to ensure long term earth structure success
- Case histories and examples of failed structures

21 USBP4RWS 11 17 WEBR LH

Webinar Series Presented by



Bill Simpson P.E., *Geotechnical Structure Design Specialist at Engineered Earth Solutions, LLC*

Mr. Simpson designs and reviews shop drawings for construction and repair of earth structures in the public and private sectors in all 50 states, and he consistently works on more than 1,200 projects and 10 million square feet each year. He performs site visits for new project reconnaissance, construction verification, and construction assistance. Mr. Simpson manages, supervises, instructs, and mentors a team of staff engineers to ensure strict deadlines are met for construction schedules while ensuring design and analysis accuracy. He works with owners, site designers, and contractors to provide designs which are not only structurally sufficient but also financially responsible. Mr. Simpson earned his B.S.C.E. and M.S.C.E. degrees from Georgia Institute of Technology.

As a bonus to this interactive webinar series, you will have the ability to submit your specific wall and/or slope issues/problems prior to the start of or at any point during the series. The presenter would be thrilled to address your specific issues, project concerns, etc. as it relates to the topic of the week.

Additional Learning

Short Webinar Catalog

Webinars that each take a look at a single subject

Focus on Fire Protection Design

- Wednesday, September 15, 2021 | 3:00 - 5:00 pm CDT

How to Add Assistive Listening Systems to Interior Spaces

- Monday, September 20, 2021 | 8:30 - 10:30 am CDT

Landscaping for Pollinators

- Thursday, September 23, 2021 | 10:00 am - 12:00 pm CDT

Focus On Understanding Federal Wetlands Laws and Enforcement

- Friday, September 24, 2021 | 11:00 am - 2:15 pm CDT

Focus on Flood Insurance

- Tuesday, September 28, 2021 | 10:00 am - 12:00 pm CDT

How to Design for Passive Solar Heating and Cooling

- Tuesday, September 28, 2021 | 2:00 - 5:00 pm CDT

Focusing on Site Engineering: Under a Microscope

- Wednesday, September 29, 2021 | 2:00 - 4:00 pm CDT

Focus on the Home Energy Rating System (HERS) Index

- Wednesday, September 29, 2021 | 9:00 - 11:00 am CDT

How to Implement a Construction Site Grading Plan

- Thursday, September 30, 2021 | 8:30 - 10:30 am CDT

Focus on Slope Stability Analysis

- Thursday, September 30, 2021 | 11:00 am - 1:00 pm CDT

How to Successfully Use, Construct, Design and Maintain Permeable Pavements

- Thursday, September 30, 2021 | 2:00 - 4:00 pm CDT

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