HalfMoon Education Live Continuing Education Webinars

Open Channel Hydraulics and Design

Online - Tuesday, March 28, 2023 | 9:00 am - 4:30 pm CDT

Credits:
Professional Engineers: 6.5 PDHs
Practicing Institute of Engineering: 6.5 PDHs
Landscape Architects: 6.5 HSW CE Hours LA CES: 6.5 HSW PDHs
Geologists: 6.5 PDHs* Floodplain Managers: 6.5 ASFPM CECs

HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG

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

Webinar Agenda | Tuesday, March 28, 2023 | 9:00 am - 4:30 pm CDT (including a 30-min. break)

Understanding Open Channel Flow and Pipe Flow
Understanding pipe flow
Understanding open channel hydraulics
- Examining types of open channel flows
- Looking at examples of open channels

Making Open Channel Calculations
Channel shapes and varying flow
Manning's equation and open channels
Uniform flow calculations
Critical flow calculations
Varied flow

Evaluating Channel Shapes
Evaluating the effect of channel shapes:
Trapezoidal, parabolic

Evaluating Channel Linings
Smooth surfaces
Uneven or rough surfaces
Vegetated surfaces

Designing Open Channels
Low slope
Steep slope
Transitions

Applications for Open Channels and Case Studies
Stormwater management
Drainage
Stream flow

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.

Presented by
Chris Naidu *Water Resources Civil Engineer, Senior Project Manager at RESPEC*

Mr. Naidu has more than 10 years of experience in drainage and flood control projects throughout New Mexico. His experience includes preparation of drainage management plans (DMP), hydrologic analysis, hydraulic analysis of flood control structures, sediment transport, and scour analysis for unlined arroyos and bridge structures. Using modeling/analysis software, Mr. Naidu produces high quality hydrologic and hydraulic models. He has a proven record of preparing easy-to-understand reports and corresponding maps and figures. He has prepared hydrographs and analyzed storm drains, weirs, pump stations, and detention/surge ponds. Additional skills include preparation of plan specifications, bidding and construction plans, cost estimates, and bidding services. He is familiar with Arc Geographic Information System (ArcGIS); Hydrologic Engineering Center (HEC) Hydrologic Modeling System, HEC Geospatial Hydrologic Modeling Extension (geoHMS0), HEC River Analysis System, US Environmental Protection Agency Storm Water Management Model (EPA SWMM), StormCad, and CulvertMaster.

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.*

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Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers in most states to whom this subject matter is professionally relevant. 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) and North Carolina (S-0130).

This webinar has been evaluated for compliance with the NYS Mandatory Continuing Education requirements by the Practicing Institute of Engineering and has been approved for 6.5 PDHs in the fields of professional engineering, landscape architecture and geology.

This webinar is designed to qualify for 6.5 HSW CE hours for landscape architects in most states. The Landscape Architecture Continuing Education System has approved this course for 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

This webinar is designed to qualify for 6.5 PDHs for professional geologists in New York and in states which do not require pre-approval of continuing education activities or sponsors.

This webinar has been approved by the Association of State Floodplain Managers 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 above pre-approval(s) only apply 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 PDHs (LA CES) | 6.5 ASFPM CECs

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