

Agenda

Tree Biology and Health

- What a tree knows; how trees communicate
- Tree biology and anatomy
- Site, soil and climate characteristics
- Overview of native and non-native tree species and characteristics
- Health and disease

The Many Functional Aspects of Trees for Urban Spaces

- Wind breaking
- Erosion control
- Passive cooling
- Noise/wind buffer
- Air filtration
- Carbon sequestration
- Human health
- Aesthetic impact
- Human and wildlife habitat

Tree Design to Thrive, Not Just Survive

- Overview of planning, design and construction documents
- Planting specifications examples
- Establishment specifications examples

Doomed by Design

- Case studies of unsustainable tree design in the urban landscape

Implementing Realistic Tree Protection Plans

- Project case studies of successes and failures
- Specifications for preserving trees in construction projects

Pests, Disease, and Other threats

- Keys to survivability
- Urban heat island
- Climate change
- Diversity
- Tree selection
- Tree pests and diseases
- Proactive and reactive options
- Questions and answers

Trees in the Urban Environment
Eagan, MN - Wednesday, December 18, 2019

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PO Box 278
Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

Explain the basics of tree biology and health, and focus on the effects of site selection, soil conditions and climate.

Identify the many functions of trees, including air filtration, passive cooling, wind breaking, erosion control, aesthetic benefits, carbon sequestration and human and wildlife habitat.

Avoid unsustainable tree design practices in urban environments.

Implement realistic tree protection plans in construction areas.

Identify threats that trees face in urban environments, such as heat island impacts, pests, diseases, climate change, and lack of species diversity.



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Learn about tree biology and tree health

Discuss the many functions of trees in urban spaces, such as passive cooling, wind breaking, noise buffering, and erosion control.

Explore designs that let trees thrive, not just survive

Examine case studies of unsustainable tree design in urban landscape

Identify pests, disease and other threats to trees

Continuing Education Credits

Architects

7.0 PDHs (HSW)
7.0 AIA LU|HSW

Landscape Architects

7.0 PDHs (HSW)
7.0 LA/CES HSW PDHs

Professional Engineers

7.0 PDHs

International Society of Arboriculture

Course approval pending

Contractors

Non-Credit Continuing Ed.



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AIA
Continuing
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Provider

Faculty

Faith Appelquist *Owner of Tree Quality in St Paul, Minnesota*

Ms. Appelquist specializes in tree evaluation and management, appraisals, risk assessment and landscape design. She earned a Food Science degree from the University of Wisconsin-Madison and a Landscape Design degree from Dakota County Technical College. Ms. Appelquist serves on the board of the Minnesota and Nursery Landscape Association. She is an International Society of Arboriculture (ISA) board certified master arborist, an American Society of Consulting Arborists (ASCA) registered consulting arborist and a qualified tree risk assessor. Ms. Appelquist is married and has two grown daughters. She has traveled extensively throughout the world. In her spare time, she enjoys hiking, gardening, cooking and reading.

Manuel Jordán *Owner, Heritage Shade Tree Consultants and Partner of Plant Health Doctors*

Mr. Jordán has experience working locally as city forester (various cities), at the state level for the Texas Forest Service and internationally in Spain, England and Mexico. He is an ISA certified arborist, an ISA test proctor, has a tree risk assessment qualification, is a founding member of the ISA Hispanic Committee, and is chair of the Minnesota Society of Arboriculture (MSA) Tree Valuation Committee. Currently, Mr. Jordán is a board member for the Minnesota Turf and Groud Foundation (MTGF) and a member of the Minnesota Nursery and Landscape Association (MNLA) Education & Certification Committee.

Seminar Information

Holiday Inn Airport SE - Mall Area

2700 Pilot Knob Road
Eagan, MN 55121
(651) 454-3434

Registration
8:00 - 8:30 am
Morning Session
8:30 am - 12:30 pm
Lunch (on your own)
12:30 - 1:30 pm
Afternoon Session
1:30 - 5:00 pm

Tuition

\$289 for individual registration
\$269 for three or more registrations.

Included with your registration: Complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 professional development hours (HSW) to architects, landscape architects, and engineers in most states, including Minnesota. Educators and courses are not subject to preapproval in Minnesota.

This seminar is approved by the American Institute of Architects Continuing Education System for 7.0 LU|HSW (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 7.0 HSW PDHs. Only full attendance is reportable to the AIA/CES and LA/CES. Visit www.halfmoonseminars.org for complete AIA/CES information under this course listing.

HalfMoon Education is an approved continuing education sponsor for architects in Florida. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Louisiana, Maryland, New Jersey (Approval No. 24GP00000700), North Carolina, and North Dakota. HalfMoon Education is deemed a New York CE provider for engineers, architects, and landscape architects.

HalfMoon Education has applied to the International Society of Arboriculture for course approval, which is pending. Visit www.halfmoonseminars.org for current course approval status under this course listing.

This seminar is also a non-credit continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing board for continuing education credit.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Additional Learning

Webinar Series

Complying with ADA Standards

for Accessible Design

- **Complying with State & Federal Accessibility Requirements**
Thurs., Nov. 7, 2019, 11:00 AM - 1:30 PM CST
- **Applying the 2010 & A117.1 Accessibility Standards**
Fri., Nov. 8, 2019, 11:00 AM - 1:30 PM CST

Fire Protection and Building Codes

- **Fire Protection and Life Safety Design**
Tues., Nov. 12, 2019, 11:00 AM - 12:00 PM CST
- **Occupancy Classifications**
Tues., Nov. 12, 2019, 12:30 - 2:30 PM CST
- **Means of Egress**
Tues., Nov. 19, 2019, 11:00 AM - 1:00 PM CST
- **Fire Protection Features and Equipment**
Tues., Nov. 19, 2019, 1:30 - 3:00 PM CST

Structural Forensic Engineering

- **Introduction to the Forensic Engineering Process**
Tues., Nov. 12, 2019, 11:00 AM - 1:00 PM CST
- **Causes of Failures and the Forensic Engineering Report**
Tues., Nov. 12, 2019, 1:30 - 3:30 PM CST
- **Forensic Examination of Structures and Use in Litigation**
Wed., Nov. 13, 2019, 11:00 AM - 1:00 PM CST

Stormwater Management Systems

- **Basics of Stormwater Regulations and Requirements, Including EPA Regulations**
Wed., Nov. 20, 2019, 11:00 AM - 12:00 PM CST
- **Site Planning and Choosing Best Stormwater Management Practices**
Wed., Nov. 20, 2019, 12:30 - 2:00 PM CST
- **Working with the MS4 Regulator**
Thurs., Nov. 21, 2019, 11:00 AM - 12:00 PM CST
- **Long-Term Stormwater Management Practices**
Thurs., Nov. 21, 2019, 12:30 - 2:00 PM CST

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

Can't Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$269. 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.

Registration

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How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900		Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Code:	Name: _____ Occupation: _____ Email: _____ Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Name: _____ Occupation: _____ Email: _____ Phone: _____
Complete the entire form. Attach duplicates if necessary.		Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.
		() I need special accommodations. Please contact me.

Tuition

- () **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.
- () **I am not attending.** Please send me the self-study package:
 - Downloadable MP3 Audio/PDF Manual for **\$269.00**.
 - CD/Manual Package for **\$289.00**. USB/Manual Package **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City: _____ State: _____ Zip: _____
Signature: _____
Email: _____