Credit and Webinar Information

Continuing Education Credit Information

These webinars are open to the public. They qualify for professional engineer continuing education/professional development hours in all states. They qualify for professional land surveyor continuing education/professional development hours in most states. Please check each course listing for the number of hours available.

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.

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Course approvals are applied for and pending for all the courses for Tennessee land surveyors and New Jersey land surveyors for *Metes and Bounds Land Description Workshop* and *Determining Land Ownership and Access Rights*.

Course completion certificates will be awarded to participants who complete the webinar in its entirety, respond to all the verification prompts during the instruction, and earn a score of 80% on the quiz that follows the instruction (multiple attempts allowed).

Webinar Instructions

Each webinar session earns continuing education credit and can be registered for individually. All attendees must log-on through their own email – attendees may not watch together if they wish to earn continuing education credit. HalfMoon Education Inc. must be able to prove attendance if either the attendee or HalfMoon Education Inc. is audited.

Certificates of completion will be available for download and printing upon completion of a follow-up quiz with at least 80% accuracy.

Webinars are presented via **GoToWebinar**, an easy-to-use application that can be run on most systems and tablets. Instructions and login information will be provided in an email sent close to the date of the webinar. ***It is highly recommended that you download, install and test the application before the webinar begins by clicking on the link in the email.***

GoToWebinar system requirements:

Operating System: Windows 7 - 10, Mac OSX Mavericks - macOS Catalina, Linux, Google Chrome OS, Android OS 5 (Lollipop) - Android 9 (Pie), iOS 10 - iOS 12, Windows Phone 8+, Windows 8RT+

Web browser: The two most recent versions of Google Chrome or Mozilla Firefox

Internet connection: Minimum of 1Mbps, Mobile: 3G or better (WiFi Recommended)

Hardware: 2GB of RAM (minimum), 4GB or more of RAM (recommended)

For more information visit the "Support" section at *www.gotowebinar.com*.

January Land Webinars
for Engineers, Surveyors and Other Professionals

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PO Box 278
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January Land Webinars

Metes and Bounds Land Description Workshop
- Monday, January 25, 2021 | 10:00 am - 4:00 pm CST

Determining Land Ownership and Access Rights
- Wednesday, January 27, 2021 | 11:00 am - 2:15 pm CST
- Thursday, January 28, 2021 | 11:00 am - 2:15 pm CST

Aerial Mapping: Technologies and Procedures
- Thursday, January 28, 2021 | 8:30 am - 12:00 pm CST
- Friday, January 29, 2021 | 8:30 am - 12:15 pm CST

Have questions or wish to register by phone?
Give us a call at 715-835-5900 and press 1 for Customer Service.

Find us on Facebook

HalfMoon Education Online Learning

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To register visit us online at
www.halfmoonseminars.org
or call our Customer Service Department at (715) 835-5900

HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG

Metes and Bounds Land Description Workshop

Monday, January 25, 2021 | 10:00 am - 4:00 pm CST (incl. 60-min. of break)
Tuition: $249 per registrant, $199 per registrant for three or more

Credits: Professional Engineers: 5.0 PDHs
Professional Land Surveyors: 5.0 PDHs (pending in New Jersey and Tennessee)

Working with Metes and Bounds Descriptions
History of land descriptions in the U.S.
Basic land description concepts:
- Terminology
- Bearings
- Distances
- Circular curves
- Mathematical closure
- State plane coordinates

Monuments, natural and artificial boundaries
Reading and interpreting a metes and bounds description

Metes and Bounds Workshop: Writing, Drawing and Locating Descriptions
Writing a description
Drawing a description
Software for mapping, drawing and locating described lands

Handling Special Issues in Metes and Bounds Descriptions
"Part of" descriptions
Exceptions and reservations
Water boundaries
Easements and other access rights

Presented by
J. Cole Helfrich *Principal Land Surveyor with Craig R. Knoche & Associates, P.C.*

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To register, view detailed presenter biographies, and see other learning opportunities, please visit:
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Can't Attend? Order the Webinar as a Self-Study Package!
Recordings of these webinars 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.

Determining Land Ownership and Access Rights

A Two-Day Webinar Series
Tuition: $289 per registrant, $199 per registrant for three or more

Credits: Professional Engineers: 6.0 PDHs
Professional Land Surveyors: 6.0 PDHs (pending in New Jersey and Tennessee)

Determining Land Ownership and Access Rights Day One
Wednesday, January 27, 2021 | 11:00 am - 2:15 pm CST (including a 15-min. break)

Real Property Ownership – What is it? Where is it?
Defining "title" and its elements
The roots of US property law
The historical context of written descriptions
Why the Statute of Frauds matters
Does the most current deed tell us who owns the property?

Distinctions Between Land Title and Land Use
Is it ownership or is it possession?
Looking for clues in deeds and actions
How laws protect land rights – or don't
Creating and terminating rights in land

Determining Land Ownership and Access Rights Day Two
Thursday, January 28, 2021 | 11:00 am - 2:15 pm CST (including a 15-min. break)

Accessing Shared Spaces and Split Estates
Sharing in three dimensions
Rights, limits, and responsibilities
Shared private facilities
Utilities: where can they be, and why
Railroads: access by them and access over their corridors
Mineral rights: whose rights are paramount?

Defining Trespass and Adverse Possession
Defining trespass
Distinctions between trespass, adverse possession, and prescriptive rights
Maintaining adverse claims
Statute of limitations
Elements of a claim
"Lost grant" claims
Quiet title actions

Landlocked Parcels
Physical access versus legal access
Clarifying access by "necessity" versus "convenience"
Effect of landlocked status on land titles
Approaches to acquiring access

Presented by
Wendy Lathrop, PLS, CFM *President and Owner of Cadastral Consulting, LLC*

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Aerial Mapping: *Technologies and Procedures*

A Two-Day Webinar Series
Tuition: $289 per registrant, $199 per registrant for three or more

Credits: Professional Engineers: 6.5 PDHs
Professional Land Surveyors: 6.5 PDHs (pending in Tennessee)

Aerial Mapping: Technologies and Procedures Day One
Thursday, January 28, 2021 | 8:30 am - 12:00 pm CST (including a 15-min. break)

Aerial Mapping Program Overview

UAS-Drone Platforms
Types of UAS/sUAS platforms
Uses of drone technology
Cameras
UAS costs

UAS Mapping Principles
General aerial photography
Ortho-photos
Photogrammetry
3D models
Terrain modeling
LiDAR point clouds and scanning
GIS dataset acquisition

History and Development of the UAS Platforms

UAS Photogrammetry - Principles and Procedures
Photogrammetry basics
GPS and coordinate systems
Data georeferencing
Survey control
Data acquisition
Post processing and adjustments

Aerial Mapping: Technologies and Procedures Day Two
Friday, January 29, 2021 | 8:30 am - 12:15 pm CST (including a 15-min. break)

Post Processing - Software Applications
Basic data requirements
Computer hardware
- Commercial software applications
- Pix4D DroneDeploy
- AutoDesk
- Others

Demonstration of Small Photogrammetry Project
Live Demonstration of a small project using Pix4D

FAA Commercial UAS Regulations
Commercial use activities
FAA Part 107 licensing requirements
Flight regulations for UAS
Airspace restrictions

FAA Knowledge Test - General Overview
Primer on the FAA Part 107 knowledge test
Knowledge test areas of study
Do I need to be a pilot?
General do's and don'ts of UAS operations
Commercial operator liability considerations

Presented by
Mark D. Jones *P.E. Principal, Hartech Engineering & Consulting, LLC*

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