

SPRING/SUMMER 2012

NEW ENGLAND  
WILD  
FLOWER  
SOCIETY



# learn+grow

MARCH 2012 • VOLUME 5, NUMBER 1

THE COURSE CATALOG OF NEW ENGLAND WILD FLOWER SOCIETY



The mission of New England Wild Flower Society is to conserve and promote the region's native plants to ensure healthy, biologically diverse landscapes.



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(*Dicentra cucullaria*)  
Photo: Laura McKenna  
Illustration: EF

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*This publication was made possible through the generosity of Jackie and Tom Stone, and members and friends of New England Wild Flower Society.*

# northern gardening symposium

**Saturday, April 14, 9 a.m.-2 p.m.**

*Cosponsored with the Fells, Hardy Plant Club, Friends of the Hort Farm and Master Gardeners*

The morning session features landscape designer Judith Irven speaking on “A Sense of Place: Gardens that Celebrate the Natural Landscape.” Landscape architect, Ann Milovsoroff then presents “Gardens around the World,” with inspirations for northern New England gardens. After lunch, there will be a presentation by nationally recognized taxonomist and botanist Arthur Haines on the reasons for and stories behind his newly published *Flora Novae Angliae*.

Vermont Technical College, Randolph Center

**Course Code:** SYM1002

**Fee:** \$40 (Member) / \$47 (Nonmember) for morning session and lunch

There is no charge for the afternoon session with Arthur Haines. You may register for either or both sessions. Member fee applies to members of any of the cosponsoring organizations. No refunds for cancellations after April 6.

**More information about the speakers and registration options at**  
[www.newenglandwild.org/learn](http://www.newenglandwild.org/learn)

# certificate program

## ENROLL NOW!

Complete the certificate registration form on page 32 of this catalog or online at [www.newenglandwild.org/learn/certificate](http://www.newenglandwild.org/learn/certificate)

Direct questions to Registrar at 508-877-7630, ext. 3303, or [lreed@newenglandwild.org](mailto:lreed@newenglandwild.org). There is a one-time certificate enrollment fee of \$30.

**Classes in this catalog are open to all adults, regardless of certificate enrollment. Join the Society to receive discounts. See inside back cover.**

## CERTIFICATE CREDIT DESIGNATIONS

**FB**=Field Botany

**Adv. FB**=Advanced Field Botany

**HD**=Native Plant Horticulture & Design

**Adv. HD**=Advanced Native Plant Horticulture & Design

*Some courses satisfy more than one requirement for example Elective-FB; Core-Adv. FB can be used as an elective for a certificate in Field Botany or as a Core requirement for a certificate in Advanced Field Botany.*

## Native Plant Studies

New England Wild Flower Society's Certificate in Native Plant Studies offers dedicated students a comprehensive series of programs in the identification, cultivation, ecology, and conservation of native New England plants. Participants proceed through the program at their own pace.

Students gain a greater appreciation and understanding of native plant habitats, common and rare species, conservation issues, and uses of native plants in horticulture and design. Certificate students engage in ongoing public and private efforts to preserve and restore native New England flora.

We offer four opportunities for concentrated study:

1. Certificate in Field Botany
2. Advanced Certificate in Field Botany
3. Certificate in Native Plant Horticulture and Design
4. Advanced Certificate in Native Plant Horticulture and Design

Each certificate requires completion of core courses, elective courses, field trips, and community service.

**See [www.newenglandwild.org/learn/certificate](http://www.newenglandwild.org/learn/certificate) for details.**

## CERTIFICATE ORIENTATION

Join Bonnie Drexler, Education Director, and certificate program graduates for an illustrated talk that includes some of the fascinating stories that native plants have to tell, along with a look at the Society's efforts to conserve the region's native flora. Hear about the structure of the Society's Certificate in Native Plant Studies program and how it can guide your learning. Everyone is welcome at this free presentation. Preregistration is requested, but not required.

**Thursday, April 7, 7-8:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code: CER8000**

*Juniperus virginiana*, EF



# horticulture & gardening

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## FORGET-ME-NOTS: WORKING WITH CLIENTS

Anyone pursuing a career as a designer will eventually have to face one possibly distasteful reality. Like it or not, part of you will have to function as a salesperson. Learn how you can artfully confront the needs, wants, personalities, tastes and budgets of clients with an ultimate veto power. Embracing that reality needn't be painful, although it can be, if not done properly. This seminar will introduce some of the "Forget-Me-Nots" that the instructor learned by ignoring the consequences of forgetting them.

**Thursday, March 22, 7-9 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** HOR4202

**Instructor:** Tom Strangfeld, landscape designer, builder

**Fee:** \$24 (Member) / \$29 (Nonmember)

**Limit:** 16      **Credit:** Elective-HD/Adv. HD

**Cosponsor:** Ecological Landscaping Association

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## PRUNING SHRUBS WITH THE PROS

Early spring is an excellent time to prune many woody plants. In this hands-on workshop, participants work in small groups for guided practice on woody members of the Garden's shrub collection. Discover ways to enhance a plant's vigor, health, and appearance and learn which tools to use, when to prune, and how the plant responds. Bring hand-pruners and dress for working outdoors, rain, snow, or shine.

**Saturday, March 24, 1:30-4:30 p.m.**

Garden in the Woods, Framingham, MA

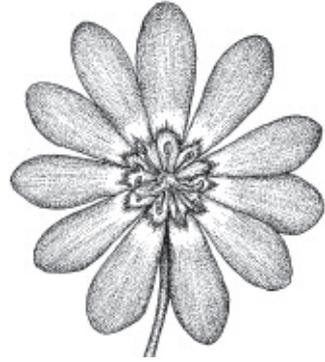
**Course Code:** HOR3115

**Instructor:** Deborah Howe, landscape architect, principal of Lighthall Co.

**Fee:** \$36 (Member) / \$43 (Nonmember)

**Limit:** 15      **Credit:** Elective-HD/Adv. HD

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Sabotia Kennedyana, EF

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## DESIGN AND PLANT A PERENNIAL GARDEN IN THE SPRING

Early spring is the perfect time to begin or enhance a perennial border or woodland edge garden. Landscape designer Laura Eisener discusses how to design a perennial garden taking color, shape, texture, and plant growth characteristics into account. She suggests plants, including many North American native species, and offers low-maintenance tips to ensure success for your new garden. The daytime session at Garden in the Woods includes a walk through the landscaped collection.

**Instructor:** Laura Eisener, landscape designer, Laura D. Eisener Landscape Design

**Limit:** 16      **Credit:** Elective-HD/Adv. HD

*Choose one of two sessions:*

**Wednesday, March 28, 5:45-7:45 p.m.**

Cambridge, MA

**Course Code:** HOR1506

**Fee:** \$24 (Member) / \$29 (Nonmember)

**Cosponsor:** Cambridge Center for Adult Education

**Saturday, May 5, 9:30 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** HOR1505

**Fee:** \$36 (Member) / \$43 (Nonmember)

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## RESIDENTIAL LANDSCAPE DESIGN

In this multi-session course appropriate for beginners, learn different aspects of the landscape design process with special emphasis on native plants in the residential landscape. Workshop sessions focus on design methods using site analysis techniques and schematic design tools. Consulting with the instructor, work on a project of your own choosing. Interspersed with design work, lectures focus on plants and habitats, including information on plant choice and placement in the landscape. A list of required materials will be discussed at the first class.

**Thursdays, March 29, April 5, 12, 19,  
26, May 3, and 10, 5:45-7:45 p.m.**

Cambridge, MA

**Course Code:** HOR4002

**Instructor:** Karen Sebastian, principal, Karen Sebastian, LLC, Landscape Architecture

**Fee:** \$190 (Member) / \$235 (Nonmember)

**Limit:** 12

**Credit:** Core-HD

**Cosponsor:** Cambridge Center for Adult Education

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## LIVING WALLS - VERTICULTURE™ LIFE OFF THE WALL

Though the idea of living walls and green facades is not new, the modern day applications and the infinite design and business possibilities are. Explore the benefits of living wall technology, the opportunities it presents and learn how to incorporate the artfulness of living walls into your landscape or home. Learn about the environmental value of living walls and see how they can serve as an innovative way to overcome landscape challenges in confined spaces with dynamic results and take urban farming to new heights.

**Wednesday, April 4, 6:30-8:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** HOR4150

**Instructor:** Trevor Smith, landscape designer, LEED Green Associate, Land Escapes

**Fee:** \$24 (Member) / \$29 (Nonmember)

**Limit:** 16      **Credit:** Elective-HD/Adv. HD

**Cosponsor:** Ecological Landscaping Association

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## PRUNING FUNDAMENTALS

Learn pruning basics that will benefit both the novice and advanced gardener. Proper pruning improves both the health and structure of woody plants, and allows the gardener to influence the aesthetic qualities of trees and shrubs. This workshop covers pruning methods for new and established plantings in the home landscape. Learn how to select basic tools, make a proper cut, determine which branches to cut, and the correct time to prune for different species. Bring hand pruners and a saw, and leave the workshop with skills to take on most basic pruning issues in the home landscape.

**Saturday, April 14, 10 a.m.-1 p.m.**

Chesterfield, MA

**Course Code:** HOR3120

**Instructor:** Jim McSweeney, certified MA arborist and horticulturist

**Fee:** \$36 (Member) / \$43 (Nonmember)

**Limit:** 15

**Credit:** Elective-HD/Adv. HD

**Cosponsor:** Hitchcock Center for the Environment



*Symphyotrichum novae-angliae*, EF

# horticulture & gardening

## NATIVE HERBACEOUS PLANT MATERIALS: EARLY SEASON

Many native North American herbaceous plants are suitable for growing in New England. This course examines the characteristics of horticulturally important native plants that grow and /or flower early in the season. We will look at how various species can be used in a designed landscape and see how knowing a plant's native habitat can make us better gardeners and designers. Each class will spend time both in the classroom and walking in the Garden. Designed for anyone wanting to work at a professional level with native plants, this course is also appropriate for the avid home gardener.

**Wednesdays, April 25, May 9, 12:30-4 p.m.,  
May 23, 12:30-3:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** HOR1000

**Instructor:** Jessie Panek, landscape designer

**Fee:** \$142 (Member) / \$167 (Nonmember)

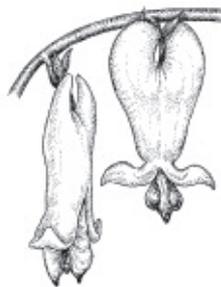
**Limit:** 15

**Credit:** Core-HD; Elective-all certificates

## LOW-MAINTENANCE DESIGN WITH NATIVE PLANTS

Lower your garden maintenance by using native plants and designing carefully. Learn how to design a unique garden space with strong connections to our spectacular New England landscape. In this interactive format, you are encouraged to bring your ideas, along with photographs, plans, or sketches of your own property. Landscape designer Owen Wormser helps you create enjoyable, low-maintenance, and sustainable garden spaces while discovering important functional and aesthetic aspects of native plants.

**Saturday, April 28, 10 a.m.-1 p.m.**  
Nasami Farm, Whately, MA



*Dicentra canadensis*, EF

**Course Code:** HOR4045

**Instructor:** Owen Wormser, landscape designer, Abound: Landscape Solutions

**Fee:** \$36 (Member) / \$43 (Nonmember)

**Limit:** 16      **Credit:** Elective-HD/Adv.HD

**Cosponsor:** Hitchcock Center for the Environment

## DESIGNING ON YOUR FEET

The ability to make observations is fundamental to success as a landscape designer. Like the statue hidden within a block of marble, a landscape design will emerge through your observations of client and site. Every observation should lead to a conclusion. If done well, there should be no need for “selling.” Everything should fit...fit the client and fit the site. This on-site seminar introduces you to the skill of observation through a walking analysis of two “properties in progress” in the vicinity of Garden in the Woods.

**Saturday, April 28, 9:30 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA and local residential sites

**Course Code:** HOR4130

**Instructor:** Tom Strangfeld, landscape designer, builder

**Fee:** \$36 (Member) / \$43 (Nonmember)

**Limit:** 16      **Credit:** Elective-HD/Adv.HD

**Cosponsor:** Ecological Landscaping Association

# horticulture & gardening

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## **"THE I-FACTOR": DEFINING YOURSELF IN THE GARDEN**

Learn ways to bring your own individuality and artistic thought to your residential garden design. Explore the use of the stone, native plant material, found elements, and water that inspire creative expression. The instructor shares techniques to design with natives—what worked, what didn't, and what can be learned from a professional whose work is defined by her knowledge of plants, site-sensitive design and willingness to experiment with materials.

**Wednesday, May 2, 1-3 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** HOR1522

**Instructor:** Samantha Best, senior designer, Magma Design Group, Inc.

**Fee:** \$24 (Member) / \$29 (Nonmember)

**Limit:** 16      **Credit:** Elective-HD/Adv.HD

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## **KNOW YOUR WEEDS**

Garden weeds, roadside weeds and invasives are the plants we are most familiar with, but often we don't even know their names. They can inform us about our soil, and in some cases, can even be added to a salad. Spend some time in the classroom for an overview, including methods of control (or acceptance!) Then visit a nearby appropriately weedy property. Please feel free to bring a sample of one of your weeds for identification.

**Wednesday, May 9, 9:30 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** HOR3507

**Instructor:** Robin Wilkerson, landscape designer

**Fee:** \$36 (Member) / \$43 (Nonmember)

**Limit:** 16      **Credit:** Elective-all certificates

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## **BEAUTIFUL NATIVE PLANTS FOR THE BIRD GARDEN**

Bring birds into your garden with ornamental native plants—berries and seeds for food, evergreens for cover, and insect- and hummingbird-attracting bloomers. We focus on plants that provide beauty year-round, and particularly those that feed birds during migrations and winter scarcity. Start with an illustrated lecture in the classroom, and then move outside to view some premier plants for bird habitat.

**Saturday, May 19, 1:00-3:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** HOR4234

**Instructor:** Dori Smith, M.Ed, owner, Gardens for Life, Acton, MA

**Fee:** \$30 (Member) / \$36 (Nonmember)

**Limit:** 16      **Credit:** Elective-all certificates

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## **LANDSCAPE DESIGN FOR THE NATURAL GARDEN**

Gardening sensitively with native plants that suit the local landscape has many benefits, both environmental and ecological. Enjoy a presentation to explore gardens that utilize indigenous and non-invasive perennials and grasses. These beautiful gardens function as low maintenance, water conserving, and erosion controlling communities.

**Saturday, May 19, 11 a.m.-12 noon**

Montshire Museum, Norwich, VT

**Course Code:** HOR3995

**Instructor:** Liz Krieg, landscape designer and consultant

**Fee:** \$15 (Member) / \$18 (Nonmember)

**Limit:** 16

**Cosponsor:** Montshire Museum

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# horticulture & gardening

*Viburnum opulus*, GM



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## GARDENING WITH NATIVE PLANTS: A PRIMER

Native plants can be rewarding additions to your landscape since they are already adapted to the local climate and soil conditions where they naturally occur. Become acquainted with an array of beautiful and easily grown natives, including perennials, grasses, ferns, shrubs and trees. Learn which plants work well in the conditions of your garden and how gardening with natives makes a positive difference in our environment. Then walk the Garden to see these plants in place.

**Tuesday, May 22, 10:00 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** HOR1537

**Instructor:** Corinna Vanderspek, gardener and native plant enthusiast

**Fee:** \$30 (Member) / \$36 (Nonmember)

**Limit:** 16      **Credit:** Elective-HD/Adv.HD

**Cosponsor:** MA Audubon Drumlin Farm

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## FERNS TO KNOW AND GROW

Nothing evokes serenity and “naturalizes” a landscape like a glade of ferns. Easy to establish, ferns provide dependable, season-long greenery and texture. This course gives you the skills to identify ferns commonly

seen in Rhode Island natural habitats and to select appropriate species to use in a landscape. The program consists of a classroom session and your choice of 2 field trips that you will choose during the classroom session. Field trip options are from 10 a.m.-12 noon on June 10, Fort Barton Woods, Tiverton, RI; June 23, Nicholas Farm, Coventry, RI; July 1, Winnisimet Woods, Tiverton, RI; July 14 Lime Rock Preserve, Lincoln, RI.

**Sunday, June 3, 10 a.m.-12 noon**

Norman Bird Sanctuary, Middletown, RI

**Course Code:** HOR2507

**Leader:** Garry Plunkett, Kathy Barton, Francis Underwood and Doug McGrady, naturalists and fern enthusiasts

**Fee:** \$50 (Member) / \$65 (Nonmember) includes “*Ferns*” *Conservation Notes* of New England Wild Flower Society, a 36-page fern primer.

**Limit:** 24      **Credit:** Elective-all certificates

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## WOODLAND GARDENING – TWO APPROACHES

Visit two private gardens, and in each garden discuss how different areas were created. The advantages and disadvantages of “total advance soil preparation” or “bit-by-bit elimination and augmentation of plant material” will become obvious, and may help you determine how to approach your own project. Subtleties of how the varying amounts of shade and the orientation of paths affect various species will be illustrated and emphasized. Bring a bag lunch.

**Tuesday, June 5, 10 a.m.-2 p.m.**

New London area, NH

**Course Code:** HOR4034

**Instructor:** Thelma Hewitt, gardener

**Fee:** \$35 (Member) / \$40 (Nonmember)

**Limit:** 20      **Credit:** Elective-HD/Adv. HD

**Cosponsor:** The Fells, Newbury, NH

# horticulture & gardening

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## CONTAINER GARDENING WITH NATIVE PLANTS

Forget the petunias and potato vines! Create container plantings using native perennials adapted to our New England environment. Container plantings add accents to your outdoor spaces whether large or small. Learn which natives are ideal for containers and how to combine them effectively. First, explore design elements, container and plant selection, lighting requirements, temperature, growing media, irrigation, fertilization, overwintering, and long-term maintenance. Then assemble and plant your own container under the instructor's guidance. BYOC—bring your own container. (Containers available at a discount for the class at the Garden Shop at Garden in the Woods.) For all sections, the class fee includes potting mix, fertilizer and mulch for your container. Plants will be available for sale at a discount to class participants that day.

**Fee:** \$30 (Member) / \$36 (Nonmember)

**Credit:** Elective-HD/Adv. HD

*Choose one of three sessions:*

**Wednesday, June 6, 10 a.m.-12 noon**

Garden in the Woods, Framingham, MA

**Course Code:** HOR2950

**Instructor:** Laura Eisener, landscape designer, Laura D. Eisener Landscape Design

**Cosponsor:** Cambridge Center for Adult Education

**Saturday, June 9, 10 a.m.-12 noon**

Pomfret, VT

**Course Code:** HOR2953

**Instructor:** Liz Krieg, landscape designer and consultant, Chippers, Inc.

**Tuesday, June 12, 10 a.m.-12 noon**

Nasami Farm, Whately, MA

**Course Code:** HOR2952

**Instructor:** Kate Pawling, Propagator and Operations Manager, New England Wild Flower Society

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## NATIVE PLANT MATERIALS FOR PROFESSIONALS

Join Dan Jaffe for an intensive two-day seminar on the best native plant materials available today. This course covers a variety of herbaceous and woody temperate North American plants that are becoming important for use in the design and landscape trades. Explore native plants from a variety of aspects, including solution plants for tough spots and specialty plants for specific habitats. Emphasis is on identifying plants that reflect the ambient native plant communities, and which lend well to ecologically-informed designs. Whether you've taken "Plants for Professionals" in previous seasons, or if this is your first visit to the class, this session provides new information for all.

**Tuesday, Wednesday, June 19, 20,**

**9:30 a.m.-3:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** HOR1200

**Instructor:** Dan Jaffe, Stockbed Grower, New England Wild Flower Society

**Fee:** \$198 (Member) / \$238 (Nonmember) includes lunches and snacks

**Limit:** 16 participants

**Credit:** Core- Adv. HD; Elective-all certificates

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## WILDFLOWER PROPAGATION I: TRANSPLANTING SEEDLINGS AND ROOTING CUTTINGS

This lecture/workshop covers propagation from cuttings, container growing, and transplantation. We begin with a discussion of basic plant physiology and anatomy, cutting techniques, container design, soil mixes and fertilization. Participants then have an opportunity for guided practice taking cuttings and transplanting seedlings of various wildflowers to take home. Bring a bag lunch and a sharp pair of scissors or pruners. Pots, soil, and a variety of plant materials provided.

**Thursday, June 21, 11 a.m.-4 p.m.**

Nasami Farm, Whately, MA

**Course Code:** HOR3102

**Instructor:** Leslie Duthie, propagation specialist, Norcross Sanctuary

**Fee:** \$68 (Member) / \$82 (Nonmember)

**Limit:** 15      **Credit:** Elective-HD/Adv. HD

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## DESIGN INSPIRATIONS FROM NEW ENGLAND'S WILD LANDSCAPES

Recapture the flavor of your favorite part of New England by designing a native plant community into your garden. The lecture will cover several examples of local naturalistic landscapes, including some wild sites that “just grew”, some managed natural landscapes, and some that were designed as a recreation of a woodland, seacoast, or meadow location.

**Tuesday, July 10, 7-9 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** HOR4039

**Instructor:** Laura Eisener, landscape designer, Laura D. Eisener Landscape Design

**Fee:** \$24 (Member) / \$29 (Nonmember)

**Limit:** 16      **Credit:** Elective-HD/Adv. HD

**Cosponsor:** Ecological Landscaping Association



*Allium canadense*, GM

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## NATIVE HERBACEOUS PLANT MATERIALS: LATE SEASON

This course covers many of the best native North American herbaceous plants for New England landscapes and gardens, looking at those which bloom in the second half of the growing season. We focus on identification, cultural requirements, and how these species can be used effectively in designed and managed spaces. We take advantage of Garden in the Woods as our primary classroom, so be prepared for walking and weather. This course is a companion to HOR1000, but either can be taken separately.

**Wednesdays, August 8, 29, 1-3:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** HOR1050

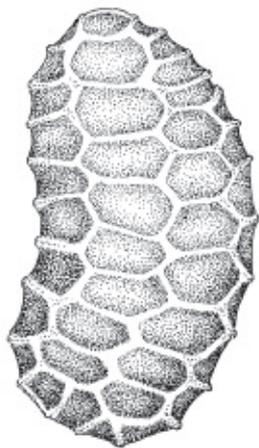
**Instructor:** Jessie Panek, landscape designer

**Fee:** \$70 (Member) / \$82 (Nonmember)

**Limit:** 15

**Credit:** Core-HD; Elective-all certificates

# horticulture & gardening



*Elatine americana*, EF



*Elatine mirima*, EF

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## INTRODUCTION TO SEED SAVING

Learn the basics of harvesting, processing, cleaning, and storing a wide spectrum of native plant seeds in this hands-on workshop. Start with a discussion about the timing of collection, plant identification, determining ripeness, harvesting methods, processing techniques, and proper storage to maintain seed viability. Then venture out into Nasami Farm Sanctuary for some botanizing and seed collection. Returning indoors, we try our hands at cleaning and processing various types of seeds. Bring home the seeds that you clean, and learn firsthand the tremendous benefits that seed-saving brings to the willing gardener.

**Saturday, August 11, 10 a.m.-2 p.m.**

Nasami Farm, Whately, MA

**Course Code:** HOR3205

**Instructor:** Kate Pawling, Propagator and Operations Manager, New England Wild Flower Society

**Fee:** \$54 (Member) / \$65 (Nonmember)  
includes cost for seeds, supplies

**Limit:** 15      **Credit:** Elective-all certificates

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## MEADOW GARDENS

An expanse of meadow, large or small, can be an exhilarating addition to your landscape. The changing array of colors and textures is much more fun than a plain lawn, and can support a much wider range of wildlife including butterflies, bobolinks, and meadowlarks. Meadow gardens also require much less maintenance than a traditional lawn, benefitting from a yearly mowing rather than a weekly one. In this class we will see examples of many meadows and learn how to design and care for one.

**Tuesday, August 14, 9:30 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** HOR4301

**Instructor:** Laura Eisener, landscape designer, Laura D. Eisener Landscape Design

**Fee:** \$36 (Member) / \$43 (Nonmember)

**Limit:** 15      **Credit:** Elective-HD/Adv. HD

# horticulture & design trips

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## RECOVERING FROM CONSTRUCTION: A CASE STUDY

Perkins School for the Blind broke ground for two large new buildings in the fall of 2009, involving the removal and replanting of over 100 trees. Two years later, the trees are in, the new design is done, but at what cost to the trees, the soil, the other plantings and the environment? Tour the site to see firsthand how issues like tree protection, soil compaction and remediation actually worked out. Visit the state-of-the-art greenhouse and other new buildings on this beautiful and historic campus. Bring a bag lunch.

**Saturday, April 14, 10 a.m.-2 p.m.**

Watertown, MA

**Course Code:** HDT1038

**Leader:** Sonia Baerhuk, Lead Groundsperson, Perkins School for the Blind

**Fee:** \$44 (Member) / \$50 (Nonmember)

**Limit:** 21      **Credit:** Field-HD/Adv. HD

**Cosponsors:** Arnold Arboretum of Harvard University and Ecological Landscaping Association

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## MAGNIFICENT CARLISLE GARDENS

Visit two well-designed and breathtakingly beautiful gardens, full of early spring bloom, including many native plants. We begin at a large private garden, created on the site of a colonial farm with more recent history as a garden partially devoted to the cultivation of herbs. Explore a walled garden, woodland garden, pond garden, orchard, and exquisite secret garden with the owner, an avid and knowledgeable gardener. We then travel to a splendid hillside garden with vast iris beds, tended by the owners who have been hybridizing irises here for 21 years. A shaded wildflower walk features some exquisite native plant analogs from Asia. See an inspiring leaf composting operation in action for this

2.5-acre site. Bring a bag lunch and a blanket to enjoy a picnic at the second garden.

**Tuesday, May 8, 10:00 a.m.-1:30 p.m.**

Carlisle, MA

**Course Code:** HDT1039

**Leaders:** Maureen Ruetters; Jan Sacks and Marty Schafer, Joe Pye Weed's Garden

**Fee:** \$38 (Member) / \$44 (Nonmember)

**Limit:** 20      **Credit:** Field-HD/Adv. HD

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## A WESTFORD OASIS

The owner of the O'Brien Farm, a 25-acre oasis in Westford, MA, received a grant for sustainable forestry and was inspired to create a young forest/scrubland that would provide habitat for species in greatest need of conservation. Join Charlie McColough, whose family has owned the property for 125 years, and Denise Pegrum, the landscape designer, to gain knowledge about enhancing wildlife habitats, supporting pollinators, and gardening with native plants. Learn about the farm's history, landscaping progress, and plans for the future. Enjoy the hummingbird and butterfly garden, an entrance garden and a bed of heritage plants and native shrubs.

**Saturday, May 12, 10 a.m.-12 noon**

Westford, MA

**Course Code:** HDT1040

**Leader:** Denise Pegrum, landscape designer

**Fee:** \$22 (Member) / \$25 (Nonmember)

**Limit:** 16      **Credit:** Field-HD/Adv. HD



*Isoetes engelmannii*, EF

# horticulture and design trips

Swida amomum, EF



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## ETHNOBOTANY AT STRAWBERRY BANKE

Explore more than four centuries of garden and landscape history in a site which *Garden Design Magazine* recognizes as one of five sites in the world teaching about change over time in an original landscape. Gardens in this cultural/historic landscape range from recreated 17th century raised bed kitchen gardens, to a High Victorian Garden and hothouse, the gardens of a Ukrainian Jewish immigrant, Colonial Revival and Victory Gardens. Modern teaching gardens include community gardens, a Victorian Children's Garden, teaching orchards and a teaching herb garden.

**Thursday, June 14, 10:30 a.m.-12:30 p.m.**

Portsmouth, NH

**Course Code:** HDT4007

**Leader:** John Forti, Curator of Historic Landscapes at Strawberry Banke

**Fee:** \$22 (Member) / \$25 (Nonmember)

**Limit:** 16      **Credit:** Field-HD/Adv. HD

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## BIRDLAND: A RIVERINE RESTORATION

Explore a wide, riverfront property with a tumbling waterfall, large rain gardens, a wildlife pond, a young native tree forest, a wildflower meadow, and berry gardens. The water gardens entice birds from the wide Assabet River flyway. Learn about this rain garden construction, which utilizes all the

rainwater from the house roof. Discuss the process of working within conservation commission requirements for wetland and riverbank protection and native plant buffers. Come a little early with your bag lunch if you like.

**Saturday, July 14, 1-3:30 p.m.**

Maynard, MA

**Course Code:** HDT1041

**Leader:** Dori Smith, M.Ed, owner, Gardens for Life, Acton, MA

**Fee:** \$27 (Member) / \$31 (Nonmember)

**Limit:** 16      **Course Credit:** Field-HD/Adv.HD

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## DIVERSITY ON A SUBURBAN LOT

Find out how the homeowner, working on a ½-acre property within a homeowner's association-controlled subdivision, has managed to create a beautiful, ecologically-friendly garden habitat. Be inspired by the replacement of a large expanse of lawn with groupings of native trees, shrubs and perennials, creating a variety of attractive habitats that support wildlife, including migrating songbirds, rare butterflies and moths. The garden abuts a covenant-protected natural area that is a buffer zone to nearby roads, but opinions vary about how this "common area" should be managed. Should it be left to grow in its natural state (now mostly invasive plants), mowed like lawn, or carefully managed to encourage regeneration of native plant populations? Join the discussion, it may be lively!

**Sunday, July 15, 1-3 p.m.**

Bloomfield, CT

**Course Code:** HDT3010

**Leader:** Ellen Sousa, landscape designer, author

**Fee:** \$22 (Member) / \$25 (Nonmember)

**Limit:** 16      **Course Credit:** Field-HD/Adv.HD

# horticulture and design trips

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## GARDENS OF THE NASHOBA VALLEY

How does a sustainable, organic garden look five to twenty-three years after it is first planted? Which plant choices are hits and which are not? How did the design evolve? Come visit three Nashoba Valley gardens to study the use of natives and their Asian analogs while addressing these questions. Two gardens are in forest clearings where an understory was recreated, while the third is a woodland, abutting a meadow that has been edited and enhanced. Topics such as invasive removal and replacement, on-site shredding of leaves for mulch, lawn alternatives, and fertility management through compost tea and nutrient balancing will be discussed. Bring a bag lunch to enjoy at the end of the tour.

**Saturday, July 21, 9:30 a.m.-12:30 p.m.**

Townsend, Pepperell, and Groton, MA

**Course Code:** HDT1050

**Leader:** Priscilla Hutt Williams, President, Pumpkin Brook Organic Gardening

**Fee:** \$33 (Member) / \$37 (Nonmember)

**Limit:** 16      **Credit:** Field HD/Adv.HD

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## A DAY OF DELIGHTS

Treat yourself to a day of sensory delights. We begin with a tour of Bedrock Gardens in Lee, NH, where we'll enjoy a combination of horticulture, garden design, and art in a 20-acre integrated series of private spaces. Walk through an array of gardens — Parterre, Asian, Spiral, Bosque, Dark Woods—and enjoy long vistas and water features. The owners introduce themselves as “Jill Nooney, visionary, horticulturist, sculptor, and landscape designer, i.e. the problem maker, and Bob Munger, engineer, water

magician, hardscaper, i.e. the problem solver.” We'll enjoy a catered lunch here and then visit nearby Flag Hill Winery for a private wine tasting and tour. Flag Hill, with NH's largest vineyard, protects 114 acres in a conservation easement supported by the Land and Community Heritage Program. Carpools can be arranged.

**Friday, July 27, 10 a.m. - 2 p.m.**

Lee, NH

**Course Code:** HDT4006

**Leader:** Bonnie Drexler, Education Director, New England Wild Flower Society

**Fee:** \$62 (Member) / \$72 (Nonmember) includes garden admission, catered lunch, wine tasting/ tour

**Limit:** 20      **Credit:** Field-HD/Adv.HD

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## POLLINATOR GARDENING

Join the flocks of pollinators visiting this beautiful country garden designed especially for butterflies and hummingbirds. The owner shares his tips for choosing plants for nectar supply as well as host plants for butterflies and moths. Hear about propagation, cultivation, choice of plants for appropriate sites, and gardening through the seasons with the goal of providing plants for birds and insects through the entire garden year. We'll hopefully have a chance to identify some of the garden's pollinators while we're at it.

**Sunday, August 12, 1-3 p.m.**

*(Rain date: Sunday, August 19, 1-3 p.m.)*

West Whately, MA

**Course Code:** HDT2021

**Leader:** Bill Benner, Past President, Massachusetts Butterfly Club

**Fee:** \$22 (Member) / \$25 (Nonmember)

**Limit:** 16      **Credit:** Field-HD/Adv.HD

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# botany & conservation

## GO BOTANY AND YOU!

The Society's *Go Botany* web tool represents the cutting edge in plant identification for our region and beyond. Just in time for the growing season, use our innovative technology to learn how to identify more than 1200 of the most common native and naturalized plant species in New England. See how you can integrate *Go Botany's* many resources into your botanizing, landscape design, teaching, and other activities. Discover other features such as teaching tools, dichotomous keys, and collaborative social-networking applications to come on-line shortly. Bring your computer or tablet and start identifying our fabulous flora!

**Instructor:** Elizabeth Farnsworth, PhD, Senior Research Ecologist, New England Wild Flower Society, Principal Investigator for the NSF-funded *Go Botany* project

**Free program:** Preregistration required

*Choose one of three sections:*

**Sunday, April 15, 1:30-3:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** LEC5001

**Tuesday, April 24, 12:00-2:30 p.m.**

For Certificate in Native Plant Studies Program students and graduates and Society volunteers

**Brown Bag lunch at noon, program 12:30-2:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** LEC5003

**Sunday, May 6, 1:30-3:30 p.m.**

Nasami Farm, Whately, MA

**Course Code:** LEC5004

## FLORA OF NEW ENGLAND: MEET THE AUTHOR

Get a behind-the-scenes understanding of how New England Wild Flower Society's new *Flora of New England* came to be. Arthur Haines explains why an updated Flora was necessary and shares his stories of plants, places, and people important to him in the creation of this invaluable new manual for botanists, students, and horticulturists.

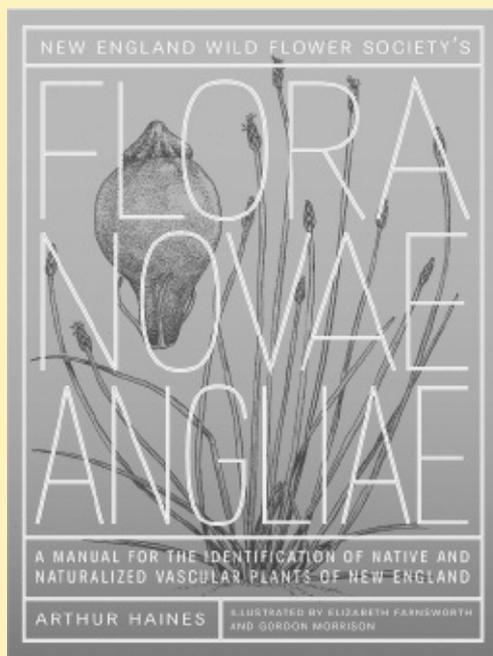
**Thursday, April 19, 6:30-8:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** LEC5000

**Instructor:** Arthur Haines, Research Botanist, New England Wild Flower Society

**Fee:** free lecture with book signing to follow  
Preregistration suggested

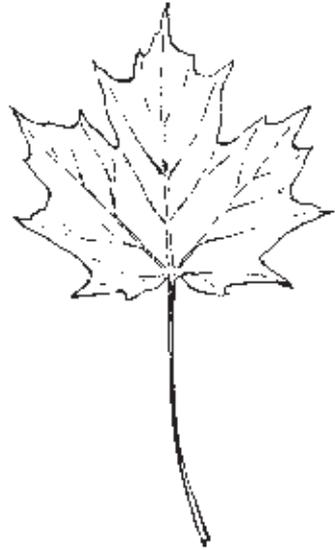


# botany & conservation

*Castanea dentata*, EF



*Acer saccharum*, GM



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## THE AMERICAN CHESTNUT TREE

Less than 100 years ago, eastern U.S. forests were dominated by this majestic species, but by the 1950s, they were almost extinct, succumbing to a lethal fungus infestation known as the chestnut blight. Join wildlife biologist, Curt Laffin, as he discusses the history and demise of this signature tree and efforts by the American Chestnut Foundation to restore it locally and throughout its historic range.

**Fee:** free lecture, registration required

**Instructor:** Curt Laffin, wildlife biologist

*Choose one of two sections:*

**Saturday April 21, 1:00-2:30 p.m.**

The Fells, Newbury, NH

**Course Code:** LEC5161

**Wednesday, June 27, 12:00-1:30 p.m.**

Brown bag lunch at noon,  
program at 12:30 p.m.

Garden in the Woods, Framingham, MA

**Course Code:** LEC5162

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## SYRUP, SEEDS, AND BEES: EXPLORING LINKS IN MAPLE ECOLOGY

Explore the links between pollinator populations, quantity of maple flower and seeds, and sap flow that may be affecting a signature “industry” of New England—maple syrup production. Join us to learn if each factor responds independently to the weather or if there are possibly complex, but subtle, interactions taking place in the sugar bush.

**Monday, April 23, 7:00-8:30 p.m.**

Jamaica Plain, MA

**Course Code:** LEC4052

**Instructor:** Elizabeth Crone, Senior Ecologist,  
Harvard Forest

**Fee:** free lecture, registration required

**Cosponsor:** Arnold Arboretum of Harvard  
University

# botany & conservation

## INVASIVES: ID, ECOLOGY, AND CONTROL

Get a head start on invasive control this year by learning to identify invasives in the early season. This course provides an introduction to about 40 of the most common invasive non-native plants in our local landscapes. Through lecture, discussion, power-point presentation, herbarium specimens, and a walk outside, become familiar with identification clues as well as the habits of a number of these plants that are so disruptive to natural ecosystems. Discuss management techniques for many of these species, on both a home and a landscape scale. The “*Invasives*” issue of the Society’s magazine as well as the *MA Field Guide to Invasives* will be available for purchase at a discount.

**Instructor:** Ted Elliman, Vegetation Management Coordinator, New England Wild Flower Society

**Fee:** \$48 (Member) / \$58 (Nonmember)

**Limit:** 20      **Credit:** Elective-all certificates

Choose one of two sections:

**Wednesday, April 25, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** BOT5107

**Sunday, June 3, 10 a.m.-2 p.m.**

Bartlett Arboretum, Stamford, CT

**Course Code:** BOT5116

**Cosponsor:** Bartlett Arboretum



Rosa multiflora, GM

## WILDFLOWERS OF NEW ENGLAND

A great way to begin the study of native plants, this course focuses on learning to identify wild plants and provides field experience across the spectrum of New England flora. Sessions will cover plant identification using *Newcomb's Wildflower Guide*. Students will become familiar with family characteristics, growth patterns, habitats, and pollination mechanisms of many of our native wildflowers. Practice plant identification and study plant habitats in the field. Bring a hand lens to each class. Required text: *Newcomb's Wildflower Guide*.

**Fee:** \$142 (Member) / \$167 (Nonmember)

**Limit:** 16      **Credit:** Core: FB or HD

Choose one of three sections:

**Thursdays, April 26, May 3, 10, 17, 10 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** BOT3000

**Instructor:** Neela de Zoysa, botanist, author

**Thursdays, April 26, May 3, 17, 6:30-9:00 p.m.; Saturday, May 12, 10:00 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** BOT3001

**Instructor:** Neela de Zoysa, botanist, author

**Wednesday, May 2, 6-9 p.m.; Sunday, May 6, 9 a.m.-1 p.m.; Saturday, May 12, 9 a.m.-1 p.m.**

Norwich, VT, and field site in Lyman, NH for Saturday session

**Course Code:** BOT3007

**Instructor:** Chris Mattrick, botanist, White Mountain National Forest

**Cosponsor:** Montshire Museum, Norwich, VT

# botany & conservation



*Salix bebbiana*, EF

## INTRO TO WILLOW ID

Willows present a challenge for identification. Variation within each species is so high that often plants belonging to different species from the first glance resemble each other even more than those of the same species. However, some characters remain constant and reliable, and with practice willows become more understandable. Learn tips for identification, using mostly common native and non-native species from Massachusetts as examples. Make use of herbarium specimens, dissecting microscopes, and live material. Bring hand lens, lunch, and boots for the field session to site that could be flooded.

**Saturday, April 28, 9:30 a.m.-3:00 p.m.**

Location: Garden in the Woods, Framingham, MA and local site for field session

**Course Code:** BOT3350

**Instructors:** Irina Kadis and Alexey Zinovjev, botanists and willow enthusiasts

**Fee:** \$66 (Member) / \$80 (Nonmember)

**Limit:** 16      **Credit:** Elective-all certificates

**Cosponsor:** Arnold Arboretum of Harvard University

## PLANT FORM AND FUNCTION

This course, formerly known as “Basic Botany,” provides an introduction to general plant anatomy and physiology. Students are introduced to the plant kingdom through slides and live materials. Microscopic study allows for detailed observation of roots, stems and leaves, and their component tissues. Examination of flowers, fruits, and seeds reveals the details of pollination, fertilization, dispersal and germination, emphasizing the relationship between plant form and function.

**Fee:** \$230 (Member) / \$276 (Nonmember)

**Limit:** 16

**Credit:** Core-FB or HD; Elective-all certificates

*Choose one of two sections:*

**Sunday, April 29, May 6, 9:30 a.m.-4:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** BOT1001

**Instructor:** Dr. Judith Sumner, botanist and author

**Thursdays, September 20, 27; October 11, 18, 25; November 1, 6:30-9 p.m.**

Bentley University, Waltham, MA

**Course Code:** BOT1000

**Instructor:** Dr. Nancy Eyster-Smith, botanist



*Agrimonia striata*, EF

# botany & conservation

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## LICHEN DIVERSITY IN RHODE ISLAND

The Norman Bird Sanctuary offers 235 protected acres of woodlands, wetlands, open fields and rocky ridges, all of which support a rich lichen diversity, including the maritime lichens of southeastern New England. Begin with an introduction to the most common lichen species found here, then walk through woodlands and along the Purgatory Conglomerate or “puddingstone” ridges of the Hanging Rock Trail to a view of the Atlantic Ocean. Bring a hand lens, sturdy shoes, bag lunch, water, and a camera if desired. A reading list is provided before class.

**Saturday, May 6, 10 a.m.-3 p.m.**

Middletown, RI

**Course Code:** BOT3636

**Leader:** Elizabeth Kneiper, lichenologist

**Fee:** \$51 (Member) / \$61 (Nonmember)

**Limit:** 12

**Credit:** Core-Adv.FB; Elective-FB

**Cosponsor:** Rhode Island Wild Plant Society

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## NATIVE NEW ENGLAND SHRUBS

The many species of native New England shrubs display a wide variation in size, shape, color, and characteristics of bark, flowers, and fruits. This course introduces students to about 50 species growing in this region. We emphasize identification and familiarity with family characteristics and historic uses. Bring a hand lens to each session. Weekend sessions held in locations off-site with directions provided during the first class.

**Instructor:** Roland “Boot” Boutwell, naturalist

**Fee:** \$215 (Member) / \$258 (Nonmember)

**Limit:** 15

**Credit:** Core-FB or HD; Elective-all certificates

*Choose one of two sections:*

**Wednesdays, May 30, June 6, 13, 6:30-8:45 p.m.;**  
**Saturdays, June 2, 9, 9:00 a.m.-1:30 p.m.**

Garden in the Woods, Framingham, MA and field sites

**Course Code:** BOT3300

**Cosponsor:** MA Audubon Drumlin Farm

**Tuesdays, September 4, 11, 18, 6:30-8:45 p.m.;**  
**Sundays, Sept. 9, 16, 9:00 a.m.-1:30 p.m.**

Garden in the Woods, Framingham, MA and field sites

**Course Code:** BOT3301

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## NEW ENGLAND PLANT COMMUNITIES

The diversity of plant communities in New England is truly astounding, including several forest types, freshwater wetlands, coastal dunes, grasslands, heathlands, tidal marshes, and montane communities. Understanding the dominant canopy species, indicator species, and range helps us to interpret our own landscape’s ecological identity. Lectures cover effects of soils, topography, moisture, geological conditions, and glaciation. Field trips to study the composition and structure of some distinctive plant communities complement the lectures. Extensive handouts included.

**Thursdays, June 7, 14, 21, 6:30-8:30 p.m.;**  
**Saturdays, June 9, 16, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA and field sites

**Course Code:** BOT4000

**Instructor:** Ted Elliman, Vegetation Management Coordinator, New England Wild Flower Society

**Fee:** \$227 (Member) / \$267 (Nonmember)

**Limit:** 16

**Credit:** Core-FB or Adv. HD; Elective-all certificates

# botany & conservation



*Adiantum viridimontanum*, GM

## FERNS OF UNUSUAL SHAPE

This third of three workshops on sections of the New England fern flora includes once-cut ferns, including *Asplenium* and *Polypodium*; triangular blades including *Botrychia*; and a few other oddities – everything not covered in the Fancy Ferns or the Twice-Cut Ferns workshops. Fresh specimens of many of these ferns are provided. Class includes charts of distinguishing characteristics and some microscopic examination by students.

**Saturday, June 9, 10:00 a.m.-4:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** BOT3417

**Instructors:** Don Lubin, Ray Abair, fern enthusiasts

**Fee:** \$78 (Member) / \$94 (Nonmember)

**Limit:** 16

**Credit:** Core: Adv.FB; Elective-all certificates

## WILD EDIBLES: A SUBURBAN FORAY

The Greater Boston area is home to over 150 species of edible wild plants, many of which are more nutritious and flavorful than their cultivated counterparts. Over two dozen edible wild plant species (and, pending favorable weather conditions, edible mushrooms) will be encountered over the course of a three-mile hike in Weston. Keys to the identification of each species will be provided, as well as information on edible portion(s), season(s) of availability, nutritional value and preparation methods, as well as guidelines for safe and environmentally responsible foraging. Following the hike, the group will convene at a nearby home to sample a number of preparations made from these species and others. Bring a notebook and pencil.

**Sunday, June 10, 1-5 p.m.**

Weston, MA

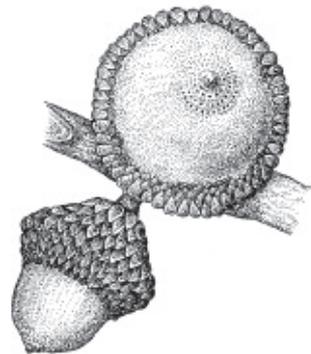
**Course Code:** BOT7002

**Instructor:** Russ Cohen, professional environmentalist and wild foods enthusiast.

**Fee:** \$48 (Member) / \$58 (Nonmember)

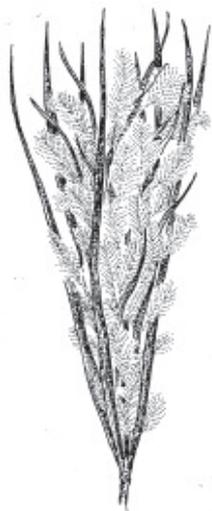
**Limit:** 15 participants

**Credit:** Elective-all certificates



*Quercus coccinea*, EF

# botany & conservation



*Andropogon glomeratus*, EF

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## SURVEY OF GRASSES OF THE NORTHEAST

This workshop focuses on the grasses which are in identifiable condition in late spring and early summer. Key identification characteristics are given for 10 tribes and 60 or so genera of common grasses using dried specimens and microscope displays. Following a morning session of lecture and observation of plant materials, there is an afternoon field trip to observe as many grasses as can be found in the time available. Students are expected to have a good understanding of basic botanical nomenclature and concepts. Bring a bag lunch and a good 10x to 15x hand lens.

**Thursday, June 21, 9 a.m.-3 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** BOT3516

**Instructor:** Dennis Magee, author, environmental consultant

**Fee:** \$72 (Member) / \$87 (Nonmember)

**Limit:** 16

**Credit:** Core-Adv.FB; Elective-all certificates

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## INVASIVES AT SQUAM LAKES

Learn about some of the most common invasive non-native plants in our local landscapes and a few that are a bit more uncommon (at the moment). Through lecture, discussion, examination of dried specimens, and a walk, become familiar with identification clues as well as the habits of a number of these plants that are so disruptive of natural ecosystems. Discuss management techniques on both a home and a landscape scale and visit some control demonstrations on site.

**Sunday, July 15, 12-4 p.m.**

Squam Lakes Natural Science Center

**Course Code:** BOT5117

**Instructor:** Chris Mattrick, Botanist, White Mountain National Forest

**Fee:** \$48 (Member) / \$58 (Nonmember)

**Limit:** 16      **Credit:** Elective-all certificates

**Cosponsor:** Squam Lakes Natural Science Center

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## MORE NATIVE NEW ENGLAND SHRUBS

This course begins where the core course "Native New England Shrubs" leaves off. Using Garden in the Woods as our field site, we learn about 15 shrubs not covered in the core course, including *Cephalanthus occidentalis* (buttonbush), *Prunus maritima* (beach plum), *Vaccinium macrocarpon* (large cranberry), and *Lindera benzoin* (spicebush). Course emphasizes both identification and natural history. Collect leaf samples for further reference. Prerequisite: "Native New England Shrubs" or equivalent.

**Sunday, July 15, 10:00 a.m.-2:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** BOT3320

**Instructor:** Roland "Boot" Boutwell, naturalist

**Fee:** \$54 (Member) / \$65 (Nonmember)

**Limit:** 15      **Credit:** Elective-all certificates

# botany & conservation

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## FUN AT THE PHILBRICK-CRICENTI BOG

This entertaining bog walk, complete with puppets and puns, will focus on bog formation (glacial origins, peat development and succession over time, etc.), wetland ecology, as well as lots of specific botanical observations. The Philbrick-Cricenti bog has an array of classic bog plants to explore, including carnivorous pitcherplants, sundews and bladderworts, as well as white-fringed orchis, bog rosemary, and others.

**Thursday, July 19, 10 a.m.-12 noon**

Newbury, NH

**Course Code:** BOT5013

**Instructor:** Michael Caduto, author, naturalist

**Fee:** Free program, registration required

**Limit:** 24

**Cosponsors:** The Fells, Lake Sunapee Protective Association

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## NATURAL COMMUNITIES OF MAINE

Become familiar with Maine's characteristic assemblages of plants, their defining physical environments, and the natural processes that affect them. In the classroom and in the field, learn the differences between community types such as salt marshes, red maple swamps, northern hardwood forests, bogs, and flood plain forests. Find out which common plants occur in each natural community type, and what plant adaptations are key to competing successfully in the various communities. The primary reference for this course will be *Natural Landscapes of Maine: A Guide to Natural Communities and Ecosystems* by Susan Gawler and Andrew Cutko. Bring lunch and wear sturdy shoes that can get wet.

**Friday, July 27, Saturday,  
July 28, 10 a.m.-4 p.m.**

Coastal Maine Botanical Gardens, Boothbay, ME and local field sites

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**Course Code:** BOT4004

**Instructor:** Ted Elliman, Vegetation Management Coordinator, New England Wild Flower Society

**Fee:** \$100 (Member) / \$120 (Nonmember)

**Credit:** Core: Adv.FB; Elective-FB

**Cosponsor:** Coastal Maine Botanical Gardens

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## GORDON MORRISON: LIFE AS A FIELD ARTIST

Meet nature artist and illustrator Gordon Morrison and learn how he does his work as a field artist, either to pick up some tips for your own work or to discover how an artist's choice of work led him to a deepening commitment to nature. Gordon shares samples of his sketches, finished works, and book illustrations as well as the kit of materials he keeps in his car just in case he finds an urge to draw from nature, which happens pretty frequently. This is your chance to meet an extraordinarily talented naturalist and learn how nature illustration is done from an artist's point of view. A book-signing will follow at the Garden Shop.

**Saturday, July 28, 10:00 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** BOT6006

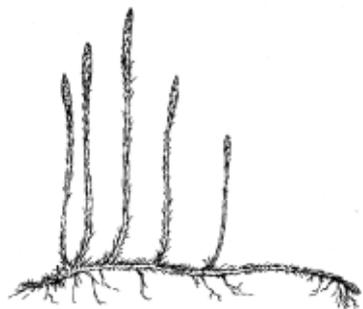
**Instructor:** Gordon Morrison, artist, author, illustrator of *Newcomb's Wildflower Guide* and *Flora Novae Angliae*

**Fee:** \$30 (Member) / \$36 (Nonmember)

**Limit:** 16

**Cosponsor:** Wellesley Friends of Horticulture

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*Lycopodiella appressa*, CM

# botany & conservation

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## SURVEY OF LATE SEASON GRASSES OF THE NORTHEAST

This workshop focuses on the grasses which are in identifiable condition in late summer and early fall. Key identification characteristics are given for 10 tribes and 60 or so genera of common grasses using dried specimens and microscope displays. Following a morning session of lecture and observation of the plant materials, there is an afternoon field trip to observe as many grasses as can be found in the time available. Students are expected to have a good understanding of basic botanical nomenclature and concepts. Bring a bag lunch and a good 10x to 15x hand lens.

**Thursday, September 13, 9 a.m.-3 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** BOT3517

**Instructor:** Dennis Magee, author,  
environmental consultant

**Fee:** \$72 (Member) / \$87 (Nonmember)

**Limit:** 16

**Credit:** Core-Adv.FB; Elective-all certificates

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## RHODE ISLAND GOLDEN- RODS OF FIELD AND FOREST

The goldenrod species of Rhode Island comprise a substantial proportion of the late-summer and fall herbaceous flora of the state. All are native to the region, and many are showy. Though some species are common, and considered “weeds,” a few are quite rare, and deserve protection, lest they disappear. While some goldenrod species are so similar they can be difficult to distinguish, most are fairly easy to recognize. This workshop will focus on identifying the most common species, as well as a select few of the more reclusive ones. A trip to a field location with a variety of habitats will follow a brief indoor presentation. Bring a bag lunch, hand lens and sturdy hiking boots.

**Saturday, September 15, 10 a.m.-2 p.m. (Rain date: Sunday, September 16, 10 a.m.-2 p.m.)**

Grills Preserve, Westerly, RI

**Course Code:** BOT3017

**Instructor:** Arieh Tal, naturalist and goldenrod enthusiast

**Fee:** \$40 (Member) / \$50 (Nonmember)

**Limit:** 14      **Credit:** Elective-all certificates

**Cosponsor:** Rhode Island Wild Plant Society



*Carex rariflora*, EF

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## UNDERSTANDING BOTANICAL AND HORTICULTURAL NAMES

During this workshop on plant nomenclature, students have the opportunity to sort out the confusion often associated with plant names. Discuss common names, binomial scientific names, and the history of nomenclature since Linnaeus. Review the current rules of nomenclature and see why and how plant names sometimes change. Practice looking at a variety of plant names for clues to the plant characteristics. Attention is also given to the names of species and hybrids in cultivation and the meaning of cultivar names. This course is equivalent to “Introduction to Plant Systematics,” module one of the five-part series in plant systematics.

**Sunday, September 16, 1-4 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** BOT2205

**Instructor:** Dr. Judith Sumner, botanist and author

**Fee:** \$44 (Member) / \$53 (Nonmember)

**Limit:** 20

**Credit:** Core-Adv. FB; Elective—all certificates

# wetlands

## BASIC WETLAND IDENTIFICATION AND DELINEATION

This two-day introductory course is for environmental consultants, conservation officers and commissioners, and anyone seeking to understand interpretation and conservation of wetlands. It provides a foundation in the principal elements of wetland identification — wetland hydrology, hydric soils, and hydrophytic plants. Participants can directly participate in field identification and the placement of a delineation line, as well as utilize web resources for preparation. For the NH session, subtle differences in delineation criteria in NH, MA and for Federal jurisdiction will be very briefly discussed. Recommended gear: field/work clothes, clip board/field notebook, plant field guides, soil color charts and auger (if you already own), bug repellent, sunscreen, and rain gear. Both days, bring a bag lunch. Extensive handouts provided and some pre-class reading required.

**Fee:** \$169 (Member) / \$203 (Nonmember)

**Limit:** 12

**Credit:** Core-Adv.FB; Elective-all certificates

*Choose one of two sections:*

**Thursday, June 28, Friday, June 29, 9 a.m.-4 p.m.**

Newbury, NH

**Course Code:** WET2009

**Instructor:** Martin C. Michener, Ph.D, wetland scientist

**Cosponsor:** The Fells, Newbury, NH

**Thursday, August 2, Friday, August 3, 9 a.m.-4 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** WET2010

**Instructor:** Alan Anacheke-Nasemann, Ecologist, Regulatory Commission, U.S. Army Corps of Engineers



*Sarracenia purpurea*, GM

## WETLAND PLANT IDENTIFICATION

In this workshop we focus on a variety of wetland community types, their ecology, and common indicator species. Following a short introductory lecture, we visit wetland habitats, including a red-maple swamp, a flood-plain marsh, and a pond. While in the field, take advantage of the season by exploring ferns, sedges, and various aquatic species, as well as shrubs and trees. Bring a hand lens, lunch, and come prepared for wet feet in the field.

**Wednesday, July 25, 9:30 a.m.-3:00 p.m.**

Garden in the Woods and field site

**Course Code:** WET1000

**Instructor:** Ted Elliman, Vegetation Management Coordinator, New England Wild Flower Society

**Fee:** \$66 (Member) / \$80 (Nonmember)

**Limit:** 12

**Credit:** Elective-all certificates

# field trips

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## SIGNS OF SPRING AT WILL'S WOODS

Leave the beaten track and explore parts of the Garden's natural areas, about two-thirds of its 45 acres. See why Will Curtis fell in love in the 1930's with this glacially-formed property, as we identify a diversity of trees, shrubs, and herbaceous species. Encounter interesting species such as American hornbeam, spicebush, and marsh marigold, while focusing on ID characteristics and natural history. Bring a hand lens if you have one, and a favorite field guide.

**Friday, April 27, 10 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Course Code:** FDT1036

**Leader:** Roland "Boot" Boutwell, naturalist

**Fee:** \$22 (Member) / \$27 (Nonmember)

**Limit:** 16      **Credit:** Field-FB/Adv.FB

**Cosponsor:** MA Audubon Drumlin Farm

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## SOUTH MOUNTAIN

This wonderful property contains rich mesic woods abounding with spring ephemerals and ferns which will be glorious at this time of year. We should see wild leek, squirrel-corn, hepatica, blood-root, blue cohosh, early meadow-rue, walking spleenwort, nodding wakerobin, red columbine, among others. This is a moderate to slightly challenging hike. Participants will need a good sense of balance and comfort moving on uneven loose surfaces. Bring water-resistant hiking boots, hand lens, field guides, and a bag lunch.

**Saturday, May 5, 10 a.m.-3 p.m.**

Pittsfield, MA

**Course Code:** FDT2041

**Leader:** Nancy Goodman, naturalist

**Fee:** \$45 (Member) / \$55 (Nonmember)

**Limit:** 15      **Credit:** Field-FB/Adv.FB

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## SPRING FLORA AT CHAPEL BROOK

Visit a spectacular site to discover a rich mesic forest, with masses of spring ephemerals and a host of ferns, such as silvery false spleenwort, narrow-leaved glade fern, and rattlesnake fern. Canada white violet and Dutchman's-breeches grow side-by-side with Carolina spring-beauty and two-leaved bishop's cap. Though short, the hike is moderately strenuous with a short hike to the summit of Pony Mountain. Bring water-resistant hiking boots, hand lens, field guides, and a bag lunch.

**Sunday, May 6, 10:30 am to 2:30 pm**

Ashfield, MA

**Course Code:** FDT2054

**Leader:** Arie Tal, naturalist and botanical photographer

**Fee:** \$36 (Member) / \$44 (Nonmember)

**Limit:** 12      **Credit:** Field-FB/Adv.FB

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## SPRING AT SACO HEATH

This outstanding botanical site is perhaps the southernmost example of a raised bog in North America, dating back 12,000 years when glacial activity created adjacent water-filled kettle holes. Saco Heath formed when these ponds filled with decaying plant matter which became peat. Rhodora should be in glorious bloom along with tamarack, black gum, labrador tea, leatherleaf, pitcher-plant, cotton grass, and Atlantic white cedar. Bring lunch and a hand lens if you have one.

**Saturday, May 12, 10 a.m.-2 p.m.**

Saco, ME

**Course Code:** FDT3011

**Leader:** Roland "Boot" Boutwell, naturalist

**Fee:** \$36 (Member) / \$44 (Nonmember)

**Limit:** 10      **Credit:** Field-FB/Adv.FB

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# field trips

*Cypripedium parviflorum* var. *makasin*, GM



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## LADY'S-SLIPPERS OF MIDDLESEX FELLS

Geological and biological forces, thousands of years of human use, and recent land-protection efforts have shaped this area into a unique urban wilderness. A diverse landscape of rocky hills (fells), oak and hickory forests, ponds, wetlands, vernal pools, panoramic vistas, and intriguing geological features distinguish this woodland. Pink lady's-slippers should be in abundant bloom. Look also for teaberry, Indian soap, and the "toilet paper tree." Bring a lunch and a hand lens if you have one.

**Tuesday, May 15, 10 a.m.-2 p.m.**

Winchester, MA

**Course Code:** FDT1091

**Leader:** Roland "Boot" Boutwell, naturalist and Certificate Graduate

**Fee:** \$36 (Member) / \$44 (Nonmember)

**Limit:** 15

**Credit:** Field-FB/Adv.FB

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## ORRIS FALLS CONSERVATION AREA

In 1889, author Sarah Orne Jewett called the gorge where the stream tumbles 90 feet, "the most exquisite of glens." Learn about Jewett's connection with this site and enjoy

abundant wildflowers including Carolina spring-beauty, blood-root, trailing-arbutus; ferns; trees such as shagbark hickory and basswood; and shrubs like maleberry and high-bush blueberry. See the remains of an ancient volcanic caldera, a gigantic "Balancing Rock," an extraordinarily rich area of vernal pools and wetlands, draining into a marshy area dammed by beaver. The trip is of moderate difficulty, covering about 3.5 miles at a leisurely pace, with a small amount of off-trail exploring. Bring a lunch, water, and insect repellent.

**Saturday, May 19, 10 a.m.-2 p.m.**

South Berwick, ME

**Course Code:** FDT3016

**Leader:** Barbara Grunden, naturalist

**Fee:** \$27 (Member) / \$33 (Nonmember)

**Limit:** 12

**Credit:** Field-FB/Adv.FB

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## FIRE ECOLOGY AT THE MONTAGUE PLAIN

The 1500-acre area has been the focus of research on fire ecology for many years. It preserves an outstanding example of a dry outwash pitch pine-scrub oak barren natural community. The site supports more than 20 species of conservation concern, both plant and animal. Hike through areas treated mechanically and burned at different seasons over the last 12 years, exploring the impacts of fire on plant and animal ecology. Bring lunch and appropriate footwear.

**Saturday, May 19, 10 a.m.-1 p.m.**

Montague, MA

**Course Code:** FDT2059

**Leader:** Tim Simmons, Restoration Ecologist, MA Natural Heritage & Endangered Species Program

**Fee:** \$27 (Member) / \$33 (Nonmember)

**Limit:** 15

**Credit:** Field-FB/Adv.FB

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# field trips

## FLORA NOVAE ANGLIAE IN THE FIELD: CATHEDRAL LEDGE

Well known to rock climbers and vacationers who enjoy sweeping views of the Saco River Valley from atop its 500-foot granite face, Cathedral Ledge is also a botanical destination. Along its eastern flank is a rich, rocky slope with bountiful spring-ephemeral flora. Travel along the cliff base, identifying violets, sedges, crowfoots, and many others. Summit the small peak and survey the dry cliff-top flora as well. This intermediate level class is designed for students with a basic botanical background who want to further their proficiency. Special challenges provided for more advanced students. Bring a copy of the new *Flora Novae Angliae* if possible. Expect loose, uneven ground and come prepared for the weather. Bring a bag lunch, hand lens, and ample water.

**Sunday, May 20, 10 a.m.-3 p.m.**

North Conway, NH

**Course Code:** FDT7037

**Leader:** Arthur Haines, Research Botanist, New England Wild Flower Society, author, *Flora Novae Angliae*

**Fee:** \$55 (Member) / \$62 (Nonmember)

**Limit:** 12

**Credit:** Field-FB/Adv.FB



*Viola subsinuata*, GM



*Diapensia lapponica*, GM

## MOUNT LAFAYETTE AND BEYOND

Explore the alpine zone of the Franconia Range of the White Mountains. In this hostile, yet compelling environment grow some of New England's most uncommon plants. Despite regular gale force winds, tiny amounts of soil, and extreme temperatures, native flora has found a way to survive. Participants should have good balance, good knees, and be prepared for rigorous hiking. Join us for this two-day excursion where we will use the AMC's Greenleaf Hut to explore the wonderful plants and habitats of the Franconia Range. The species we will see are far too numerous to list. Suffice it to say....you won't be disappointed

**Full details at**

**[www.newenglandwild.org/learn/adult](http://www.newenglandwild.org/learn/adult)**

**Friday, June 1, 9 a.m.-Saturday, June 2, 5 p.m.**

Lincoln/Franconia, NH

**Course Code:** FDT4038

**Leader:** Chris Mattrick, Botanist, White Mountain National Forest, NH

**Fee:** \$260 (Member) / \$312 (Nonmember)

**Limit:** 10

**Credit:** Field-FB/Adv.FB

**Details:** Fee includes one night's lodging at AMC's Greenleaf Hut, dinner on Day 1, breakfast on Day 2 and permit fee for White Mountain National Forest. Lunch on both days is up to the participant, but can be purchased at the Hut for a modest fee. Registration includes a \$50 non-refundable fee. Deadline for registration or refunds is April 30, 2012.

# field trips

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## CASTLE IN THE CLOUDS

High in the Ossipee mountains above Lake Winnepesaukee is a mountaintop estate built in 1913. The property encompasses some of the best preserved and most diverse flora in NH. Explore trails ranging from up to 1600 feet leading to the summit, Bald Knob. Encounter three old growth communities – semi-rich, red oak-dominated northern hardwoods; oak woodlands; and dry oak/pine forest. More than 100 rare plant stations are found here, including species adapted to the unique pH and seepage characteristics of the soils. Bring a bag lunch, water, and wear sturdy shoes for this moderately strenuous botanical foray.

**Saturday, June 16, 10 a.m.-4 p.m.**

Moultonborough, NH

**Course Code:** FDT4027

**Leader:** Rick Van de Poll, PhD, Principal, Ecosystem Management Consultants of New England

**Fee:** \$54 (Member) / \$66 (Nonmember)

**Limit:** 15      **Credit:** Field-FB/Adv.FB

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## FERNS ET AL. OF THE OPACUM WOODS

The moonworts should be out in late June, and with luck we will see both *Botrychium angustisegmentum* and *B. matricariifolium*, as well as a few other members of the genus *Botrychium*. Quite a variety of other common and several not-so-common ferns and club-mosses will be observable on this fairly level hike of moderate length through a rich woods. Wear long pants and good shoes and bring a lunch, water, and insect repellent.

**Saturday, June 23, 11 a.m.-3 p.m.**

Sturbridge MA

**Course Code:** FDT7031

**Leaders:** Don Lubin, Ray Abair, fern enthusiasts

**Fee:** \$36 (Member) / \$44 (Nonmember)

**Limit:** 15      **Credit:** Field-FB/Adv.FB

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## EXPLORING GREAT MEADOWS

The refuge includes some 250 acres of shallow emergent marshland and silver maple floodplain forest, oak-hickory woodlands, and successional pine forest. Meet local rarities including Britton's violet, river bulrush, tufted loosestrife, marsh horsetail, and with luck, a basking Blanding's turtle. At peak early summer bloom, encounter a wide variety of wildflowers and flowering shrubs, while also keeping watch for butterfly eggs and caterpillars. Bring insect repellent, binoculars, and a camera if you like.

**Sunday, June 24, 9:30 a.m.-12 noon**

Concord, MA

**Course Code:** FDT1111

**Leader:** Cherrie Corey, naturalist and photographer

**Fee:** \$22 (Member) / \$27 (Nonmember)

**Limit:** 16      **Credit:** Field-FB/Adv.FB

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## A REMEDY FOR CRAZINESS

Have you ever found yourself out on a hike without your toothbrush...or even worse, toilet paper? Find out about Indian toothbrush, the "toilet paper tree," and a few plants that you can use to make herbal teas. And just in case its needed, learn a Chippewa remedy for craziness. Identify a variety of trees, shrubs, and wildflowers and hear stories of their uses by indigenous people, colonial Americans, and modern-day folks.

**Sunday, June 24, 9:30 a.m.-12:30 p.m.**

Arcadia Wildlife Sanctuary, Easthampton, MA

**Course Code:** FDT2047

**Leader:** Roland "Boot" Boutwell, naturalist

**Fee:** \$15 (Member) / \$20 (Nonmember)

**Limit:** 16      **Credit:** Field-FB/Adv.FB

**Cosponsor:** Mass Audubon at Arcadia

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# field trips

*Dryopteris campyloptera*, EF



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## SQUAM LAKE AQUATICS BY CANOE OR KAYAK

This beautiful lake has nesting loons, bald eagles, and 65 miles of nearly pristine shoreline interspersed with 100+ year-old camps. We launch our craft for Five Finger Point, with 400-year-old black gum swamps, a loon nest, exceptional views of an eagle nest, rare plants, and diverse aquatic vegetation. The intrepid participant can skin-dive to look at rare aquatic vegetation. Although the dive is optional, a swim is not soon to be forgotten! Bring appropriate water, lunch, and gear for being out all day. When registering, indicate if you would like breakfast at the camp before the trip (\$10) and/or a boat rental (\$40).

**Friday, June 29, 9:30 a.m.-3:30 p.m.**

Holderness, NH

**Course Code:** FDT4039

**Leader:** Dr. Rick Van de Poll, Principal, Ecosystem Management Consultants of New England

**Fee:** \$54 (Member) / \$66 (Nonmember) plus optional breakfast and boat rental fees

**Limit:** 15 participants

**Credit:** Field-FB/Adv.FB

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## FERNS OF BEAR SWAMP

This large, rich woods in west-central Massachusetts has considerable pteridophyte diversity. Highlights include some unusual wood ferns such as *Dryopteris clintoniana*, *D. goldiana*, and even a hybrid or two. Most common ferns and a few other less common ones will be seen, e.g. rattlesnake fern. Bring a bag lunch, water, insect repellent and appropriate footwear.

**Sunday, July 8, 11:00 a.m.-3:30 p.m.**

Ashfield, MA

**Course Code:** FDT2057

**Leaders:** Don Lubin, Ray Abair, fern enthusiasts

**Fee:** \$40 (Member) / \$49 (Nonmember)

**Limit:** 15 **Credit:** Field-FB/Adv.FB

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## KNOW THE NATIVES

Get acquainted with our native flora as learn how to ID wildflowers in the field at three different habitats in western MA. Begin at the Society's Nasami Farm, exploring the stream-bank and meadow habitats for different wildflowers to key out and learn. Then head off to two Franklin Land Trust sanctuaries to practice our ID skills and see what wonders we might find. Bring lunch, water, insect repellent, hand lens, and *Newcomb's Wildflower Guide* if you have one. Dress for bushwhacking through fields and woods.

**Saturday, July 14, 10 a.m.-3 p.m.**

Whately, MA

**Course Code:** FDT2055

**Instructor:** Nancy Goodman, naturalist

**Fee:** \$45 (Member) / \$55 (Nonmember)

**Limit:** 14 **Credit:** Field-FB/Adv.FB

**Sponsor:** Franklin Land Trust

# field trips

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## ANTS AND PLANTS OF BARTON WOODS

Join two authors of the new *Field Guide to the Ants of New England* for a day of discovering ants in a botanically rich forest. Catch ants using your hands or specialized equipment. Identify ants using only a hand lens. Along this moderate, 1.7 mile walk with gentle hills, visit a variety of habitats including floodplain, pond-shore, boulder fields, and diverse oak uplands with several unusual plant species. Wear clothing and shoes that protect against wet and ticks. Bring lunch, water and a hand lens.

**Saturday, July 14, 10 a.m.-3 p.m. (Rain date: Sunday, July 15, 10 a.m.-3 p.m.)** Tiverton, RI  
**Course Code:** FDT7038

**Leaders:** Aaron Ellison, Senior Ecologist, Harvard Forest, and Elizabeth Farnsworth, Senior Research Ecologist, New England Wild Flower Society

**Fee:** \$45 (Member) / \$55 (Nonmember)  
**Limit:** 15      **Credit:** Field-FB/Adv.FB

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## AQUATIC PLANTS OF THE BERKSHIRES

Join us for a day-long field trip to compare two very different aquatic habitats, differing in water pH, vegetation and level of disturbance. Visit the acidic, soft-water Bog Pond in Savoy which is pristine and invasive free. Then travel to the alkaline, hard-watered Berkshire Pond, a highly eutrophic pond with many aquatics and invasives. We will see a good representation of *Potamogeton* and *Myriophyllum*. Bring water, lunch and a canoe or kayak.

**Saturday, July 21, 10 a.m.-4 p.m.**  
Adams, Savoy, and Lanesborough, MA  
**Course Code:** FDT2058

**Leader:** C. Barre Hellquist, PhD, aquatics specialist  
**Fee:** \$45 (Member) / \$55 (Nonmember)  
**Limit:** 15      **Credit:** Field-FB/Adv.FB

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## RATTLESNAKE MOUNTAIN

This large hill is a favorite of rope climbers. It has many common ferns, club-mosses, and horsetails, and several that are not common. It is one of few places to see Fragrant Cliff fern (*Dryopteris fragrans*). Woodsias are another highlight. Uphill hiking will definitely be a part of this trip. Bring a bag lunch, water, insect repellent and appropriate footwear.

**Sunday, July 22, 11:00 a.m.-3:30 p.m.**

Rumney, NH

**Course Code:** FDT4040

**Leaders:** Don Lubin, Ray Abair, fern enthusiasts

**Fee:** \$40 (Member) / \$49 (Nonmember)

**Limit:** 15      **Credit:** Field-FB/Adv.FB

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## KETTLE PONDS ON THE CAPE

Explore two beautiful kettle ponds on the Cape - Cliff Pond and Little Cliff Ponds at Nickerson State Park. Hike the three-mile trail around Cliff Pond looking for typical pond shore species and some species only found at kettle ponds. These include pink tickseed, sweet pepperbush, St. John's wort, goldenrods, wintergreen, highbush blueberry, and pickerel weed, among others. Bring a bag lunch, water, hand lens, field guides, insect repellent, and a swim suit if you like, although there are no changing facilities.

**Saturday, August 11, 10 a.m.-3 p.m.**

Brewster, MA

**Course Code:** FDT1112

**Leader:** Nancy Goodman, naturalist

**Fee:** \$45 (Member) / \$55 (Nonmember)

**Limit:** 15      **Credit:** Field-FB/Adv.FB

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# field trips

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## MAINE NORTH WOODS: WETLAND AND WILDLIFE ECOLOGY

Explore quiet lakes, rivers and streams in Piscataquis County, Maine by canoe or kayak. Paddle through beautiful, wild, wetland systems as we discuss their origin, evolution, and botany. Details at [www.newengland-wild.org/learn](http://www.newengland-wild.org/learn).

**Saturday, August 18, 8:30 a.m.-Sunday, August 19, 12 p.m.**

Guilford, ME

**Course Code:** FDT3017

**Instructor:** C. Diane Boretos, wetland scientist and wildlife biologist

**Limit:** 8

**Credit:** Field- two credits FB/Adv.FB

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## FLORA NOVAE ANGLIAE IN THE FIELD: PHELPS POND

Phelps Pond is a small body of water with a coastal plain flora which hosts a diverse assemblage of plants, including rare species. The adjacent uplands will also be surveyed by the students. This intermediate level class is designed for students with a basic botanical background, who want to further their proficiency. Special challenges provided for more advanced students. Bring a copy of the new *Flora Novae Angliae* if possible. Expect wet ground (waders not necessary). Come prepared for the weather and bring a hand lens, bag lunch, and ample water.

**Sunday, August 19, 10 a.m.-3 p.m.**

West Greenwich, RI

**Course Code:** FDT7039

**Leader:** Arthur Haines, Research Botanist, New England Wild Flower Society, author, *Flora Novae Angliae*

**Fee:** \$55 (Member) / \$62 (Nonmember)

**Limit:** 12

**Credit:** Field-FB/Adv.FB

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*Bolboschoenus fluviatilis*, GM

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## MERRYMEETING BAY

Visit the Society's Robert Tristram Coffin Sanctuary to explore its most special habitat, the tidal mud flat on the edge of Merrymeeting Bay. Due to the huge volume of water in the bay, saline water from the ocean rarely flows in, creating a large expanse of fresh tidal river shore habitat with many freshwater tidal plants. Visiting at low tide, we walk into the mudflats and observe the rare and unusual flora that inhabits freshwater tidal marshes. Documented species include wild rice, bulrushes, bayonet rush, and the rare estuary beggarticks, mudwort, sessile-fruited arrowhead, and hooded arrowhead. Bring lunch, a hand lens, and be prepared for wet feet.

**Sunday, September 9, 1:30-4:30 p.m.**

Woolwich, ME

**Course Code:** FDT3004

**Instructor:** Barbara Grunden, naturalist

**Fee:** \$20 (Member) / \$24 (Nonmember)

**Limit:** 15

**Credit:** Field-FB/Adv.FB

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# children & families

**ALL PROGRAMS AT GARDEN IN THE WOODS, FRAMINGHAM, MA**  
**Instructor:** Bonnie Drexler, Education Director, unless otherwise indicated  
See [www.newenglandwild.org/learn/children](http://www.newenglandwild.org/learn/children) for detailed descriptions.

## FROG MOON NIGHT HIKE

What strange quacks, trills, and peeps can be heard coming from ponds and bogs on a spring evening?

**Monday, April 9, 6:30-8:00 p.m.**

**Children with Adult Companion**

**Fee:** \$10 (Member) / \$12 (Nonmember) per person



## FAIRIES IN THE GARDEN

Let's use our sharpest senses to find where tiny woodland fairies might be living in our Garden.

**Wednesday, May 23, 3:30-5:30 p.m.**

**Children in Grades K-2**

**Fee:** \$14 (Member) / \$17 (Nonmember)

## SUMMER SOLSTICE

Celebrate the season with solstice history and lore, poetry, songs, stories, and a short ceremony to welcome in the solstice.

**Tuesday, June 19, 7-9 p.m.**

**Adults or Children with Adult Companion**

**Fee:** \$10 (Member) / \$12 (Nonmember) per person

**Instructor:** "Boot" Boutwell

## DINOSAUR ADVENTURE

Explore the Garden to find living fossils and learn about ancient plants that could have been dinosaur food.

**Thursday, June 28, 10 a.m.-12 noon**

**Children in Grades K-2**

**Fee:** \$14 (Member) / \$17 (Nonmember)

## NATURE AT NIGHT

Using our senses of touch, sight, smell, hearing, and even taste, we will explore the world of nature after dark.

**Friday, August 17, 7:30-9 p.m.**

**Children with Adult Companion**

**Fee:** \$10 (Member) / \$12 (Nonmember) per person

## CATTAIL NATURE KIDS

Search the pond edge for frogs and turtles, dip for pond life, create nature-inspired crafts, visit with creatures of the forest floor, marvel at natural wonders with our powerful stereo-microscopes and much more.

**Fee:** \$190 (Member) / \$228 (Nonmember)

**Tuesday through Friday**

**July 31, August 1, 2, 3, 9:30 a.m.-2:30 p.m.**

**Ages 5-6**

**Tuesday through Friday**

**August 7, 8, 9, 10, 9:30 a.m.-2:30 p.m.**

**Ages 7-9**

# registration

## REGISTER BY MAIL

Send completed registration form with your payment to: Registrar, New England Wild Flower Society, 180 Hemenway Road, Framingham, MA 01701. Use a separate copy of the form for each applicant. Please do not mail cash.

## REGISTER BY TELEPHONE OR FAX

Credit card registrations (MasterCard or Visa) can be made by calling the Registrar at 508-877-7630, ext. 3303, or by faxing to 508-877-3658.

## Registration Form

Name of person filling out form: .....

Participant's name (if different): ..... Age (if under 18): .....

Address: .....

City, State, ZIP: .....

Email: .....

Phone: Day ..... Evening .....

Course code	Course name	Start date	Fee
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....

I want to join the Society. Please indicate membership level fee here (see inside back cover).

I would like to enroll in the Certificate Program (see page 2).  \$30 (This is a one-time fee.)

## PAYMENT

Total: \$

Check enclosed (payable to New England Wild Flower Society)

Credit card # .....

Visa  MasterCard Exp. date .....

Name on card .....

Billing address (if different from above) .....

Signature .....

## MEMBERSHIP STATUS & POLICY STATEMENT

I am a current member of New England Wild Flower Society:

Yes, membership # .....  No

I am a current a member of ..... (Cosponsor organization)

I have read and accept the Cancellation & Refund Policy (inside back cover).  Yes  No

# registration information

For registration form, see page 32.

Advance registration is required for all fee-based courses and is accepted on a first-come, first-served basis upon full payment. Upon registration, you will receive a confirmation letter, including course locations and any recommended reading and supplies. Early registration is encouraged; programs with insufficient registration may be cancelled three to five business days before the scheduled start date. If your requested course is filled, you will be put on a waiting list and your credit card will not be charged or your check will be returned. When space becomes available, you will be contacted according to your position on the waiting list. **Sorry, we cannot accept walk-in registrations.**

## CANCELLATION & REFUND POLICY

**SOCIETY CANCELLATIONS, CHANGES & INCLEMENT WEATHER:** The Society reserves the right to cancel courses, change times or locations, and substitute instructors. If a class is cancelled by the Society, you will receive a full refund. In the event of any course change, you will be notified as soon as possible. Courses and field trips run rain or shine. However, in

the event of extremely inclement weather, please call the Registrar, 508-877-7630, ext. 3303, to see if your course has been rescheduled. The Registrar or instructor will make every effort to inform you by telephone or email of any change. Please include day and evening phone numbers and your current email address on the registration form.

**YOUR CANCELLATION & REFUND:** To cancel and receive a refund, you must withdraw at least one week before a course's start date. No refunds or transfers can be given for withdrawals within a week of the course start date, from courses already in progress, or for class sessions you have not attended. Ten percent of the registration fee (minimum of \$5) will be deducted from all refunds, excluding classes cancelled by the Society, except where otherwise noted. No cancellation fee will be assessed if the course fee is less than \$10.

## EQUAL ACCESS

If you need assistance or special accommodations, please inform the Registrar, 508-877-7630, ext. 3303, at the time you register, or as soon as possible, in order to allow us to make the best efforts to meet your needs.

# membership information

## Join us... and strengthen our mission

The ultimate membership benefit is the satisfaction of knowing you are making a difference in the health of our environment and New England's natural habitats.

Additional benefits include:

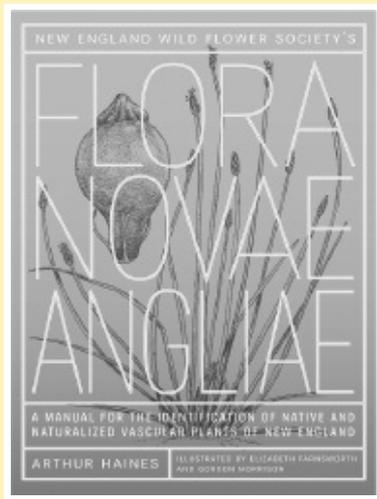
- Up to 20% discount and priority registration on hundreds of courses, workshops, symposia, and field trips. **Join when you register for immediate discounts on courses.**
- Unlimited free admission to Garden in the Woods, the region's premier native wildflower botanic garden (Does not apply to Associate Membership.)
- 10% discount on purchases from our native plant sales area at Garden in the Woods and Nasami Farm
- 10% discount on most book and gift items
- Invitations to member's only events

- Subscriptions to the Society's publications
- Borrowing privileges at our 4,500+ volume botanical library
- Discounts at select New England and mail-order nurseries

## Membership levels

- Individual \$50
- Individual Plus \$60
- Family/Friends \$70 (\$75 after 4/1/12)

For more information on membership benefits, Corporate Membership, and discounted Associate and Student memberships, please contact Karen Pierce, Development and Membership Director, at 508-877-7630, ext. 3801, [kpierce@newenglandwild.org](mailto:kpierce@newenglandwild.org) or visit [www.newenglandwild.org/membership](http://www.newenglandwild.org/membership).



## ***Flora Novae Angliae***

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**See page 14 inside for programs on  
*Flora Novae Angliae* and *Go Botany***

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