

Credit Information

State Plane Coordinate System: Transition to NATRF2022

This webinar is open to the public and is designed to qualify for 7.5 PDHs for professional engineers in land surveyors in most states. 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. 24GPOOO49300) and North Carolina (S-O130). HalfMoon Education is an approved continuing education sponsor for land surveyors licensed in Indiana (License No. CE10600325), Maryland, and North Carolina (S-O130). This webinar has been registered with the Florida Board of Professional Surveyors and Mappers for 7.5 PDHs and has been submitted to the Missouri Board of APEPLSPLA for pre-approval. HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and land surveyors via its course approval with the Practicing Institute of Engineering. Other states do not preapprove continuing education providers or courses. This webinar has been evaluated for compliance with NYS Mandatory Continuing Education requirements for professional engineers and land surveyors by the Practicing Institute of Engineering, and has been approved for 7.5 PDHs.

On-Demand Credits

The preceding credit information only applies to the live presentation. This course in an on-demand format is not pre-approved by any licensing boards and may not qualify for the same credits; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate.

Reading, Interpreting and Writing Land Descriptions Workshop

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers and land surveyors in most 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 No. CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GPOOO49300) and North Carolina (S-O130). HalfMoon Education is an approved continuing education sponsor for land surveyors licensed in Indiana (License No. CE21700059), Maryland, and North Carolina (S-O130). This webinar has been evaluated for compliance with NYS Mandatory Continuing Education requirements for professional engineers and land surveyors by the Practicing Institute of Engineering, and has been approved for 6.0 PDHs. The Florida Department of Agriculture and Consumer Services has assigned this course number 10135 for surveyors. This course has been approved for Tennessee land surveyors (course #1011). This course has been approved by the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects for 6.0 PDU.

On-Demand Credits

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Deep Dive into Equity in Land Use Planning and Zoning

This webinar is open to the public and is designed to qualify for 3.0 PDHs for professional engineers and land surveyors and 3.0 HSW continuing education hours for licensed 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. 24GPOOO49300) and North Carolina (S-O130). 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. HalfMoon Education is an approved continuing education sponsor for land surveyors licensed in Indiana (License No. CE10600325), Maryland, and North Carolina (S-O130). This course has been approved by the Florida Board of Surveyors and Mappers and the Missouri Board of APEPLSPLA for 3.0 continuing education credits for surveyors. The American Institute of Architects Continuing Education System has approved this course for 3.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES. HalfMoon Education is an approved CM Provider with the American Planning Association. This course is registered for CM | 3 for Certified Planners.

On-Demand Credits

The preceding credit information only applies to the live presentation. This course in an on-demand format is not pre-approved by any licensing boards and may not qualify for the same credits; 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: 3.0 HSW LUs (AIA)

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).

January Land Webinars

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January Land Webinars

State Plane Coordinate System: Transition to NATRF2022

- Wednesday, January 8, 2025 CST | 11:00 am - 3:30 pm CST
- Thursday, January 9, 2025 CST | 11:00 am - 3:00 pm CST

Reading, Interpreting and Writing Land Descriptions Workshop

- Tuesday, January 14, 2025 | 9:00 am - 4:00 pm CST

Deep Dive into Equity in Land Use Planning and Zoning

- Friday, January 17, 2025 | 9:30 am - 12:30 pm CST

Special Offer: Attend all three webinars and receive a **30% discount** by using Coupon Code **JANLAND25** at checkout online!



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Architects: 3.0 HSW CE Hours | AIA: 3.0 LU|HSW
Certified Planners CM|3

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Tuition: \$339 per registrant
\$237 per attendee for group registrations of two or more people registering at the same time for the same program. ***That's a savings of 30 percent!***

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Agenda:
State Plane Coordinate System Fundamentals

- Geodetic datum elements
 - Reference ellipsoids
 - Shape of the earth
 - Earth-centered, Earth-fixed Cartesian coordinates
- North American Datum of 1983 (NAD83)
 - Development history
 - State and national adjustments
- State Plane Coordinate System fundamentals
 - Map projection concepts
 - Understanding the Lambert Conformal Projection
 - Understanding the Transverse Mercator Projection
 - Scale factor and elevation factor
- Inherent system distortion

Updating the State Plane Coordinate System

- Geoid science
 - Ellipsoid height and orthometric height
 - Past and future model evolution
- North American Terrestrial Reference Frame 2022 (NATRF2022)
 - Fundamental changes from NAD83
 - Low distortion projections
 - National Geodetic Survey goals
 - US Survey Foot deprecation
 - Implementation timeline

Presented by
Todd Horton, PE, PLS, is the owner of Meridian Geospatial Consulting, LLC. Meridian Geospatial provides technician training and continuing education seminars for the land surveying industry. Mr. Horton served in the US Air Force and with the Illinois Department of Transportation in planning, design, construction, surveying and maintenance of civil engineering projects including commercial structures, airfields, utility systems and highways, earning his professional engineer license in 1991. Joining the full-time faculty at Parkland College in Champaign, Illinois, in 1998, he taught land surveying and construction management courses. Mr. Horton founded the land surveying associate degree program at Parkland College in 2001. Working during summers for local engineering firms, he earned his PLS license in 2007. Beginning in 2009, Mr. Horton presented seminars frequently with HalfMoon Education Inc., ultimately speaking in 42 states. He continues to provide training with HalfMoon, with several professional associations and for various private clients. His top priority is providing practical skill training for survey technicians. Mr. Horton retired from full-time teaching in 2023 and has joined Farnsworth Group Inc. in Champaign, Illinois, as a senior project land surveyor. You can reach him at todd@meridiangeospatial.com.

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Agenda:
Understanding The Survey Process

- Research
- Title research vs. boundary research
- Field work
 - Reconnaissance
 - GPS
 - Measuring angles and distances
- Understanding what controls location
 - The importance of monuments and descriptions
 - The primary function of measurements in descriptions
 - Order of importance of conflicting elements

Understanding Survey Drawings and Legal Descriptions

- North basis
- Title identity
- Closing the description
- Precision vs. accuracy
- Understanding bearings and azimuths
- The importance of qualitative calls
- Handling water boundary issues
- Handling special situations: arcs, chords, curves, etc.

Writing Metes and Bounds and Strip Descriptions

- Easement basics
- Preparing strip descriptions for routes
- Do's and don'ts when writing descriptions
- Writing the qualitative portion first
 - Including measurements with survey precision in mind
- Metes and bounds description workshop: writing two sample descriptions

Presented by Barry Savage, PLS

Survey Products Group Manager with Tennessee Valley Authority in Chattanooga, TN
Prior to his service at TVA, Mr. Savage was in private survey practice for 10 years specializing in dispute resolution and expert witness services. He has surveyed several disputed state boundaries to resolve jurisdictional conflicts. Mr. Savage is an adjunct professor at Cleveland State Community College where he teaches courses in boundary law, geodesy, GIS, and surveying fundamentals. He has researched and retraced the historical surveys of Henry David Thoreau and has published several articles on the subject. Mr. Savage teaches exam review and continuing education seminars at various state and local conferences across the country.

Learn More and Register:
www.halfmoonseminars.org
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Deep Dive into Equity in Land Use Planning and Zoning

Friday, January 17, 2025 | 9:30 am - 12:30 pm CST

Tuition: \$179 per registrant

Credits: Engineers: 3.0 PDHs | Land Surveyors: 3.0 PDHs
Architects: 3.0 HSW CE Hours | AIA: 3.0 LU|HSW
Certified Planners CMI3

- Agenda:**
- History of land use and zoning regulations in the United States
 - Zoning regulations as a tool of racial and/or economic segregation
 - Impacts of zoning policies on public health, welfare and economic security
 - Changing the status quo - using zoning to integrate, improve public health, and increase wealth
 - Specific techniques to improve equity:
 - Integrating affordable housing
 - Encouraging mixed uses
 - Improving resident health and welfare

Presented by Nathan Osborn *Attorney, Montgomery Little & Soran, PC*

Mr. Osborn is an equity shareholder with Montgomery Little & Soran in Greenwood Village, Colorado. His practice is focused on real estate litigation, real estate transactions, and commercial litigation. He also helps numerous real estate and medical businesses by acting as their full-service corporate attorney. In addition to his work for clients, Mr. Osborn can be hired as an expert witness in cases involving real estate issues. He is licensed to practice in Colorado and Nebraska. Mr. Osborn represents a broad mix of clients but primarily handles matters relating to real estate title and access disputes, title insurance, boundary disputes, landlord-tenant disputes, leases, foreclosures, title agent negligence, liens, easements, real estate purchases and sales, real estate development, condominium conversions, real covenants, spurious liens, partitions, and real estate broker license complaint cases. Mr. Osborn is also a trial attorney and has tried 40 cases in his career. Mr. Osborn received the highest "AV Preeminent" rating from Martindale Hubbell in 2014 and has maintained this prestigious rating since then. Mr. Osborn was also recognized as a 2018 and 2019 Super Lawyers – Rising Star.

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