



Morris Arboretum of the
University of Pennsylvania
School of Arboriculture

Course Offering at the Morris Arboretum of the University of Pennsylvania

MATURE TREE CARE

Friday, April 8

9 a.m. – 4 p.m.

Dr. Kevin Smith

Plant Physiologist, USDA Forest Service

In this course Dr. Smith will provide the latest information on veteran tree care management and conservation biology in the practice of modern arboriculture. His work focuses on the response of trees to injury, infection, and environmental change. One important focus of his research has been the physiological and anatomical changes associated with the compartmentalization of infection after mechanical injury of living wood. In addition, his work on dendronchronology will deepen our understanding of the needs of older trees and the care they require. To find out more about his work with the USDA, go to <http://www.nrs.fs.fed.us/units/foresthealth/>. Dr. Smith was an associate of Dr. Alex Shigo's for many years and now holds his position with the USDA. **This course carries 5.5 CEU's for ISA arborists.**

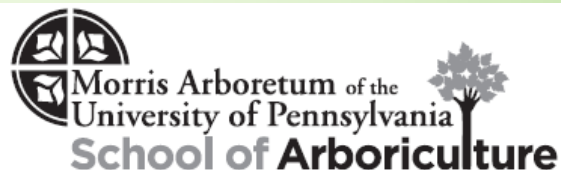
Fee: \$110 (includes lunch)

To register online:

www.businessservices.upenn.edu/arboretum/eventsprofessional.html

Or call the Morris Arboretum at 215-247-5777, ext. 125 or 156

Visit us on the web: www.morrisarboretum.org



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COMMON DISEASES OF TREES AND SHRUBS

Friday, April 15

9 a.m. – 4 p.m.

Diana K. Weiner

Volunteer Program Coordinator, Meadowbrook Farms

Fungal and bacterial diseases of woody plants can be devastating to the landscape if left unchecked. Learn to identify the signs and symptoms of several of the most common plant diseases in our area. You will learn management techniques and methods for reducing these disorders to manageable levels in an environmentally friendly manner. Diana Weiner is the Restoration and Volunteer Manager for Friends of High School Park in Elkins Park, Pennsylvania. She also coordinates the volunteer program at Meadowbrook Farm, an affiliate of the Pennsylvania Horticultural Society. She has a degree in Agronomy from the State University of New York. **This course carries 5.5 CEU's for ISA arborists.**

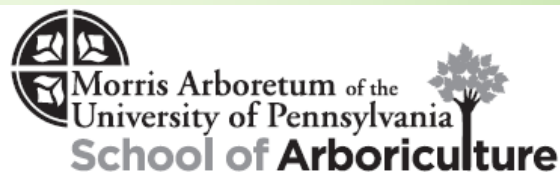
Fee: \$125 (includes lunch)

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BIODIVERSITY AND THE INFLUENCE OF NATIVE AND EXOTIC PLANTS IN OUR LANDSCAPES

Friday, May 13

9 a.m. – 4 p.m.

Dr. Scott Carroll Director, Institute for Contemporary Evolution,
University of California at Davis.

People have introduced useful and aesthetically pleasing plants into their gardens from around the globe for millennia, but never as many as in the past century. The resulting mix of natives with exotic species has created unprecedented plant communities and the distinction between managed and wild systems is blurring. How are these changes shaping the quality, benefits, and costs of human interactions with native plants and associated animals? Using examples from trees, insects, and other organisms, this seminar will focus on the new questions and approaches for conservation-minded plant managers in an era of altered ecology, evolution, and climate. Dr. Carroll is a world renowned entomologist and research director of the Carrol-Loye Biological Research Lab in Davis, California. Most recently he was a visiting scholar at the University of Queensland, Australia. He has published over 50 scientific papers, and is a much sought after speaker in the field of evolution and biodiversity.

This course carries 5.5 CEU's for ISA arborists.

Fee: \$125 (includes lunch)

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SEEING THE FOREST AND THE TREES: USING THE PLANT STEWARDSHIP INDEX

Friday, May 20

9 a.m. – 4 p.m.

Leslie Sauer

Founding Partner, *Andropogon Associates, Ltd.*

Restoring and managing degraded natural areas is of growing importance to sustaining our environment. This workshop focuses on using the Plant Stewardship Index (PSI) Program as a working tool for documenting and guiding our management efforts. This method is scientifically based and comparable over time. Using the PSI webpage and illustrated with case studies, workshop topics include baseline monitoring, management monitoring, choosing appropriate species for restoration, evaluating exclosures, trail siting, and planting monitoring. PSI is also useful for municipal and agency applications such as evaluating land exchanges, protocols for mitigation, and easement maintenance. Special attention will be given to contracting opportunities for management applications. Leslie has been instrumental in developing the Plant Stewardship Index Program at Bowman's Hill Wildflower Preserve. **This course carries 5.5 CEU's for ISA arborists.**

Fee: \$125 (includes lunch)

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