

HalfMoon Education Live Continuing Education Webinars

Introduction to HEC-HMS Modeling

Online - Thursday, December 1, 2022, 2022 | 9:00 am - 4:20 CST

Credits:

Professional Engineers: 6.5 PDHs

Landscape Architects: 6.5 HSW CE Hours

Floodplain Managers: 6.5 ASFPM CECs

LA CES: 6.5 HSW PDHs

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

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Applications for Hydrologic Analysis

- Watershed studies
- Stormwater management
- Regional flood models
- Stream flow assessment

Hydrologic Principles

- Hydrologic cycle
- Watershed delineation methodology
- Hydrographs
- Rational method
- SCS methods

History and Development of US Army Corps HEC-HMS Software

Working with the HEC-HMS User Interface

- Program file and project management
- Data entry and editing

Small-Scale Watershed Modeling

- Data required GIS data usage
- Model setup Analysis requirements

Model Output and Troubleshooting

- Results and reporting
- Mapping capabilities
- Results interpretation
- Calibration
- Troubleshooting tips

Small Watershed Modeling Demonstration and Flood after Fire Methodology

Large Watershed Modeling Demonstration

Presented by

Gerald Blackler, Ph.D, P.E., D.WRE

*University of Colorado-Denver
College of Engineering, Design and Computing*

Dr. Blackler is a board certified, licensed, and experienced water resources engineer specializing in flood recovery, applied hydraulics, hydrology, the engineering of stormwater systems, and open channel hydraulics for urban, rural, and flood prone areas due to changes in fire and how those changes effect natural stream systems. He brings practical and theoretical experience to any project or classroom. Dr. Blackler is a consultant who manages many technically challenging projects. He has six peer-reviewed publications in ASCE's journals of hydrology, hydraulics, and irrigation and drainage. He is an instructor at UC Denver's College of Engineering Design and Computing for the Hydrologic, Environmental, and Sustainability Engineering Program (HESE). Additionally, Dr. Blackler is an honorably discharged veteran of foreign wars and served with the US Army Corps of Engineers under the 4th Infantry Division for OIF and OEF combat tours.

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.

Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers 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.

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 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).

Can't Attend? Order the Webinar as an On-Demand Package!

Recordings of this webinar are available for purchase. 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.

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