

2012 Delaware Cooperative Extension Horticulture Short Courses



Cooperative Extension

COLLEGE OF AGRICULTURE &
NATURAL RESOURCES

Happy New Year from Delaware Cooperative Extension!

Enclosed is the 2012 University of Delaware Cooperative Extension Ornamental Horticulture Short Course schedule. This year our courses begin in February and continue through the spring, including short course topics such as integrated pest and disease management, turf weeds, insects and diseases, pruning, soil health, and insect identification. We have scheduled courses in each county to address a variety of subjects, offer nutrient management and pesticide credits to help you maintain your certification (s), and introduce you to both new and existing programs and resources. To register for a short course, contact your county office.

Delaware Cooperative Extension has many services to offer you throughout the year in New Castle, Kent and Sussex counties. Take advantage of the Plant Diagnostic Clinic and request help in identifying plants and their pests. Visit your county office to tour the demonstration gardens, purchase soil tests, and request information on plants, insects, and/or diseases, rain gardens, composting, integrated pest management, and *Plants for a Livable Delaware*. New this year, plan to attend the *Delaware Livable Lawns* short course or pick up a pamphlet at your county office to learn more about how you can commit to reducing the use of fertilizers and pesticides in Delaware lawns. Finally, contact your county office to sign up for *Ornamentals Hotline*, a publication designed to fit the green industry's needs in the height of the growing season.

We look forward to working with you in 2012. Please don't hesitate to call or e-mail if you need additional assistance.

Sincerely,

Handwritten signature of Tracy Wootten in cursive.

Tracy Wootten
Extension Agent
wootten@udel.edu
(302) 856-7303

Handwritten signature of Carrie J. Murphy in cursive.

Carrie Murphy
Extension Agent
cjmurphy@udel.edu
(302) 831-2506

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Soil Health

Credits: 2 Nutrient, 1 CNP

February 14 4-6 pm

New Castle County Extension Office, Newark, DE

\$10

February 23 4-6 pm

Sussex County Extension Office, Georgetown, DE

\$10

Soil improvement is an ongoing process - discover some options available to you. This session will cover organic and amendments - with the emphasis on COMPOST!

Instructors: Carrie Murphy, Rose Ogutu and Tracy Wootten

Christmas Tree Production

Credits: 2 Pest., 1 CNP

February 21 4-6 pm

Delaware Department of Agriculture
2320 South DuPont Hwy, Dover, DE

\$10

Learn to identify and control important insect pests and plant diseases that affect Christmas Trees in production.

Instructors: Jeff Brothers, Nancy Gregory, and Brian Kunkel

TURF Workshop

Credits: 2 Nutrient, 1 CNP

TBA

1/2 day session

Sussex County Extension Office, Georgetown, DE

Learn more about the voluntary LIVABLE LAWNS program for Delaware and how it can benefit your business, What should you be looking for this season with insects and diseases of turf, a turf herbicide update and more.

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Livable Lawns

Credits: 1 Nutrient, 1CNP

March 5

4-5 pm

New Castle County Extension Office, Newark, DE

\$5

While many homeowners are unaware of how, when, and how much fertilizer to apply, professional lawn care staff have the expertise to fertilize lawns correctly. The Livable Lawns Program certifies lawn care companies that follow environmentally-friendly practices in fertilizer application while educating homeowners. Join us to learn more about this initiative, the rationale behind it, and how your company can profit by participating in this program.

Instructor: Susan Barton



Sustainable Landscape Design

Credits: 1 Nutrient, 1 CNP

March 7

4-6 pm

Kent County Extension Office, Dover, DE

\$10

Learn how you can incorporate sustainable design components into any landscape project. We will cover design concepts such as rain gardens, wildlife habitat, proper plant selection and placement as well as the incorporation of natural areas within planned landscapes. We will also cover maintenance concepts such as recycling organic materials and mowing management.

Instructor: Susan Barton

Diseases and Insects of Turf

Credits: 2 Pest., 1 CNP

March 13

4-6 pm

New Castle County Extension Office, Newark, DE

\$10

March 20

4-6 pm

Kent County Extension Office, Dover, DE

\$10

Join Brian, Nancy and Bob for an evening review of common insects and diseases found in turfgrass. Options for managing these pests with cultural tactics, biological control or chemicals will be discussed.

Instructors: Nancy Gregory, Brian Kunkel and Bob Mulrooney

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Pruning Trees and Shrubs

Credits: 1 CNP, 2 ISA

March 27 4-6 pm

\$10

Sussex County Extension Office, Georgetown, DE

April 5 4-6 pm

\$10

Kent County Extension Office, Dover, DE

April 10 4-6 pm

\$10

New Castle County Extension Office, Newark, DE

This class is being offered to professional arborists and others in the green industry who often have trees and shrubs that need to be pruned for safety, health or aesthetic reasons. Participants will become familiar with growing points, pruning specific species and schedules, reasons for pruning and techniques used to accomplish the desired 'end' result. We will also discuss and demonstrate equipment needed, care and safety issues. Bring your pruning tools and a pair of work gloves. We will be conducting a pruning activity.

Instructors: Dot Abbott and Richard Pratt

Hands-On Insect Identification

Credits: 2 Pest., 1 CNP each

April 10 and April 12 (register for one or both sessions as different material will be covered in each session) 4-7 pm \$10/session

College of Agriculture and Natural Resources Campus, Townsend Hall, Room 012

Correct identification is key to control of pests in the landscape. This hands-on course in the laboratory will enhance your skills at identifying insects in the landscape.

Instructor: Brian Kunkel

Pest and Beneficial Insect Walk

Credits: 2 Pest., 1 CNP

June 19 6-8 pm

University of Delaware Botanic Gardens (UDBG), meet at Fischer Greenhouse on the College of Agriculture and Natural Resources campus **\$10**

June 26 6-8 pm

Sussex County Extension Office, Georgetown, DE **\$10**

Tour the grounds of the UDBG in Newark OR the Carvel Center in Georgetown to identify pests AND beneficial insects in the landscape.

Instructors: Brian Kunkel, Carrie Murphy, and Tracy Wootten

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Delaware Cooperative Extension is willing to come to you!

If you have 10 or more people, we will conduct a workshop at your site on insects, diseases, weeds, cultural problems, sustainable landscapes, business skills or other nursery or landscape industry topics that interest you and your employees. Cost is \$10/person.

Scheduling is based on availability of the instructor with expertise in the topic you choose.

Contact your local County Extension Agent:

Carrie Murphy (302-831-2506), New Castle County
Tracy Wootten (302-856-7303), Sussex County

Delaware Cooperative Extension Horticulture Short Course Instructors:

Dot Abbott, Renewable Resources Extension Agent, UD
Susan Barton, Extension Ornamental Specialist, UD
Jeff Brothers, Plant Industries, Delaware Department of Agriculture
Valann Budischak, Extension Associate, Plant & Soil Sciences, UD
Nancy Gregory, Extension Associate, Plant & Soil Sciences, UD
Rose Ogutu, Horticulture Specialist, Delaware State University
Brian Kunkel, Extension Ornamental IPM Specialist, UD
Bob Mulrooney, Extension Plant Pathologist, UD
Carrie Murphy, New Castle County Extension Agent, UD
Richard Pratt, ISA Certified Arborist-Hagley Museum & Library
Tracy Wootten, Sussex County Extension Agent, UD

Pesticide Applicators Testing Program:

Tests given at Delaware Department
of Agriculture (DDA), Dover, DE,
1-4 p.m. on February 29,
March 28, April 25 and May 30, 2012

Questions? Contact Steve Carter,
302.698.4575 or
steved.carter@state.de.us
[http://ddd.delaware.gov/pesticides/
cert.shtml](http://ddd.delaware.gov/pesticides/cert.shtml)

Certified Nursery Professional Exam - March 14, 2012

Delaware Department of
Agriculture, Dover, DE

For More Information:
Valann Budischak, DNLA
(888)-448-1203
<http://www.dnlonline.org>

Nutrient Management Questions?

Certification Classes:
[http://ag.udel.edu/extension/
NutriManage/sessionschedule.htm](http://ag.udel.edu/extension/NutriManage/sessionschedule.htm)

Continuing EducationClasses:
[http://ag.udel.edu/extension/
NutriManage/continuinged.htm](http://ag.udel.edu/extension/NutriManage/continuinged.htm)
or

Contact Sydney Riggi at 302.856.2585
ext. 571, Sydney@udel.edu



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UNIVERSITY OF DELAWARE BOTANIC GARDENS' (UDBG) EVENTS

The University of Delaware Botanic Gardens sponsors events for gardeners and commercial landscapers. The UDBG is a wonderful resource for the nursery and landscape industry. The Spring plant sale is a great place to buy unusual plants with limited availability in the nursery and landscape trade. The sale benefits student internships as well as growth and development of the UDBG. **To register for UDBG programs, email botanicgardens@udel.edu or phone 302-831-2531 or visit the UDBG website** for more information on visiting the garden, plant descriptions, educational tours and programs, and how to get involved. <http://ag.udel.edu/udbg/>

Plant Sale Preview - Wednesday, March 14 from 7 - 9 pm

The Commons, Townsend Hall, College of Agriculture and Natural Resources in Newark
Free to UDBG Friends members; \$10 non-members

This lecture highlights plants featured in the plant sale. UDBG Director John Frett will present many of the plants offered in the sale.

Guided Walk of 2012 Plant Sale Highlights - Wednesday, April 4 and Thursday, April 5

from 4:00-5:30 pm

Departing from Fischer Greenhouse

Free to UDBG Friends members; \$5 non-members.

Dr. John Frett will take you on a guided walk to show you UDBG landscape size plants that will be offered in the plant sale and give a preview of the containerized plants. Min:10 ; Max:25 people

UDBG Plant Sale - Friday, April 27 from 3 - 7pm and ***Saturday, April 28*** from 9:30 am to 4 pm

The UDBG spring plant sale is held on Ag Day each year. Plants include perennials, tender perennials, shrubs, small flowering trees, evergreens and shade trees. Plant sizes range from quarts to 15 gallons. The 2012 Plant Sale Catalog will be available digitally in mid- March on the UDBG website: <http://ag.udel.edu/udbg> .

Natural Sources of Perfume and Friends Bi-annual Meeting – Wednesday, May 9 from 7-9 pm

The Commons, Townsend Hall, College of Agriculture and Natural Resources in Newark

Free to UDBG Friends members; \$10 non-members

Today, only about 30% of the perfume ingredients are from natural plant sources in the international commercial market. Yet, most of these 30% remain indispensable. Join us in this fascinating lecture by **Dr. Arthur O. Tucker**, as he presents the major perfumery odors via images and perfume blotters and discusses their fascinating history and essential oils. At Delaware State University in Dover, he is a botanist specializing in the identification and chemistry of plants of flavor, fragrance, and medicine. In his capacity as Research Professor and Director of the Claude E. Phillips Herbarium, he has worked with all age groups and a wide variety of ethnic groups, to help them better appreciate herbs. As an advisor and writer for numerous scientific and popular gardening magazines, Dr. Tucker has helped untold numbers grow healthier herbs, bring in better harvests, and simply enjoy herbal flavors and fragrances more fully. Dr. Tucker is the author of *The Encyclopedia of Herbs: A Comprehensive Reference to Herbs of Flavor and Fragrance*.

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New Castle County

Register with: Carrie Murphy, New Castle County Extension Office
461 Wyoming Road, Newark, DE 19716
302-831-2506 or cjmurphy@udel.edu

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|---|---------------------|--------|
| Soil Health | February 14 | 4-6 pm |
| Livable Lawns | March 5 | 4-5 pm |
| Diseases and Insects of Turf | March 13 | 4-6 pm |
| Pruning Trees and Shrubs | April 10 | 4-6 pm |
| Hands-On Insect Identification | April 10, 12 | 4-7 pm |
| Pest and Beneficial Insect Walk (UDBG) | June 19 | 6-8 pm |

Kent County

Register with: Kent County Extension Office,
69 Transportation Circle, Dover, DE 19901
302-730-4000 or carolm@udel.edu

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|---|--------------------|--------|
| Christmas Tree Production (Del. Dept. of Ag) | February 21 | 4-6 pm |
| Sustainable Landscape Design | March 7 | 4-6 pm |
| Diseases and Insects of Turf | March 20 | 4-6 pm |
| Pruning Trees and Shrubs | April 5 | 4-6 pm |

Sussex County

Register with: Tracy Wootten, Sussex County Extension Office
16483 County Seat Highway, Georgetown, DE 19947
302-856-7303 or wootten@udel.edu

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|--|---------------------|---------|
| Soil Health | February 23 | 4-6 pm |
| Turf Workshop | TBA (Spring) | 1/2 day |
| Pruning Trees and Shrubs | March 27 | 4-6 pm |
| Pest and Beneficial Insect Walk | June 26 | 6-8 pm |

Pesticide, Certified Nursery Professional , Nutrient Management and ISA credits awarded for participation, please refer to each course for specifics.

Please check our website: <http://ag.udel.edu/extension/horticulture/> or call the County Extension Office for more information.