

NYBG/125

ADULT EDUCATION | SPRING-SUMMER 2017

NEW YORK BOTANICAL GARDEN



Welcome!

NYBG's spring term comes with a renewed focus on biodiversity, preservation, and environmental stewardship. In March the Garden gathers NYBG scientists and guest experts for three symposia devoted to the dynamic relationships of humans to plants in the face of climate change and its many threats. In April we offer our Urban Naturalist Certificate—a valuable credential for citizen scientists and nature-lovers. It's the latest addition to our full slate of enriching courses in science, horticulture, art, design, wellness, and the environment.

April also marks the return of Dale Chihuly's monumental glass sculptures to The New York Botanical Garden after more than ten years. So come take a class and stay to enjoy his captivating, nature-inspired installations—an amazing experience both day and night. We look forward to seeing you soon!

If you have never taken a class with us before... welcome to the catalog. Each section leads off with short, intro classes you can take just for fun. As a matter of fact, you may register for any class that doesn't have a prerequisite, including those labeled "Certificate Elective" or "Certificate Requirement."

If you are a returning student... welcome back! We have dozens of new classes and workshops for you to explore and discover.

If you are on a new career path or thinking about a career change... now could be the time to upgrade your professional profile and actively pursue a prestigious NYBG Certificate. Acquire new skills and contacts. Demonstrate cross-disciplinary experience. Catch up with the latest industry changes. A NYBG Certificate is a serious credential that tells employers and clients that you've made a serious commitment to your professional development.

Choose from a wide variety of day, evening, and weekend classes at the Garden or at our Midtown Education Center. Our programs are made to fit your needs, as well as your schedule.

Registration is now open. Please visit nybg.org/adulted or call 718.817.8747. Prices listed are Member/Non-Member. Not a Member yet? Call 718.817.8703.



Want to jump on the fast track? Take advantage of an opportunity to really accelerate your progress in Floral Design, Botanical Art, Landscape Design, Horticultural Therapy, or Gardening by enrolling in one of our **Summer Intensive Programs**. You can complete up to half the requirements toward your Certificate in just a few weeks! For more information, see the Summer Intensive sections throughout the catalog.

Contents

2	Symposia <i>Entwined: Plants, Exploration, and Our Future</i> <i>Threshold: Biodiversity, Climate, and Humanity at a Crossroads</i> <i>Preserving the Mighty Oak</i>
3	Urban Naturalist Certificate Program
5	Botanical Art & Illustration
11	Botany
14	Crafts & DIY
17	Floral Design
23	Gardening
31	Horticulture
37	Horticultural Therapy
41	Landscape Design
46	Photography
49	Wellness
50	Academic Policies & Procedures
51	Professional Societies, CEUs, & Academic Programs
52	Classes at Midtown Education Center, Bard, and New Canaan

inside back cover
Registration & General Information

ABOUT THE COVER: GARDEN REFLECTIONS, HIU LAI CHONG
On a warm, sunny Sunday last June two dozen artists spread out across the Garden grounds for NYBG's First Annual Plein-Air Invitational. Their work, all completed that day, is featured on our cover and throughout this catalog. Join us for this year's plein-air day on Sunday, June 11, 2017.



ENTWINED: Plants, Exploration, and Our Future

Friday, March 3 | 10 am
Ross Hall, NYBG

Exploration has been at the core of the Garden's mission since its founding—and is more urgent now than ever in the face of global environmental change. This symposium focuses on the vital role exploration plays in understanding the entwined relationships of plants to the well-being of humans and ecosystems, and the challenges for sustaining those relationships over time.

For the Garden's scientists, exploration takes place at all scales and in all places—from discovering genes for drought resistance in the lab, to identifying threatened species in the rain forest, to documenting vanishing traditional medicinal plant knowledge—empowering us to understand plants in whole new ways, both today and tomorrow.

Moderated by Dr. Barbara M. Thiers, *Entwined* will feature presentations by Garden scientists who work in locations as near as New York City and as far-flung as the Pacific island nation of Vanuatu.

SPEAKERS:

Barbara M. Thiers, Ph.D., Moderator
Patricia K. Holmgren Director, William and Lynda Steere Herbarium

Barbara Ambrose, Ph.D.
Associate Curator of Plant Genomics

James Lendemer, Ph.D.
Assistant Curator, Institute of Systematic Botany

Gregory Plunkett, Ph.D.
Director and Curator, Cullman Program for Molecular Systematics

Robin Sleith, Ph.D. Candidate
Graduate Fellow

Ina Vandebroek, Ph.D.
Matthew Calbraith Perry Assistant Curator of Economic Botany and Caribbean Program Director, Institute of Economic Botany

After the symposium, attendees are invited to the Ross Gallery for a preview of *What in the World is a Herbarium?*, a special exhibition celebrating the Steere Herbarium as the centerpiece of the Garden's world-renowned research program. Tours of the Herbarium will be offered as well.

173BOT802 | Member \$10/Non-Member \$20

Entwined and *What in the World is a Herbarium?* ARE MADE POSSIBLE IN PART BY THE INSTITUTE OF MUSEUM AND LIBRARY SERVICES [MA-10-15-0133-15].



THRESHOLD: Biodiversity, Climate, and Humanity at a Crossroads

Presented by the Humanities Institute in collaboration with the Center for Science and Society of Columbia University

Thursday, March 9 | 10 am
Ross Hall, NYBG



Humanity has reached a crossroads in the effort to combat climate change and protect biodiversity. As Earth's temperature rises closer to the danger limit set forth in the Paris Agreement, so does the risk of a range of truly catastrophic

events, including extreme weather, rising sea levels, and mass extinctions. How have we come so close to a critical threshold? How can we stop ourselves from crossing it?

In *Threshold*, three renowned scholars discuss the implications of the climate crisis for the future of life on Earth.

SPEAKERS:

Shahid Naeem, Ph.D., is Chair of Ecology in the Department of Ecology, Evolution, and Environmental Biology at Columbia University, and Director of Science in the Earth Institute Center for Environmental Sustainability.

Ursula Heise, Ph.D., is Chair in Literary Studies in the Department of English and the Institute of the Environment and Sustainability at the University of California, Los Angeles.

John Nagle, Ph.D., is Professor of Law at the University of Notre Dame where he teaches courses on environmental law, legislation, and property in the United States and China.

Doors open at 9 am.
Registration and coffee in the Ross Gallery

173BOT801 | Member \$10/Non-Member \$20

Support for the Humanities Institute provided by The Andrew W. Mellon Foundation

Preserving the Mighty Oak

Friday, March 10 | 8:30 am–1:30 pm
Ross Hall, NYBG

Oaks form the arboreal framework of the forests, parks, and gardens of the Northeast. They provide shade, valuable timber, and food for wildlife ranging from black bears to the larvae of Horace's Duskywing butterflies. Unfortunately, environmental change and an increasing number of introduced pests and diseases are threatening the health of oaks throughout our region, leaving gardeners, arborists, and nature lovers wondering what they can do.

In *Preserving the Mighty Oak*, four celebrated experts discuss the natural and cultural history of oaks, the challenges that face them, and best practices for promoting their health.



©Heath Cajandig, Sunset Burr Oak

The Horticultural and Cultural Importance of Oaks

Bill Logan is the founder, president, and lead arborist of Urban Arborists, and a member of the American Society of Consulting Arborists.

The Ecological Importance of Oaks in the Northeast

Bill Schuster, Ph.D., is the Executive Director of Black Rock Forest Consortium and serves on the Board of the Hudson Highland Land Trust.

Diseases of Oaks

George Hudler, Ph.D., recently concluded a 40-year career with Cornell University, focused on research, teaching, and public outreach relating to diseases of trees and shrubs in the Northeast and now serves on the Board of Trustees of The Tree Fund. His talk will cover Phytophthora, Oak Wilt, and Bacterial Leaf Scorch among others.

Insects that Afflict Oaks and Best Practices for Keeping Oaks Healthy

Neil Hendrickson, Ph.D., is the Northeast Technical Support Specialist for the R. A. Bartlett Research Laboratories. He is a N.J. Certified Tree Expert, a member of the Society of American Foresters, and a Qualified Tree Risk Assessor.

173HRT805 | Member \$30/Non-Member \$35
CEUs to be applied for: DEC-3; ISA-3

Welcome to NYBG's New

URBAN NATURALIST

CERTIFICATE PROGRAM

In this teeming metropolis we call home, nature is all around us whether we pause to carefully observe it or not. Amaranth springs through the cracks in our sidewalks; migrating warblers rest in our parks; horseshoe crabs scuttle onto our beaches to breed. As a NYBG Urban Naturalist, you will have a unique opportunity to explore these diverse habitats while discovering the keys that unlock their many secrets.

The NYBG Urban Naturalist Certificate Program will equip you with the observation, interpretation and documentation skills necessary to become a citizen scientist and an effective environmental steward. Led by Mike Feller, our team of expert naturalists, including Ken Chaya and Nancy Slowik, will use the NYBG's grounds and select NYC City Parks as living labs to investigate the interrelationships between species, and discover how our urban environment sustains those ecosystems.

This five-week program focuses on vascular and non-vascular plants, invertebrates and vertebrates of New York City's uplands and coastal wetland ecosystems, emphasizing the critical conservation issues facing each locale.



Photos ©Mike Feller

During the course, students will:

- Carefully observe the natural world using all five senses.
- Use scientific tools, including a metric ruler, loupe, dichotomous key, and binoculars, to identify plant and animal species.
- Create scientifically useful written descriptions and photographic records of observation.
- Interpret nature by leading walks, uploading to iNaturalist or NYBG's New York City EcoFlora project, or presenting independent observations and experiences.
- Explore phylogeny and genetic connections using the Tree of Life.
- Identify key environmental conservation issues that affect New York City.
- Hear specialized talks by renowned Garden scientists.



Program Coordinator Mike Feller spent 31 years as Chief Naturalist for NYC Parks Natural Resource Group (NRG), where he led a team of 25, supervised the design and execution of myriad ecological restorations, and oversaw NRG's environmental education program. Mike spearheaded the creation of the Forever Wild Program that established 51 nature preserves throughout New York City. His photos of urban nature have appeared in many books, magazines, and corporate offices.

QUESTIONS?

CONTACT MIKE FELLER AT
MFELLER@NYBG.ORG



The Program takes place three times a week for five weeks. Weekday classes combine lectures and hands-on activities on the Garden grounds, while Saturday classes take place in the field. Spring excursions will include extensive work in the Thain Family Forest, near the Bronx River, Central Park, and Pelham Bay Park, among other locations.

Wednesdays, 4/19–5/17, 10 am–1 pm
Thursdays, 4/20–5/18, 10 am–1 pm
Saturdays, 4/22–5/20, 10 am–4 pm

NYBG | 174NAT300
Special Introductory Rate:
Member \$995/Non-Member \$1,095
After March 15:
Member \$1,145/Non-Member \$1,259

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 800.322.NYBG (6924)

BOTANICAL ART & ILLUSTRATION



Plein-air ©Lisa Egeli, *Native Bird Bath* (detail), Oil | Native Plant Garden, NYBG

Are you a plant person, an art person, or both? Contemporary botanical art combines these interests to capture the beauty of the natural world. NYBG offered North America's first formal botanical art certificate program, and has remained a leader in the discipline for more than three decades. A well-rounded array of courses can be enjoyed singly, just for fun, or lead to a Certificate.

THE CERTIFICATE PROGRAM

The Botanical Art & Illustration requirements provide a solid foundation in scientifically accurate drawing based on observation and fine art techniques. Those who achieve the highest level of accomplishment receive a Certificate in Botanical Art & Illustration with Honors, an indication of superior work.

During the course of the program, students will:

- Acquire skills in drawing and/or painting accurately and beautifully.
- Develop techniques needed to re-create amazing detail, natural color, and convincing form.
- Gain knowledge of basic morphological features of plants.
- Learn elements of successful composition—whether for scientific illustration or fine artwork.
- Through electives, learn the history of botanical art and explore various specialty subjects.
- Develop a personal aesthetic and a strong artistic identity.
- Enjoy access to the exceptional collection of botanical art in the Garden's LuEsther T. Mertz Library and the library of the American Society of Botanical Artists.



“Studying at NYBG has been an amazing experience. The courses are taught by award-winning, exhibiting artists who truly care about the education and success of their students. When one of my pieces was chosen for a prestigious exhibition, I’m not sure who was more excited...my teachers or me!”

—TAMMY McENTEE
2017 Graduation Candidate



Summer Intensive classes July 10–August 11

Advance your artistic development quickly! Newcomers to Botanical Art & Illustration can complete Botanical Drawing I & II in just four weeks—less than half the normal time! Current and advanced students can choose from a selection of required classes also offered in a reduced time frame. See class listings for descriptions, instructors, and fees.

THE CLASSES

Botanical Drawing I: Methods and Materials
Monday, Wednesday, & Friday, July 10–24
(no class 7/19), 10 am–1 pm | NYBG | 181BIL301C

Monday, Wednesday, & Friday, July 31–August 11
10 am–1 pm | Manhattan | 181BIL301D

Botanical Drawing II: Developing Your Skills
Monday, Wednesday, & Friday, July 31–August 11
10 am–1 pm | NYBG | 181BIL302C

Pen and Ink
Monday, Wednesday, & Friday, July 10, 12, & 14
10 am–4:30 pm | NYBG | 181BIL400

Colored Pencil
Tuesday–Thursday, July 18–7/27 (no class 7/26)
10 am–1:20 pm | NYBG | 181BIL415B



**GET NYBG
CERTIFIED**








At NYBG, extraordinary instructors share their expertise in a nurturing yet rigorous program designed to bring out the best in each student artist. Whether you are looking for personal enrichment or a professional credential, the NYBG Certificate is a prestigious indicator of mastery and accomplishment.

Robin A. Jess, Program Coordinator
Laura Vogel, Foundations Advisor
Mary Christiansen, Natural Science Advisor

**QUESTIONS? CONTACT PROGRAM
COORDINATOR ROBIN JESS AT
BILCOORDINATOR@NYBG.ORG**













CERTIFICATE REQUIREMENTS


These core classes provide a strong, well-rounded foundation that prepares the student for higher-level classes. These classes can also be taken singly.

COURSE	CODE	HOURS	PAGE
Plant Morphology for Botanical Artists	BIL 300	20	8
Botanical Drawing I: Methods and Materials	BIL 301	18	7
Botanical Drawing II: Developing Your Skills	BIL 302 	18	7
Botanical Drawing III: Focus on Flowers	BIL 303 	18	7
The Basics of Visual Composition	BIL 421 	18	8
Botanical Watercolor	BIL 331 	24	8
Practical Aspects of Botanical Art*	BIL 392 	10	—
<i>Plus one of the following:</i>			
Internet Tools for Creatives, Part I: Social Media*	BIL 394	5	—
Internet Tools for Creatives, Part II: Website*	BIL 395	5	—
Pen and Ink	BIL 400 	18	9
Colored Pencil	BIL 415 	18	9
Elective courses		54	
TOTAL REQUIRED HOURS		223**	

ELECTIVES

Students seeking a Certificate may focus their electives on watercolor, colored pencil, drawing—or a mix of those—or they may choose a natural science concentration. This approach will assist the student in producing a cohesive group of paintings, drawings, or illustrations for their Certificate project.

COURSE	CODE	HOURS	PAGE
Drawing Spring Trees In Bloom	BIL 323	6	7
Presentation and Preservation Workshop	BIL 374	6	9
Bulbs, Roots and Greens that Spring Forth	BIL 314	12	6
Scaling up: Enlarging	BIL 328	10	7
Spring Flowering Bulbs in Colored Pencil and Watercolor	BIL 405 	15	7
Colored Pencil on Black Paper	BIL 363 	15	8
Refined Graphite Rendering	BIL 370 	12	8
Intro to Gouache: Plants	BIL 358 	15	7
Bird’s Nest in Silverpoint	BIL 351 	12	8
Focus on Technique—Watercolor Dry Brush	BIL 372 	15	8
Intro to Watercolor on Vellum	BIL 367 	15	8
Creating Dark Velvety Textures	BIL 306 	10	8
From Plant to Paper	BIL 318 	8	8
Ink Wash Techniques	BIL 407 	15	9
Drawing and Painting Songbirds	BIL 612 	18	9
Butterflies, Moths, & Pollinating Insects	BIL 613 	15	9

*Courses offered in the Fall-Winter Catalog
**Plus a final project that meets Certificate standards
 Courses with a prerequisite before you can register

For the Tri-State Botanical Artists (TSBA) at NYBG and professional art organizations, see p. 51.

STUDENT INFORMATION

CLASS MATERIAL:

- A materials list for every class is included in the course description on our website and in your confirmation email.
- Please bring lunch to classes meeting all day.

HOMEWORK:

Homework will be assigned and it is expected that it will be completed in order to fully benefit from the class. A final project will be due if you wish the course to count toward a Certificate.

FINAL PROJECT FOR CERTIFICATION:

If you plan to graduate in June 2017, the final project due date is April 28, 2017. Guidelines for the Botanical Art & Illustration final project can be obtained from the Registration Office (718.817.8747).

THE CLASSES

BOTANICAL WATERCOLOR FOR BEGINNERS AND BEYOND

Enjoy painting botanical watercolors in a relaxed atmosphere. This class is designed for both inexperienced students and those who wish to improve their skills. Sign up for one section, or several! Lectures and demonstrations are enhanced by individual instruction. Work at your own pace on a variety of pieces.

5 Mondays, 3/13–4/17 (no class 4/10),
10 am–2:30 pm
Laura Vogel | Manhattan | 173BIL140D

5 Mondays, 5/8–6/12 (no class 5/29),
10 am–2:30 pm
Laura Vogel | Manhattan | 174BIL140A

\$335/\$365

BOTANICAL DRAWING FOR BEGINNERS

Do you ever wish you could capture the details of a plant long after you’ve seen it? This intro class teaches you how to make realistic drawings of plants using a variety of techniques. Learn to draw a selection of plant parts, including branches, stems, leaves, and flowers, for pleasure or to expand your drawing skills.

4 Wednesdays, 4/19–5/10, 10 am–1 pm
Linda Nemergut | NYBG | 174BIL145A

4 Tuesdays, 5/16–6/6, 6–9 pm
Jeanne Reiner | Manhattan | 174BIL145B

\$229/\$249

NEW! BULBS, ROOTS, AND GREENS THAT SPRING FORTH


A weighty, textured bulb, a tangled nest of roots, and a few graceful emerging green leaves. When the bulbs awaken, we know spring is here. Break down these connected elements into simple geometric shapes, and draw your complete plant from root end to leaf tip. Create a unified composition that’s full of life while exploring texture, color and forms with watercolor. Some botanical drawing experience is required.

2 Fridays, 3/24 & 3/31, 10:30 am–4 pm
Margaret Saylor | NYBG | 173BIL314

\$239/\$265 *Certificate Elective*



NEW! INTRO TO GOUACHE: PLANTS

Experiment with gouache to create realistic, vibrant, and detailed botanical paintings. You will learn how to create light washes, layer colors with a dry brush, and apply semi-transparent and semi-opaque gouache glazes.  Prerequisite: *Botanical Watercolor*

3 Sundays, 3/26–4/9, 10 am–3:30 pm
Carrie Di Costanzo | NYBG | 173BIL358

\$349/\$385 *Certificate Elective*

NEW! MAGNOLIAS IN WATERCOLOR WORKSHOP

Mimic the luxurious pinks, roses, and mauves of NYBG’s beautiful saucer magnolias. Capture the petals’ velvety textures while exploring simple watercolor techniques. Practice painting from photo references provided by the instructor. All levels of skills welcome; no previous drawing or painting experience is required.

Sunday, 3/26, 10 am–3:30 pm
Laura Vogel | NYBG | 173BIL215

\$95/\$105

SPRING TULIPS IN WATERCOLOR WORKSHOP

Enjoy a one-day workshop learning basic watercolor techniques to capture the beautiful colors and details of this spring favorite. All levels of skill are welcome; no previous drawing or painting experience is required.

Sunday, 4/23, 10 am–3:30 pm
Laura Vogel | NYBG | 174BIL207A


Sunday, 5/21, 10 am–3:30 pm
Laura Vogel | NYBG | 174BIL207B

\$95/\$105

Illustration Left: Parrot Tulip, ©Lois Perlman, NYBG Graduate

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 800.322.NYBG (6924)

NEW! SPRING FLOWERING BULBS IN COLORED PENCIL AND WATERCOLOR

Layering watercolor, colored pencil and watercolor pencil is a dynamic technique that creates rich color, detail, and form. This class blends botanical drawing and painting techniques while you learn the structure and botany of daffodils, tulips, and other spring bulbs from NYBG grounds.  Prerequisite: *Botanical Drawing I*

Monday–Wednesday, 4/24–4/26, 10 am–3:30 pm
Wendy Hollender | NYBG | 174BIL405

\$395/\$435 *Certificate Elective*

NEW! DRAWING SPRING TREES IN BLOOM

Each spring, New York trees blossom in abundance—from simple oaks and maples, to exuberant dogwood, crabapples, and magnolias. Instructor Frank Guida takes you *en plein air* to draw ethereal drifts of blossoms on the bough, and develop your skill at creating depth and texture. Use graphite’s subtle values to make sparkling, light-filled drawings of NYBG’s beautiful trees in spring. Drawing experience is helpful but not required.

2 Fridays, 5/5 & 5/12 (Rain Date: 5/19), 10 am–1 pm
Frank Guida | NYBG | 174BIL323

\$125/\$139 *Certificate Elective*

NEW! SCALING UP: ENLARGING

Tiny flowers and fruits have fascinating architecture that must be enlarged in order to be rendered properly. Use a dissecting microscope to closely examine samples and learn specific techniques to measure and scale up the botanical subjects for final artwork. Then use watercolor to begin painting your enlarged drawing.

2 Tuesdays, 6/13 & 6/20, 10 am–3:30 pm
Dick Rauh | NYBG | 174BIL328

\$239/\$265 *Certificate Elective*

BOTANICAL DRAWING I: METHODS AND MATERIALS

Accurate observation translates into sensitive, realistic drawings and is an essential skill for botanical artists. Using basic shapes, fruit, and leaves, learn contour drawing with an emphasis on proportion, and explore techniques such as foreshortening, perspective, and line weight.

6 Saturdays, 3/25–5/6 (no class 4/15), 10 am–1 pm
Laura Vogel | NYBG | 173BIL301A


6 Mondays, 3/27–5/8 (no class 4/10), 6–9 pm
Rose Marie James | Manhattan | 173 BIL301B

Mondays, Wednesdays, & Fridays, 7/10–7/24 (no class 7/19), 10 am–1 pm
Linda M. Nemergut | NYBG | 181BIL301C

Mondays, Wednesdays, & Fridays, 7/31–8/11, 10 am–1 pm
Mary Christiansen | Manhattan | 181BIL301D

\$435/\$479 *Certificate Requirement*

BOTANICAL DRAWING II: DEVELOPING YOUR SKILLS

Building on Botanical Drawing I skills, learn to tone fruit, vegetables, leaves, and branches. Focus on concepts of light source, value, and shading to create form. Learn to translate color into black and white, and create the illusion of depth and space in your work.  Prerequisite: *Botanical Drawing I*

6 Wednesdays, 3/8–4/12, 10 am–1 pm
Linda M. Nemergut | NYBG | 173BIL302C


6 Wednesdays, 3/8–4/12, 6–9 pm
Laura Vogel | Manhattan | 173BIL302D

6 Saturdays, 5/13–6/24 (no class 5/27), 10 am–1 pm
Laura Vogel | NYBG | 174BIL302B

Mondays, Wednesdays, & Fridays, 7/31–8/11, 10 am–1 pm
Linda M. Nemergut | NYBG | 181BIL302C

\$435/\$479 *Certificate Requirement*

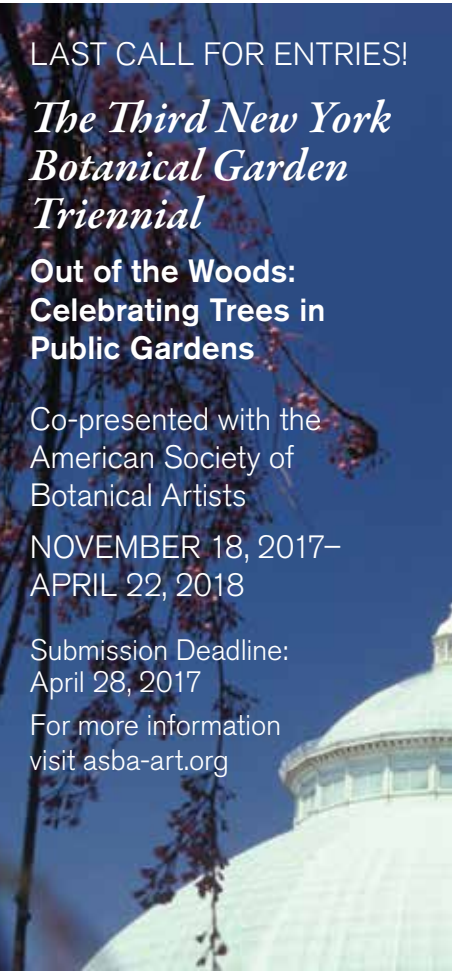
BOTANICAL DRAWING III: FOCUS ON FLOWERS

Apply your understanding of contours, perspective, and tone to drawing three distinct types of flowers. The object is to accurately draw a fully toned flowering plant. Explore compositional possibilities, textures, and details.  Prerequisite: *Botanical Drawing II*


6 Wednesdays, 5/10–6/14, 10 am–1 pm
Laura Vogel | NYBG | 174BIL303A

6 Wednesdays, 5/10–6/14, 6–9 pm
Rose Marie James | Manhattan | 174BIL303B

\$435/\$479 *Certificate Requirement*




THE BASICS OF VISUAL COMPOSITION

Strong composition is essential to creating memorable works of art and illustration. Through exercises addressing focal point, balance, leading the eye, the Rule of Thirds, and more, students will learn a range of principles that will inform and improve their compositions. Each week, students add to their personal composition notebooks, which will be an invaluable reference in the future. A final drawing will pull together everything explored in class. *This class is best taken early in your Certificate studies.*  Prerequisite: *Botanical Drawing II*

4 Fridays, 4/28, 5/12, 6/2 & 6/23, 10 am–3 pm
Lauretta Jones | NYBG | 174BIL421

\$435/\$479 *Certificate Requirement*

BOTANICAL WATERCOLOR

This comprehensive class covers the basic techniques of botanical watercolor. Learn how to use your brushes to make smooth, underlying washes, as well as to create fine detail. Color theory will teach you how paints interact, and how to select the right colors for your subject. Paper selection, transferring preliminary drawings, and more will round out this strong foundation for successful watercolor paintings.  Prerequisite: *Botanical Drawing II*

6 Thursdays, 3/23–4/27, 10:30 am–3 pm
Rose Marie James | NYBG | 173BIL331A

7 Thursdays, 4/20–6/1, 10:30 am–2:15 pm
Susan Sapanara | Manhattan | 174BIL331B

\$569/\$625 *Certificate Requirement*

PLANT MORPHOLOGY FOR BOTANICAL ARTISTS

Examine the enormous variety of forms and structural adaptations of flowering plants—the world’s dominant plant group. Through lectures, demonstrations, and laboratory studies, learn to recognize and draw the many plant parts and growth stages of the most common plant families. Drawing experience is helpful but not required.

6 Saturdays, 4/8–5/20 (no class 4/29), 10 am–1 pm
Leslie Day | Manhattan | 174BIL300A


8 Mondays, 4/17–6/12, (no class 5/29),
10 am–12:30 pm
Dick Rauh | NYBG | 174BIL300B

\$495/\$545 *Certificate Requirement*



Illustration: Mossy Nest, ©Linda M. Nemergut, NYBG Instructor


NEW! REFINED GRAPHITE RENDERING

Though pencil drawings are generally considered to be “studies” for more complete renderings, graphite can also be used to produce finished illustrations suitable for publication in scientific journals. Using a graduated series of pencils as well as tortillons and erasers, learn how to minimize the “evidence of the medium” to achieve results with a wide variety of values and crisp detail.  Prerequisite: *Botanical Drawing II*

Monday, Tuesday, & Wednesday, 7/24–7/26,
10 am–2:30 pm
Scott Rawlins | NYBG | 181BIL370

\$255/\$279 *Certificate Elective*


NEW! COLORED PENCIL ON BLACK PAPER

Working with colored pencils, learn how to achieve a rich glow using multiple overlays of pigments that give fruit an intriguing luminosity. The colors you think you know can change their appearance on black paper. Learn how to control these changes and sequence your colors to capture fruits in all their forms and vibrant hues.  Prerequisite: *Botanical Drawing II*

Friday–Sunday, 5/5–5/7, 10 am–3:30 pm
Carol Ann Morley | NYBG | 174BIL363

\$315/\$345 *Certificate Elective*


NEW! BIRD’S NEST IN SILVERPOINT

The intricate beauty of a bird’s nest really shines when drawn in silverpoint, especially as the silver develops a soft patina over time. Using a silver wire held in a stylus, master an organic approach to drawing a complex subject. Learn to prepare the substrate, develop a skillful handling of the drawing material, and add touches of color to the finished drawing. BYOBN.  Prerequisite: *Botanical Drawing II*

3 Wednesdays, 9/13–10/4, (no class 9/20)
10 am–2:30 pm
Linda M. Nemergut | NYBG | 181BIL351

\$285/\$315 *Certificate Elective*


NEW! FOCUS ON TECHNIQUE—
WATERCOLOR DRY BRUSH

Build your watercolor skills with a concentrated focus on dry brush, an essential technique needed to replicate texture, define edges, tighten up shapes, model form, and add final details to botanical subjects. Begin creating detailed delineation on branches and stamens, parallel veining on leaves, and lines of pigmentation on petals, as well as modeling to build up a velvety surface. Working through specific dry brush challenges, you will gain mastery as you build a repertoire of skills. Selection of brush size, brush loading and shaping as well as surface dampness will also be explored.  Prerequisite: *Botanical Watercolor*

3 Tuesdays, 5/16–6/6 (no class 5/30), 10 am–3:30 pm
Susan Sapanara | NYBG | 174BIL372

\$315/\$345 *Certificate Elective*


NEW! INTRO TO WATERCOLOR ON VELLUM

Vellum has long been used to create paintings that seem to glow from within. Learn the basics of this ancient art, beginning with how to prepare vellum for painting. After transferring a small compositional drawing to vellum, you will apply a first layer of watercolor, then add multiple dry brush layers to achieve the deep luminosity for which vellum is so famous.  Prerequisite: *Botanical Watercolor*

Wednesday, Thursday & Friday, 6/21–6/23,
10:30 am–4 pm
Carol Woodin | NYBG | 174BIL367

\$349/\$385 *Certificate Elective*


NEW! CREATING DARK VELVETY TEXTURES

Luxuriant textures, like those of violet and magnolia petals, require special skill to reproduce. Experiment with a step-by-step method using watercolor to achieve this rich, velvety look. Come away with a variety of actionable, artistic tips.  Prerequisite: *Botanical Watercolor*

2 Mondays, 6/19 & 6/26, 10 am-3:30 pm
Rose Pellicano | Manhattan | 174BIL306

\$195/\$215 *Certificate Elective*

NEW! FROM PLANT TO PAPER

A challenge you have likely faced as a botanical artist is translating the color you see into the color you paint. In this special course, you’ll paint various flowers and leaves while focusing on how to create rich, deep colors, and cohesive compositions. Demonstrations, discussions, and examples will build on the concepts you learned in *Botanical Watercolor*.  Prerequisite: *Botanical Watercolor*

2 Tuesdays, 8/8 & 8/15, 10:30 am–2:30 pm
Robin Jess | NYBG | 181BIL318

\$195/\$215 *Certificate Elective*

PEN AND INK


Pen and ink, among the most versatile and useful media, can be used to create high quality, easily reproducible drawings. Learn how to produce different strokes and how to create tone by using stipple, line, and crosshatch techniques.

 Prerequisite: *Botanical Drawing II*

Monday, Wednesday, & Friday, 7/10, 7/12, & 7/14,
10 am–4:30 pm
Carol Ann Morley | NYBG | 181BIL400

\$435/\$479 *Certificate Requirement*

COLORED PENCIL

The focus of this course is on color theory and application. Colored pencil line and tone can be applied to look like either drawing or painting, making it a versatile medium for creating botanical artwork. Learn a variety of techniques, including burnishing, tonal construction, and how to layer colors to achieve different hues and color densities.  Prerequisite: *Botanical Drawing II*

6 Thursdays, 5/4–6/8, 10 am–1 pm
Jeanne Reiner | NYBG | 174BIL415A

Tuesday–Thursday, 7/18–7/27, (no class 7/26),
10 am–1:20 pm
Laura Vogel | NYBG | 181BIL415B

\$435/\$479 *Certificate Requirement*


PRESENTATION AND PRESERVATION
WORKSHOP

After spending hours creating a work of botanical art, it is important to professionally present and preserve it. Whether for evaluation, juried competition, exhibition, or storage, knowing the best way to frame your work and keep it pristine requires attention to detail. Learn proper options and techniques through hands-on practice.

Friday, 5/19, 10 am–4:30 pm
Rose Marie James | NYBG | 174BIL374

\$145/\$159 *Certificate Elective*

INK WASH TECHNIQUES

If you wish to transition from drawing to watercolor painting techniques or fine tune your watercolor skills, this class is for you. Sessions will focus on demonstration and practice of basic techniques such as flat washes, glazing, graded washes and dry brush for fine details. Dilutions of India ink and earth tone inks will be used to depict botanical and natural science subjects. Bring samples of your drawings to the first class.  Prerequisite: *Botanical Drawing II*

3 Thursdays, 6/15–6/29, 10 am–3:30 pm
Laura Vogel | NYBG | 174BIL407

\$359/\$395 *Certificate Elective*

Illustration Top: White-throated Sparrow, ©Katie Lee, NYBG Instructor

Illustration Bottom: Peacock Butterfly, ©Mindy Lighthipe, NYBG Instructor


REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 800.322.NYBG (6924)

VISITING ARTISTS—

Join us for two special workshops with Katie Lee & Mindy Lighthipe



DRAWING AND PAINTING SONGBIRDS


Don’t miss this exciting opportunity to work with Katie Lee, whose natural science illustrations are found in many children’s books, notably the Smithsonian’s *Monarch Butterfly of Aster Way*. Katie will help you gain an accurate understanding of avian anatomy, posture, and feather structure. With her expert guidance, you’ll use graphite and watercolor or gouache to render lifelike eyes and realistic plumage colors, patterns, and textures.  Prerequisite: *Botanical Drawing II*

Thursday–Saturday, 4/6–4/8, 10 am–4:30 pm | Katie Lee | NYBG | 174BIL612

\$395/\$435 *Certificate Elective*



BUTTERFLIES, MOTHS, & POLLINATING
INSECTS

Popular artist, instructor, and former Coordinator of our Certificate Program, Mindy Lighthipe is renowned for her beautiful natural science renderings. Join Mindy for a special workshop on the anatomy of butterflies, moths, and other pollinating insects that will enhance your botanical paintings. Experience demonstrations in watercolor and colored pencil with emphasis on accurate rendering from specimens and photographs. You will study specimens with a dissecting microscope to capture fine details.  Prerequisite: *Botanical Drawing II*

Monday–Wednesday, 7/17–7/19,
10 am–3:30 pm
Mindy Lighthipe | NYBG | 181BIL613

\$445/\$489 *Certificate Elective*

BOTANY



Plein-air ©James Gurney, *Cleome*, Casein | Ruth Rea Howell Family Garden, NYBG



Do you have a desire to get closer to nature? Take a botany class and gain a deeper understanding of how plants connect us to the natural world. Botanical studies explore all aspects of plant growth and development, plant communities, and the role of plants in ecosystems. At the everyday level, botany can be your gateway to herbal healing, foraging for wild edibles, cross-cultural understanding, or just a deeper appreciation of nature's seasonal beauty.

THE CERTIFICATE PROGRAM



The NYBG Botany Certificate Program is designed to deepen a student's scientific understanding of the plant kingdom. Engage in subjects such as native flora, ethnobotany, ecology, and botanical nomenclature. Courses reflect the Garden's strengths in botanical science research, as well as its world-famous and unequalled resources—the William and Lynda Steere Herbarium, housing 7.8 million dried plant specimens, and the LuEsther T. Mertz Library, with its collection of more than 550,000 volumes, nearly 12,000 serial titles, and over 11 million archival documents.

During the course of the program, students will come to know plants: how they function, grow, develop, and reproduce; and learn to identify a wide array of plants by stems, leaves, flowers, and fruits.


CERTIFICATE REQUIREMENTS

COURSE	CODE	HOURS*	PAGE
Plant Structure	BOT 315	24	13
Plant Physiology**	BOT 316 	21	—
Plant Diversity	BOT 317 	24	13
Dendrology: Woody Plant Identification	BOT 375	15	13
Herbaceous Plant Identification	BOT 376	15	13
One of the four Native Flora courses:		12	—
Native Flora in Autumn**	BOT 331		—
Native Flora in Winter**	BOT 332		—
Native Flora in Spring	BOT 333		13
Native Flora in Summer	BOT 334		13
ELECTIVE CREDITS (See current electives below)		61	
TOTAL REQUIRED HOURS		172	

ELECTIVES

COURSE	CODE	HOURS	PAGE
Botanical Latin I	GAR 360	10	12
Medical Botany	BOT 470	12	12
Nature's Pharmacy	BOT 346	4	12
Morphology of Flowering Plants	BOT 431 	16	13
Spring Mushrooms	BOT 330	6	13
Forest Ecology	BOT 326	12	13
Systematic Botany	BOT 432 	24	13
Plant Collection and Preservation Workshop	BOT 338	12	12
Ethnomedicine: Caribbean Cures	BOT 379	3	12
Patterns in Nature	BOT 353	3	12
Entomology	HRT 480	15	13
Principles of Environmental Science	BOT 318	8	12

*Course hours do not include exam hours
**Courses offered in the Fall–Winter Catalog

 Courses with a prerequisite before you can register



“The NYBG Botany and Horticulture Programs gave me the opportunity to develop my knowledge in plant science and explore a variety of fields and practices. With inspiring teachers and students who share similar interests, NYBG’s programs enhanced my passion for plants and nature and helped me achieve my goal of working as a gardener in public horticulture.”

— YUKI KANEKO
2016 Graduate,
Gardener at The High Line



**GET NYBG
CERTIFIED**

Every day we realize the growing need to better understand, appreciate, and sustain our relationship with nature in our forests, parks, and gardens. The NYBG Certificate gives you a respected credential and a comprehensive foundation in plant science, species, and habitats—whether the green world is your profession or your passion.

QUESTIONS? CONTACT PROGRAM
COORDINATOR JAMIE BOYER, PH.D.,
AT [JBOYER@NYBG.ORG](mailto:jboyer@nybg.org)

THE CLASSES

BOTANICAL LATIN I

Botanical Latin is essential for anyone with a serious interest in identifying plants. But, contrary to popular belief, mastering Latin plant names need not be intimidating or boring. Review the rules of taxonomy, Latin grammar, and pronunciation, and learn the history of the binomial system in use today.

5 Mondays, 3/13–4/10, 6:15–8:15 pm
Jennifer Bakshi | Manhattan | 173GAR360D

5 Tuesdays, 9/12–10/10, 10:30 am–12:30 pm
Jennifer Bakshi | NYBG | 181GAR360A

\$255/\$279 *Certificate Elective*

PLANT COLLECTION AND PRESERVATION WORKSHOP

From the field to the folder, this course covers the essentials of making museum-quality preserved plant specimens suitable for research, education, and decoration. Learn techniques and skills for collecting and preserving plants of your interest, wild or cultivated. Build your own herbarium, useful as a permanent record and study-aid for other Botany and Horticulture courses—or for artistic appreciation.

4 Thursdays, 4/6–4/27, 6–9 pm
Daniel Atha and Sheranza Alli | NYBG | 174BOT338

\$345/\$379 *Certificate Elective*

BIRDS OF NEW YORK: BASIC ORNITHOLOGY

Learn to identify common birds by sight and sound through classroom study and on walks throughout the Garden grounds (if at NYBG) or in Bryant Park and Central Park (if in Manhattan). Discover the amazing physical capabilities, adaptations, and habitats of birds. Find out who eats what—or whom! Discuss the roles birds play in natural and built environments, and examine their relationship to plants under the expert guidance of Dr. Leslie Day, whose *Field Guide to the Neighborhood Birds of New York City* has been called “indispensable.”

4 Wednesdays, 4/12–5/3, 10 am–1 pm
Leslie Day, Ed.D. | NYBG | 174BOT306A

4 Saturdays, 5/10–5/31, 10 am–1 pm
Leslie Day, Ed.D. | Manhattan | 174BOT306B

\$239/\$265

MEDICAL BOTANY

This introduction to herbalism covers herbal traditions and highlights specific, health-optimizing foods and plants. Study the medicinal properties of plants used for the digestive, respiratory, and circulatory systems, as well as best practices for cultivating, harvesting, and storing herbs. Learn to prepare basic herbal teas, poultices, and soaks. The focus of the course is on general plant actions (carminatives, cholagogues, expectorants); detailed phytochemistry is not discussed.

6 Tuesdays, 5/9–6/13, 6–8 pm
Ursula Basch | Manhattan | 174BOT470

\$319/\$349 *Certificate Elective*

THE PLANT WHISPERERS —

The Garden’s world-renowned scientists use cutting-edge tools to discover and preserve Earth’s botanical diversity. Share their insights and field experiences in far-flung locales, as they unlock the mysteries of exotic and local flora in these engaging sessions.

NEW! ETHNOMEDICINE: CARIBBEAN CURES

Globalization may be a current buzzword, but people and plants have always been on the move. Dr. Ina Vandebroek, Assistant Curator of Economic Botany and Caribbean Program Director, shares insights from her research on native and historically-introduced plants of Jamaica and the Dominican Republic that are still widely used as medicine and food, both in the islands and right here in the Bronx. Experience a new world of sensorial botany by tasting plants and preparing aromatic teas valued by Caribbean peoples around the world.

Thursday, 4/13, 10 am–1 pm | Dr. Ina Vandebroek | NYBG | 174BOT379
\$75/\$85 *Certificate Elective*

NEW! PATTERNS IN NATURE

Have you ever marvelled at the chambers of a honeycomb, the twine of a vine, or the ridges of a seashell? Dr. Barbara Ambrose, Associate Curator of Plant Genomics, reveals how structure in nature is designed, engineered, and efficient. An expert in molecular, cellular and developmental biology, Dr. Ambrose is your perfect guide, as you use a microscope to explore the precise mathematical patterns found in sunflowers, pine cones, and other plant materials.

Wednesday, 4/5, 10 am–1 pm
Dr. Barbara Ambrose | NYBG | 174BOT353

\$75/\$85 *Certificate Elective*



NEW! PRINCIPLES OF ENVIRONMENTAL SCIENCE

As humans, we are deeply connected to the Earth. Explore this connection by learning how the natural world works, with an emphasis on geology, ecology, and the atmosphere, as well as how people impact the planet through population growth, industrialization, and land use. Finally, discover ways you can effect positive change, literally in your own back yard.

5 Wednesdays, 4/19–5/17, 5–7 pm
Charles Yurgalevitch, Ph.D. | NYBG | 174BOT318

\$169/\$185 *Certificate Elective*

NATURE'S PHARMACY

For centuries herbs and spices have been prized not just for their flavors, but as state-of-the-art medicine. Learn about a variety of plants historically used for first aid, to revitalize the immune system, and to treat and prevent asthma, insomnia, sinusitis, bronchitis, colds and flu, and much more. Join us—you'll be a much smarter shopper on your next visit to the health-food store! Please bring lunch.

Sunday, 6/11, 10 am–2:30 pm
Andrea Candee | NYBG | 174BOT346C

\$95/\$105 *Certificate Elective*

MORPHOLOGY OF FLOWERING PLANTS

Angiosperms (flowering plants) are the dominant plants in most of the habitats of the world today. Through laboratory demonstrations and dissections, examine the morphology of flowers, fruits, and vegetative plant parts, and learn about the development of these structures. Prerequisite: *Plant Structure*

6 Wednesdays, 5/17–6/28, 1–4:10 pm
Regina Alvarez | NYBG | 174BOT431S

\$395/\$435 *Certificate Elective*

SPRING MUSHROOMS

Morels, though hard to spot, occur throughout the metropolitan New York City region, and spring is the ideal time of year to find them. Discover how and where to hunt for them, as well as a number of other distinctive spring mushrooms including oysters, inky caps, wine caps, dryad’s saddle, reishi, and the early-spring chicken mushroom. Learn how to correctly identify these mushrooms, how to differentiate them from look-alikes, and get recipes for the best ways to prepare them for lunch or dinner. Dress for the weather.

2 Wednesdays, 5/10 & 5/17, 10 am–1 pm
Gary Lincoff | Manhattan | 174BOT330

\$145/\$159 *Certificate Elective*

ENTOMOLOGY

Gain a basic understanding of the structure, growth, ecology, and evolution of insects and their role in human life. Learn how to collect, identify, classify, and preserve a wide variety of insects.

6 Saturdays, 6/3–7/15, 10 am–1 pm
Tam Nguyen | NYBG | 174HRT480

\$355/\$395 *Certificate Elective*

FOREST ECOLOGY

Explore the basic principles that influence the ecological relationships of the forest ecosystem. Using the Garden grounds as a site for observation and field study, learn to understand the forces that shape our natural environment—the Northeast Woodland. Labs and lectures provide an experience that expands your skills for the stewardship of plants. Dress for the weather.

4 Wednesdays, 8/23–9/13, 5:30–8:30 pm
Dennis Burton | NYBG | 181BOT326

\$295/\$325 *Certificate Elective*

Exam on last class date.

Illustration: Summer Symphony, ©Betsy Rogers-Knox, NYBG Instructor

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 800.322.NYBG (6924)

SYSTEMATIC BOTANY

Survey the major families of the angiosperms (flowering plants) and learn the characters and principles used to classify them. This course covers newly recognized higher order groupings of species, evolutionary trends in reproductive and vegetative structures, and recently reconstructed evolutionary histories (phylogenies) of plants. Prerequisite: *Plant Diversity*

8 Tuesdays, 9/5–10/24, 12:30–3:30 pm
Carlos Rodrigues | NYBG | 181BOT432S

\$495/\$545 *Certificate Elective*

REQUIRED CERTIFICATE COURSES

These classes are also open to Non-Certificate students.

PLANT STRUCTURE

Get a solid grounding in the basic plant body, from the cell to the roots, stems, leaves, flowers, and fruits. After an overview of microscope use and fundamental science in the first session, you'll use both dissecting and compound light microscopes to observe plant anatomy. Moving on, we'll introduce the base-level chemistry required for understanding the world of plants.

4 Tuesdays and 5 Thursdays, 4/4–5/4, 1:30–4:30 pm
Acer VanWallendael | NYBG | 174BOT315

\$559/\$615 *Certificate Requirement*

DENDROLOGY: WOODY PLANT IDENTIFICATION

From towering tulip trees to creeping partridge berries, native plants make up the forests of the northeast. Learn to identify trees, shrubs, and woody vines by their vegetative characteristics, using their scientific and common names. The focus is on both native and naturalized species, as well as some most commonly planted in New York City. Class meets outdoors, rain or shine. Bring a hand lens 10x or greater.

6 Saturdays, 4/15–5/20, 10 am–1 pm
James Kaechele | NYBG | 174BOT375A

\$379/\$415 *Certificate Requirement*

PLANT DIVERSITY

Survey diversity through the study of morphological, anatomical, and life cycle features of the major divisions of organisms traditionally grouped in botany. An introduction to the principles and mechanics of evolution and classification provides the framework for understanding how these divisions are defined. Fundamental nutrient cycles and ecological concepts are presented. Prerequisite: *Plant Structure*

9 Mondays, 5/1–7/10, 5–8 pm
Jamie Boyer, Ph.D. | NYBG | 174BOT317S

\$559/\$615 *Certificate Requirement*

HERBACEOUS PLANT IDENTIFICATION

Herbaceous plants occupy prairies, wetlands, forest understories, and many other habitats. The identifying characteristics of this diverse group of plants are often quite different from those of woody plants. Michael Hagen, Curator of NYBG's Native Plant Garden and Rock Garden, walks you through the fundamental herbaceous plant identification characteristics, as well as some specialized ones for select native and cultivated species. Focus will be on broad-leaved plants rather than grasses, sedges, and rushes.

6 Thursdays, 5/18–6/22, 6–9 pm
Michael Hagen | NYBG | 174BOT376

\$355/\$395 *Certificate Requirement*

NATIVE FLORA IN SPRING

Our native wildflowers, trees, and shrubs signal rebirth in spring. Learn to identify them and become familiar with their structure and taxonomy. Take part in field walks and classroom sessions, and practice using taxonomic keys. Students are required to make their own collections of plants and may borrow a herbarium press (\$30 deposit required).

4 Fridays, 4/21–5/12, 10 am–1 pm
Nancy Slowik | NYBG | 174BOT333

\$295/\$325 *Certificate Requirement*

NATIVE FLORA IN SUMMER

Learn to identify native and introduced herbs, ferns, shrubs, and trees as they appear in summer, and get to know plants that may be found in fields, on roadsides, and in woodlands and wetlands. Learn about basic plant structure, taxonomy, and making your own plant collections. You may borrow a herbarium press (\$30 deposit required). Please bring sunscreen.

4 Fridays, 6/9–6/30, 10 am–1 pm
Gary Lincoff | NYBG | 174BOT334

\$295/\$325 *Certificate Requirement*



Illustration: Grey Pine (*Pinus sabiniana*) (detail), ©Carrie Di Costanzo, NYBG Instructor

INSTRUCTOR BIOS CAN BE FOUND ONLINE AT NYBG.ORG/ADULTED

CRAFTS & DIY

Let Mother Nature be your muse! Use botanicals to make prints, paper, planters and pendants. We make it easy—all materials are included!



Plein-air ©Eleinne Basa, *Roses in Bloom*, Oil | Peggy Rockefeller Rose Garden, NYBG

NEW! MUSHROOM PAPERMAKING

Use bracket fungi to create beautiful, earth-toned sheets of paper under the expert guidance of mycologist Dorothy Smullen. This hands-on class will walk you step-by-step through the papermaking process, and introduce you to the many different mushrooms you can use for a variety of hues. Your friends will be Instagramming your thank you cards in no time.

Saturday, 4/8, 10 am–1:30 pm
Dorothy Smullen | NYBG | 174CRF130

\$79/\$85

NEW! SPRING EPHEMERAL PAPER CUTTING

Capture the fleeting magic of woodland spring flowers with the delicate art of papercutting. You will learn basic papercutting techniques from silhouette artist Jenny Lee Fowler, whose work has been featured in *Martha Stewart Living*, *House Beautiful* and *Better Homes and Gardens*, and use her one-of-a-kind patterns to create a piece of 8” x 10” art to frame and hang in your home. No previous art experience is required.

Saturday, 4/8, 10 am–12 pm
Jenny Lee Fowler | Bard | 174CRF153A

Saturday, 4/22, 10 am–12 pm
Jenny Lee Fowler | NYBG | 174CRF153B

\$89/\$95

NEW! POLLINATOR PAPER CUTTINGS

Use the ancient tradition of papercutting to “draw in silhouette” and celebrate the role of pollinators—birds, bats, beetles, bees, and butterflies—and their connections with plants. You will choose a pollinator and plant pairing to inspire your own original design that you will turn into a work of art with the help of Hudson-based paper artist Jenny Lee Fowler. No previous art experience is required.

Saturday, 4/15, 10 am–12 pm
Jenny Lee Fowler | Bard | 174CRF165A

Saturday, 4/22, 1–3 pm
Jenny Lee Fowler | NYBG | 174CRF165B

\$89/\$95

NEW! CULINARY HERBS WREATH

Weave a herbal wreath as gorgeous as it is beautifully scented. Craft a base using twigs and vines, then arrange foraged and cultivated herbs around it, including mustard, oregano, flax, mint, rosemary, and lavender. Finish your 15”–18” master work with other assorted edibles, including dried hot peppers, orange slices, baby garlic, berries, bay leaves, and more.

Sunday, 4/30, 10 am–12:30 pm
Diana Conklin | NYBG | 174CRF140A

Saturday, 5/6, 10 am–12:30 pm
Diana Conklin | NYBG | 174CRF140B

\$95/\$105



©William Waitzman

Create your own cyanotypes.



Make paper from fungi.



Use plants to pattern tea towels.



Build a hyper-tufa planter.

GIRLS' NIGHT OUT: SPRING WILDFLOWERS

Gather your friends, sisters, or mom for a night of fun and flowers. Create your own professional-looking floral arrangement while enjoying wine, hors d'oeuvres, music, and the company of other women. One part class, one part party, our Girls' Night Out is a wonderful way to unwind while learning something new. No design experience is necessary!

Thursday, 5/4, 6:30–8:30 pm
Yoli LaGuerre CFD, AIFD | Manhattan | 174CRF170A

Tuesday, 6/20, 6:30–8:30 pm
Yoli LaGuerre CFD, AIFD | Manhattan | 174CRF170B

\$129/\$139

LIVING DÉCOR: GREEN WALL ART

Build botanical textural wall art to complement your indoor space, under the expert guidance of Maria Colletti, author of *Terrariums: Gardens Under Glass*. Using a living moss mat as a base, you will create a mosaic of preserved green mosses, dried plant materials, amaranth, and willow twigs inside a decorative frame. Your vertical garden will bring a breath of spring air into your home all year long.

Thursday, 5/11, 6:30–8:30 pm
Maria Colletti | NYBG | 174CRF144A

Thursday, 6/8, 6:30–8:30 pm
Maria Colletti | NYBG | 174CRF144B

\$95/\$105

NEW! HYPER-TUFA PLANTER

Making a hyper-tufa planter is like making mud pies: messy and fun! Use peat moss, perlite, cement, and water to create a lightweight container that mimics the look of an old stone English watering trough. Hyper-tufa planters are the perfect vessels for highlighting small plants, including herbs and cacti. Nick Gershberg shares his secrets about the best materials to use and the most innovative planting ideas. Bring home your own DIY planter and a succulent that will thrive in its new home.

Saturday, 5/13, 10 am–1 pm
Nick Gershberg | NYBG | 174CRF148

\$95/\$105

NEW! BOTANICAL PRINT TEA TOWELS

Bring some whimsy to your kitchen with tea towels hand-printed with plant patterns. Multidisciplinary artist Caitlin Parker, whose work has been exhibited internationally, will show you just how easy it is to use pressed ferns, leaves, and flowers as stamps to make simple designs on paper or fabric. Gather plant materials from NYBG grounds that you will learn to press, dry, and fashion into your own unique patterns. (In the one-day Midtown class, students will use pressed plant materials provided by the instructor.)

2 Saturdays, 5/20 & 6/3, 10 am–1 pm
Caitlin Parker | NYBG | 174CRF123A

\$139/\$155

Saturday, 7/15, 1–5 pm
Caitlin Parker | Manhattan | 181CRF123B

\$95/\$105

NEW! BOTANICAL BLUES: CYANOTYPE

Harness sunlight to create dreamlike botanical images in rich blues. William Waitzman, whose artwork has been published in *The New Yorker* and *The New York Times*, will guide you through the hands-on process of making cyanotype photograms, one of the oldest forms of photography and one that doesn't use a camera. Learn the best ways to prep your paper with light-sensitive chemicals, compose your image using pressed plants, and develop your print in the sunshine. Walk away with 4–6 unique pieces of art to hang in your home or a set of cards. Please bring lunch.

Saturday, 6/24 (Rain Date: 7/8), 10:30 am– 3 pm
William Waitzman | NYBG | 174CRF128

\$139/\$155

BOTANICAL JEWELRY: BOTANICALS IN RESIN

Make a pendant, ring or magnet using dried botanicals and other natural elements. Eco-jeweler and Brooklyn Botanic Garden Curator of Containers & Interior Displays, Margarita Poulson, shows you how to use casting epoxy, to dry and press plant materials, to embed pieces in resin, and to finish your creations. Materials are provided, but students are welcome to bring their own dried botanicals, small photos, and bits of paper or fabric. Due to the nature of the resin, individuals with asthma or who may be pregnant should not take this class.

2 Thursdays, 6/22 & 6/29, 6–9 pm
Margarita Poulson | Manhattan | 174CRF122A

2 Saturdays, 7/22 & 7/29, 10 am–1 pm
Margarita Poulson | NYBG | 181CRF122B

\$159/175

NEW! PAPER PEONIES

“Are those flowers real?” It's a question Livia Cetti, the nation's premier paper flower artist, hears a lot. And make no mistake, the high-style, ethereal blooms she twists and folds from delicate, hand-dyed paper are remarkably realistic. Timeless and magical, her work has been featured by Martha Stewart and *Vogue* magazine, in addition to being sold by high-end stores such as John Derian.

In this special workshop, Livia shows you how to make a charm peony from stem to stamen. Bleach, cut, and shape your paper into petals that you assemble using wire and floral tape, creating an exquisite, lifelike flower that will brighten your home regardless of the season.

Wednesday, 6/14, 10 am–2:30 pm
Livia Cetti | NYBG | 174CRF250

\$149/\$165



©Addie Juell

FLORAL DESIGN



Plein-air ©Shari Blaukopf, Azaleas, Watercolor | Rock Garden, NYBG

Expressing yourself through flowers can be a personal passion... or a professional career. From designing arrangements for your own table to delivering a client event, our hands-on classes will help get you started—or take you to the next level. Choose an individual course for fun, or pursue a Certificate in Floral Design.

THE CERTIFICATE PROGRAM

The NYBG Certificate Program helps you develop your own aesthetic and master the mechanics for everything from simple bouquets to grand-scale arrangements, while giving you a practical, real-world, business foundation. No experience is necessary—just your flair and enthusiasm.

During the course of the program, students will:

- Design and fashion their own signature arrangements with fresh and silk flowers.
- Create floral designs for many occasions, including weddings, parties, and holidays.
- Develop skills needed to build or sustain a thriving floral business: retail ordering, cost analysis, scheduling, project management, marketing, client relationships, and managing personnel.



Summer Intensive Program July 10–August 11

In just five weeks, you can complete all classroom credits toward the NYBG Certificate, so you can get started on your internship requirement ASAP. Working one-on-one with floral design professionals, you'll create dozens of arrangements in diverse styles for many different occasions. This concentrated program focuses on real-world situations, and includes a trip to New York's flower district. Let this be the summer you jump-start your career in Floral Design!

THE CLASSES

Fundamentals of Form | Fundamentals of Style | Wedding Design I: Personals
Wedding Design II: Ceremony & Reception | Color Theory for Floral Design | Flower ID from A to Z
Interior Plantscapes | Shopping the New York Flower Market | Arranging with Silk Flowers
Practical Planning for Designers | Grand-Scale Arrangements
Event Planning for the Floral Designer | Four Specialty Electives

Monday–Friday, July 10–Aug. 11 | 10 am–5 pm | NYBG | 181FDN950

TUITION AND REFUNDS

\$6,435 (Member) / \$7,079 (Non-Member)
A \$1,995 non-refundable deposit is due at registration.
Tuition includes all flowers, supplies, books, and a complete set of tools.

An optional payment schedule is available if requested. \$1,995 is due at registration, 2nd payment due May 22, final payment June 19. No refunds after Monday, June 19, 2017.

Questions about the Intensive? Call 718.817.8747 or email: adulted@nybg.org



“The structured curriculum, the time frame, and the quality of experienced industry instructors were all key reasons I chose the NYBG program. The skills and confidence I gained really helped me discover and better define my creative style as a floral designer. As I embark on establishing my business, offering floral solutions to corporate and residential clients, I often refer to the program notes and resource materials.”

— DAICA SKROBALA
2017 Graduation Candidate,
Owner of Polycarp Flowers, LLC



GET NYBG CERTIFIED

With the demand for floral design services at an all-time high, the prestigious NYBG Certificate tells the world you have the talent and knowledge to interpret changing trends and provide creative design solutions. Along with comprehensive hands-on instruction from industry pros, you'll develop the contacts and business savvy you need to advance your career or manage your own shop.

QUESTIONS? CONTACT PROGRAM
COORDINATOR TRISH O'SULLIVAN
AT FDNCOORDINATOR@NYBG.ORG

CERTIFICATE REQUIREMENTS

COURSE	CODE	HOURS	PAGE
Fundamentals of Form	FDN 300	16	20
Fundamentals of Style	FDN 302 P	16	20
Wedding Design I: Personals	FDN 304 P	16	20
Color Theory for Floral Design	FDN 306	8	21
Flower ID from A to Z	FDN 308	8	21
Interior Plantscapes	FDN 310	8	21
Shopping the New York Flower Market	FDN 400 P	4	21
Arranging with Silk Flowers	FDN 405 P	6	21
Practical Planning for Designers	FDN 408 P	8	21
Wedding Design II: Ceremony & Reception	FDN 305 P	16	20
Grand-Scale Arrangements	FDN 502 P	8	21
Event Planning for the Floral Designer	FDN 504 P	12	21
<i>Elective courses</i>		32	
TOTAL REQUIRED HOURS		158	

ELECTIVES

COURSE	CODE	HOURS	PAGE
Peony Workshop	FDN 324	4	19
Spring Celebration: East Meets West	FDN 334	3	19
Ikebana: A Comprehensive Approach	FDN 325	9	20
Antique Roses	FDN 321	4	20
Arranging with Summer Wildflowers	FDN 329	4	20
Farm-to-Table Centerpiece	FDN 360	2	19
Exploring Tablescales: Floral Runners	FDN 362	4	19
Couture Bridal Bouquet	FDN 363	3	18
Floral Fascinators	FDN 345	4	18
Decorating Cakes with Flowers	FDN 364	4	19
Basics of Sympathy Design	FDN 404 P	12	19
Françoise Weeks—Woodland Arrangements: A New Twist	FDN 606	6	19
Françoise Weeks—Botanical Couture: Purses and Shoes	FDN 609	6	19
Textural Expressions in White with Sandra De Ovando	FDN 607	3	20
The Curated Tabletop	FDN 608 P	3	21

[P](#) Courses with a prerequisite before you can register

The Floral Design Certificate Program is an accredited Education Partner of the American Institute of Floral Designers (AIFD). See p. 51 for details.



STUDENT INFORMATION

REGISTRATION

Register early! Instructors order flowers in advance, so you must register at least five business days before the start of class.

- Payment for flowers and other materials must be made at the time of registration.
- Refunds will not be granted fewer than five business days before classes begin.

CLASS MATERIALS

- Students are required to bring their own florist knife and clippers to class.
- Please bring lunch to classes meeting all day.
- Please bring a box or bag in which to take arrangements home.
- To purchase a tool kit, including a knife, wire cutter, scissors, and pruners, please email adulted@nybg.org or call 718.817.8747.

THE CLASSES

NEW! FLORAL FASCINATORS

From the elite runways to the pages of *Vogue*, floral headpieces enhance today's chicest fashion designs. Explore the art of botanical headwear that goes well beyond the basic flower crown. Weave orchids, ranunculi, and anemones into a floral fashion statement guaranteed to turn heads. \$75 materials fee.



©Jessica Tiffany

Thursday, 4/13, 10:30 am–3 pm
Thomas Sebenius | NYBG | 174FDN345

\$129/\$139 *Certificate Elective*

COUTURE BRIDAL BOUQUET

Today's brides are saying "I do!" to a more tailored, classic bouquet, incorporating styles and textures that complement the refined elegance of their contemporary gowns. Assemble locally and Dutch-grown blooms using advanced wrapping techniques and the European spiral-stems hand-tie method to create an elegant, graceful bouquet. Take your idea from concept to reality and leave class with your own unique design. \$85 materials fee.

Thursday, 4/20, 6–9 pm
Thomas Sebenius | Manhattan | 174FDN363

\$95/\$105 *Certificate Elective*

FARM-TO-TABLE CENTERPIECE

The farm-to-table movement emphasizing locally sourced food has inspired a new sensibility in floral design. Discover how seasonal elements are redefining beauty all year round—whether through a foraged, wilder aesthetic, or a spare, sylvan elegance. Learn where to source unusual, locally grown botanical materials like flowering dill and blooming broccoli rabe, and how to combine them with lilacs and tulips to create a beautiful, memorable centerpiece—with nature as your guide. \$60 materials fee.

Tuesday, 4/25, 6:15–8:15 pm
Thomas Sebenius | Manhattan | 174FDN360

\$75/\$85 *Certificate Elective*

PEONY WORKSHOP

Fat, fragrant, beautiful—alone or in combination—peonies are more popular than ever, and add a wow factor to bouquets, centerpieces, and arrangements throughout the spring and early summer. Take a peek at the variety of peonies, then create a voluptuous standout centerpiece of peonies and other spring accent blooms. \$80 materials fee.

Sunday, 4/23,10:30 am–3 pm
Yoli LaGuerre CFD, AIFD | NYBG | 174FDN324A

Saturday, 5/20, 10 am–2:30 pm
Yoli LaGuerre CFD, AIFD | Manhattan | 174FDN324B

\$115/\$125 *Certificate Elective*

BASICS OF SYMPATHY DESIGN

Sympathy arrangements, properly composed, pay tribute to a departed loved one and offer solace to the grieving. There are details to be discussed with a bereaved family, special etiquette to be observed, and unlimited designs that make a touching statement of final tribute. Construction and mechanic of funeral baskets, casket sprays, and set pieces associated with a diversity of cultural traditions are emphasized. \$200 materials fee. [P](#) Prerequisites: *Fundamentals of Form* and *Fundamentals of Style*

3 Mondays, 6/5–6/19, 10 am–2:30 pm
Ian Tonnessen | NYBG | 174FDN404

\$295/\$325 *Certificate Elective*

DECORATING CAKES WITH FLOWERS

Learn the art of embellishing cakes with fresh flowers and foliage for many occasions. Explore the dos and don'ts of decorating cakes with flowers and no-fail approaches to tasteful, creative designs. Party themes are discussed and professional techniques, including conditioning flowers, are demonstrated. Design your own cake to take home. \$65 materials fee.

Saturday, 5/20, 11 am–3:30 pm
Julio Jimenez | NYBG | 174FDN364

\$115/\$125 *Certificate Elective*

NEW! SPRING CELEBRATION: EAST MEETS WEST

Flowers are symbolic in many cultures. Even the particular placement of flowers in an arrangement can send a powerful message. Using ancient Japanese floral principles of hierarchy, asymmetry and movement, craft a design imbued with your own personal meaning. Mold bear grass into a Zen circle to which you will add chrysanthemums, roses and other elegant blooms for an airy, and personal work of art. \$60 materials fee.

Friday, 6/2, 10 am–1 pm
Jan Gordon | NYBG | 174FDN334

\$95/105 *Certificate Elective*

FLOWER ARRANGING WITH STORE-BOUGHT BOUQUETS

Create your own professional-looking arrangements with economical, store-bought bouquets. Using simple design principles and fresh flowers from European-style displays in your grocery store, learn how to design and create your own elegant arrangements. \$45 materials fee.

Thursday, 4/27, 6–8 pm
Robb Moss | Manhattan | 174FDN210A

Tuesday, 6/6, 6–8 pm
Robb Moss | Manhattan | 174FDN210B

\$45/\$49

EASY AND ELEGANT FLORAL DESIGN IDEAS

Fifteen minutes is all it takes for a stylish arrangement that will transform your table! Working with a variety of seasonal flowers, you'll learn how to execute simple yet impactful designs that are versatile, sophisticated, and eco-friendly. Take home one finished arrangement—and plenty of easy design ideas. \$45 materials fee.

Friday, 5/19, 11 am–1 pm
Rose G. Edinger, AIFD | NYBG | 174FDN203A

Thursday, 6/15, 6–8 pm
Rose G. Edinger, AIFD | Manhattan | 174FDN203B

\$45/\$49

EXPLORING TABLESCAPES: FLORAL RUNNERS

Tabletop garlands and floral runners are enjoying a surge in popularity thanks to their lush and elegant beauty. Learn the techniques of color, repetition, and rhythm to create a centerpiece that spans the length of the wedding table, cleverly designed in segments for easy transport. Students will leave with their own garland creation. \$90 materials fee.

Tuesday, 5/16 10 am–2:30 pm
Thomas Sebenius | NYBG | 174FDN362

\$115/\$125 *Certificate Elective*



©Jon Shimabukuro

Sylvan Style with Françoise Weeks

Françoise Weeks returns to the Garden for two unforgettable, immersive workshops focused on crafting distinctive botanical designs. An innovative artist with a passion for nature, Françoise shows you techniques to structure unique, strikingly beautiful floral arrangements. The subject of numerous articles as well as an Emmy-winning public TV feature, Françoise teaches professionals from around the world in intimate studio classes and workshops.

NEW! WOODLAND ARRANGEMENTS: A NEW TWIST

Bring sylvan beauty indoors in two distinct ways. First, fashion blossoms, bark, mosses, and mushrooms into a vessel for a unique centerpiece of your own creation. Then, explore the mechanics of designing a woodland bouquet bursting with a delightful magic and unexpected botanical materials.

Friday, 5/5, 10 am–4 pm | NYBG | 174FDN606
\$395/\$435* *Certificate Elective*

NEW! BOTANICAL COUTURE: PURSES AND SHOES

Let your imagination run wild! Create exquisite, deliciously patterned botanical shoes and purses that can be used as fashion accessories or decor. Practice the elusive art of meticulously securing petals, small succulents, seedpods and foliage to inorganic materials. Please bring a stiletto for a base; the higher the heel, the better.

Saturday, 5/6, 10 am–4 pm | NYBG | 174FDN609
\$395/\$435* *Certificate Elective*

*Price includes a pass to NYBG's Antique Garden Furniture Fair.

Master Class with Sandra de Ovando



TEXTURAL EXPRESSIONS IN WHITE

Sandra de Ovando’s sophisticated, modern floral compositions are always in demand among New York’s elites and glamorous institutions. Known for her “simple but not simplistic” style, Sandra showcases the entire plant, not just the petals, in her textural expressions. Explore using all white flowers to create a weightless, elegant design in a signature Ovando vase, with hands-on guidance from the master herself.

Tuesday, 4/4, 10 am–1 pm
Sandra de Ovando | NYBG | 174FDN607

\$225/\$249 *Certificate Elective*

ARRANGING WITH SUMMER WILDFLOWERS

A loose, textural wildflower arrangement adds summer glow to a space, while making it more natural and inviting. In this session, we’ll look at ways to evoke the wild meadow outside with an artistic assortment of locally sourced flowers from farmers’ markets, gardens, and meadows. A tour of NYBG’s Seasonal Walk is included for inspiration. \$70 materials fee.

Wednesday, 5/17, 10 am–2:30 pm
Thomas Sebenius | NYBG | 174FDN329

\$115/\$125 *Certificate Elective*



©Addie Juell

NEW! PAPER PEONIES

Master paper flower artist Livia Cetti shows you how to bleach, cut, shape, and assemble paper petals, creating an exquisite, lifelike charm peony.

Wednesday, 6/14, 10 am–2:30 pm
Livia Cetti | NYBG | 174CRF250

\$149/\$165

ANTIQUE ROSES

Soft and romantic, fragrant and textured, antique roses are classic. After a brief introduction to a medley of heirloom roses—from the dusty undertones of Juliet to beautiful bicolors such as Amnesia—you’ll pair roses and Victorian-style tulips and freesia with traditional berries, lace, and dusty miller for a sentimental, antique feel. Create two designs—a romantic container arrangement and a vintage bridal bouquet. Materials fee of \$90 due at registration.

Wednesday, 6/7, 10 am–2:30 pm
Trish O’Sullivan | NYBG | 174FDN321

\$115/\$125 *Certificate Elective*

IKEBANA: A COMPREHENSIVE APPROACH

This ancient Japanese art form seeks to create a living sculpture that transcends the beauty of nature. More than merely arranging flowers, ikebana often emphasizes other areas of the plant, such as its stems and leaves, focusing on shape, line, harmony, and balance. Instructor Junko Miura, acclaimed floral artist and a second-generation ikebana master, guides you through the basic principles as well as the *moribana* and *nageire* forms. \$180 materials fee. Please bring wire cutters to class.

3 Tuesdays, 6/13–6/27, 11 am–2 pm
Junko Miura | NYBG | 174FDN325

\$235/\$259 *Certificate Elective*

FUNDAMENTALS OF FORM

Understanding form underpins successful floral design. From round and triangular to parallel line and the Hogarth curve, building on form, shape, and line is the key to a beautiful and balanced arrangement. \$245 materials fee.

4 Thursdays, 3/16–4/6, 10:30 am–3 pm
Trish O’Sullivan | NYBG | 173FDN300A

4 Saturdays, 4/8–4/29, 10:30 am–3 pm
Yoli LaGuerre CFD, AIFD | Manhattan | 174FDN300B

Monday–Thursday, 7/17–7/20, 10:30 am–3 pm
Robb Moss | Manhattan | 181FDN300C

4 Saturdays, 9/9–10/21 (no class 9/23, 9/30, & 10/7), 10:30 am–3 pm
Yoli LaGuerre CFD, AIFD | NYBG | 181FDN300D

\$389/\$429 *Certificate Requirement*

FUNDAMENTALS OF STYLE

The ability to command a broad vocabulary of styles defines the professional floral designer. From romantic and English garden to landscape and cascade, understanding floral styles expands your design options, evokes specific moods, and helps create the perfect setting. \$245 materials fee.

 Prerequisites: *Fundamentals of Form*


4 Thursdays, 5/4–5/25, 10:30 am–3 pm
Thomas Sebenius | NYBG | 174FDN302A

4 Saturdays, 6/3–6/24, 10 am–2:30 pm
Jameel Gilbert | Manhattan | 174FDN302B

Monday–Thursday, 7/24–7/27, 10:30 am–3 pm
Jameel Gilbert | Manhattan | 181FDN302C

\$389/\$429 *Certificate Requirement*

WEDDING DESIGN I: PERSONALS

Flowers play a crucial role in creating a memorable wedding. Learn the elements of successful floral wedding design, including the art of fine wiring and taping to create corsages and boutonnieres with fresh flowers, ribbons, and bows. Advance to the techniques of styling and assembling bridal and bridesmaid bouquets. \$225 materials fee.  Prerequisites: *Fundamentals of Form* and *Fundamentals of Style*

4 Mondays, 4/3–4/24, 10:30 am–3 pm
Thomas Sebenius | Manhattan | 174FDN304A

4 Thursdays, 6/1–6/22, 10 am–2:30 pm
Robb Moss | NYBG | 174FDN304B

Monday–Thursday, 7/31–8/3, 10:30 am–3 pm
Yoli LaGuerre CFD, AIFD | Manhattan | 181FDN304C

\$389/\$429 *Certificate Requirement*



WEDDING DESIGN II: CEREMONY & RECEPTION

Design and create arrangements appropriate for the ceremony, season, and setting, including aisle and altar designs, pew arrangements, and banquet table centerpieces. Work with a remarkable array of flowers, foliage, and fabrics to create captivating garlands and columns. Discussions include a variety of ceremonial styles, including chuppahs, in both outdoor and indoor venues. \$245 materials fee.

 Prerequisite: *Wedding Design I*

4 Mondays, 5/1–5/22, 10 am–2:30 pm
Thomas Cawley | NYBG | 174FDN305

\$389/\$429 *Certificate Requirement*

COLOR THEORY FOR FLORAL DESIGN

Colors—like flowers themselves—evoke feeling and sentiment, and set the mood. Explore the role of color in floral design using a spectrum of flowers. This course gives you a solid grounding in color theory, while highlighting the latest hues and color combinations. \$75 materials fee.

2 Thursdays, 4/20 & 4/27, 10 am–2:30 pm
Jameel Gilbert | NYBG | 174FDN306A

3 Wednesdays, 5/10–5/24, 6:15–8:55 pm
Rose G. Edinger, AIFD | Manhattan | 174FDN306B

\$189/\$209 *Certificate Requirement*

FLOWER ID FROM A TO Z

There are many types of flowers available for floral designers, from exotic imports to locally grown. Learn to identify new varieties of old favorites, seasonal flowers, and various foliages. Topics include the special handling needs of many flower types. Take home an assortment of flowers from each class. \$75 materials fee.

2 Tuesdays, 5/2 & 5/9, 11 am–3:30 pm
Jameel Gilbert | NYBG | 174FDN308A

3 Tuesdays, 5/9–5/23, 6:15–8:55 pm
Rose G. Edinger, AIFD | Manhattan | 174FDN308B

\$189/\$209 *Certificate Requirement*


INTERIOR PLANTSCAPES

Florists and floral designers who want long-lasting, gorgeous interior plantings won’t want miss this unique class from florist, horticulturist, and indoor plant expert Chris Raimondi. In this class, Chris shares essential horticulture practices for proper selection and maintenance of plants used in atria, corporate offices, and for special events. Trimming, pruning, soil testing, pest prevention, cleaning, and more are covered. \$30 materials fee.

2 Fridays, 4/21 & 4/28, 10 am–2:30 pm
Chris Raimondi, CLP | NYBG | 174FDN310

\$189/\$209 *Certificate Requirement*

SHOPPING THE NEW YORK FLOWER MARKET


See flowers firsthand in the heart of the New York flower district under the guidance of the Floral Design Certificate Coordinator. Meeting location in the flower district is identified in your confirmation letter. Lunch is not included. Dress for the weather.  Prerequisite: *Fundamentals of Form* or *Fundamentals of Style*

Thursday, 4/27, 9 am–1:30 pm
Trish O’Sullivan | Off site | 174FDN400A

Thursday, 6/29, 9 am–1:30 pm
Trish O’Sullivan | Off site | 174FDN400B

\$95/\$105 *Certificate Requirement*

ARRANGING WITH SILK FLOWERS

Explore the basic techniques of handling silk flowers to create lush, long-lasting arrangements. Gain helpful skills like wiring and use of hot glue, and learn how to select the best materials for achieving original and unusual effects. Bring wire cutters. \$120 materials fee.  Prerequisites: *Fundamentals of Form* and *Fundamentals of Style*

Friday, 5/12, 10 am–4:30 pm
Trish O’Sullivan | NYBG | 174FDN405

\$159/\$175 *Certificate Requirement*


PRACTICAL PLANNING FOR DESIGNERS

A career in floral design is a passion...and a business! This real-world overview will show you how to work with suppliers, schedules, and deadlines, and help you identify and locate the floral and hard-goods materials and tools required of a successful floral designer. Develop the branding, marketing, and planning skills needed to build client relationships for a thriving business. \$60 materials fee.  Prerequisites: *Fundamentals of Form* and *Fundamentals of Style*

3 Mondays, 6/5–6/19, 6:15–8:55 pm
Nancy White | Manhattan | 174FDN408

\$189/\$209 *Certificate Requirement*

GRAND-SCALE ARRANGEMENTS


Full, lavish arrangements to enhance entrance halls, ballrooms, parties, and hotels are always in demand. Learn the mechanics behind how these dramatic arrangements are designed and constructed. \$200 materials fee.  Prerequisite: *Wedding Design I*

2 Wednesdays, 4/12–4/19, 10 am–2:30 pm
Thomas Cawley | NYBG | 174FDN502A

3 Wednesdays, 6/7–6/21, 6:15–8:55 pm
Jameel Gilbert | Manhattan | 174FDN502B

\$215/\$235 *Certificate Requirement*

EVENT PLANNING FOR THE FLORAL DESIGNER

In addition to exquisite design, a successful event requires a well-conceived plan. Learn how to write a sales proposal based on cost analysis, finalize the terms of the design contract, and order and organize materials, personnel, and deliveries, all within a specified budget and time line. Learn how to stage decor for large-scale event arrangements, design cocktail receptions, and develop formal and informal tablescapers. \$125 materials fee.  Prerequisite: *Wedding Design I*

3 Wednesdays, 4/26–5/10, 10 am–2:30 pm
Thomas Cawley | NYBG | 174FDN504

\$285/\$315 *Certificate Requirement*


The Cutting Edge— A Floral Design Series



THE CURATED TABLETOP

Sierra Steifman, owner and creative director of **Poppies and Posies**, brings her “imperfectly perfect” aesthetic to spring table arrangements in this hands-on workshop.

Starting with the centerpiece, Sierra will guide you through a striking yet playful garden-inspired arrangement, using blossoms as brushstrokes to blend hellebore, ranunculus, and lilac with unexpected branches, greens, produce, ribbons, and fabric. She’ll then demonstrate how to showcase your floral design in a refined and subtly eclectic table arrangement that combines flowers, tableware, props, and linens into a curated artistic whole—perfect for a spring dinner party or wedding table!

Brooklyn-based Poppies & Posies is one of NYC’s most sought-after floral designers—and an all-in-one studio that does set and prop styling along with impressive installations. From unique blooms and custom paper goods to napkin treatments or site-specific designs, Sierra Steifman approaches each project with hands-on attention to detail and a passion for creating events and spaces that celebrate life’s most important moments.  Prerequisite: *Fundamentals of Form* or *Fundamentals of Style*

Tuesday, 4/25, 10 am–1 pm
Sierra Steifman | NYBG | 174FDN608

\$225/\$249 *Certificate Elective*

GARDENING



Plein-air ©Armand Cabrera, *Roses and Lavender*, Oil | Home Gardening Center, NYBG

Today more and more people are realizing the physical, social, and psychological benefits of working with nature. Home and community gardening is a great way to make that connection. Whether you are new to gardening or already working in the field, NYBG's gardening classes are a great place to increase your knowledge and improve your skills. Taught by top professionals, each course provides cutting-edge information on ecologically responsible garden care and design, including plant use, soil husbandry, composting, and pest control. Lectures are supported by hands-on study on the Garden's historic grounds. Enroll in a class for fun or pursue a Certificate.

THE CERTIFICATE PROGRAM

The NYBG Gardening Certificate Program covers sustainable gardening techniques, soil science, plant propagation, and garden care and design. Regional experts guide you through the art and science of plant selection and care for home or small-scale residential/urban/community gardens and greening projects. Certificate classes begin on page 27.

Upon completion of the program, students will:

- Create beautiful and ecologically sound gardens that combine trees, shrubs, perennials, annuals, and bulbs.
- Be proficient in identifying, selecting, cultivating, and caring for trees and shrubs, vegetables, flowers, and fruits.
- Have the confidence to grow and maintain home, terrace, or community gardens.
- Understand the essential concepts of sustainable gardening practices for trees, shrubs, lawns, perennials, and vegetables.



Summer Intensive Program

July 10–21

Fast track your NYBG Gardening Certificate this summer! In just two short weeks, you'll complete over 25% of all course work required for the Certificate, giving you a solid base in the principles of environmentally sound gardening. Special electives and curator-led tours of various Garden collections combine the best of the classroom and real-world field exposure.

THE CLASSES

Fundamentals of Gardening | Soil Science for Gardeners | Insect Identification and Management Plants for Landscaping | Container Gardening | All About Annuals

Monday–Friday, July 10–21 | 9 am–5 pm | NYBG | 181GAR950

TUITION AND REFUNDS

\$1,549 (Member)/\$1,705 (Non-Member)

A \$559 non-refundable deposit is due at registration.

An optional payment schedule is available if requested. \$559 is due at registration, 2nd payment due May 22, final payment June 19. No refunds after Monday, June 19, 2017.

Questions about the Intensive? Call 718.817.8747 or email: adulted@nybg.org



“I wanted a plant-based outlet for the creativity I’ve developed over 25 years as a physical therapist and professional writer—and at NYBG I found the perfect place and program. With their engaging, fresh approach that combines soil science, gardening techniques, and a passion for all things green, my instructors gave me a solid horticultural foundation that directly impacts the overall health of my polyculture garden.”

— DAVID SAIDOFF
2016 Graduate



**GET NYBG
CERTIFIED**

Whether you are an aspiring gardener or already have a green thumb, a NYBG Gardening Certificate will provide you with the core knowledge, hands-on training, and the credentials you need to succeed in any garden setting with complete confidence.

**QUESTIONS? CONTACT PROGRAM
COORDINATOR DARYL BEYERS AT
GARCOORDINATOR@NYBG.ORG**

The Orchid Show: Thailand

February 18–April 9, 2017

In celebration of this annual exhibition, we offer classes at the Garden to immerse you in the world of orchids.

TROUBLESHOOTING FOR ORCHIDS

Elena Andrews Gaillard, president of the Greater New York Orchid Society, presents solutions to common problems, including how to identify and treat pests and diseases with non-toxic remedies. This practical class demystifies orchid care and puts your orchids on the road to blooming again and again.

Saturday, 3/25, 10 am–1 pm
Elena Andrews Gaillard | NYBG | 173GAR213A
\$55/\$59

NEW! PHALAENOPSIS CARE

Myths abound about how hard it is to care for the ever-popular phalaenopsis orchid. Jim Freeman dispels those myths with plenty of sensible advice on how to treat your phalaenopsis so that it thrives and blooms year after year. Light, water, nutrients, repotting and root care are all key. Walk away from this session feeling confident and equipped with the knowledge to make your orchids grow!

Saturday, 4/1, 10 am–1 pm | Jim Freeman | NYBG | 174GAR213B
\$55/\$59

MAJOR SPONSORS: Mr. and Mrs. Charles M. Royce | SPONSOR:



CERTIFICATE REQUIREMENTS

COURSE	CODE	HOURS	PAGE
Fundamentals of Gardening	GAR 301	12	27
Introduction to Plant Science	HRT 300	16	33
Soil Science for Gardeners	GAR 302	12	27
Gardening with Native Plants	GAR 315	9	28
Insect Identification and Management	GAR 320	12	28
Disease Identification and Management	GAR 324	12	28
Fundamentals of Garden Design	GAR 342	12	28
Vegetable Gardening	GAR 431	8	27
Complete Garden Care and Maintenance	GAR 440	18	28
Pruning Principles and Practices*	HRT 321	15	—
Plants for Landscaping	HRT 358	16	34
Plant Propagation I: Basic Principles	HRT 411	18	35
Elective GAR or HRT courses		23	
TOTAL REQUIRED HOURS		183	

ELECTIVES

COURSE	CODE	HOURS	PAGE
Designing Winning Plant Combinations	GAR 321	5	24
Container Gardening	GAR 327	8	24
Botanical Latin I	GAR 360	10	25
Botanical Latin II*	GAR 366	6	—
Healthy Garden Ecosystems	GAR 306	8	25
Weekend Garden Design Workshop	GAR 317	8	26

*Courses offered in the Fall–Winter Catalog

Courses with a prerequisite before you can register

For professional organizations, see p. 51.



THE CLASSES

VINES AND CLIMBERS

Vines and other climbing plants like clematis, wisteria, roses, hardy jasmine, and climbing hydrangea not only sport beautiful blossoms, they also provide strong vertical design—in backyards and patios, or rooftops and terraces. They can create outdoor enclosures and transform unattractive structures by clinging, twining, scrambling, or trailing. And in urban spaces, these vertical gardens give you more bloom for your buck! Learn how to choose the right climbing plant and how to train it to grow on a wall, up a trellis, or over an arbor or pergola. Dress for the weather.

Saturday, 3/11, 2–5 pm
Doris Loechle | NYBG | 173GAR146A

Saturday, 3/18 10 am–1 pm
Doris Loechle | Manhattan | 173GAR146B

\$55/\$59

DESIGNING WINNING PLANT COMBINATIONS

Contemporary designers combine plants in naturalistic patterns to create gardens with year-round interest. Consider how color, form, texture and bloom time should inform your plant choices. Learn how to combine trees, shrubs, perennials, grasses, and annuals into gorgeous seasonal displays. Tours of the Seasonal Walk and Perennial Garden are included. Dress for the weather.

2 Saturdays, 3/18 & 3/25, 10:30 am–1 pm
Sheri Forster | New Canaan Nature Center
173GAR321A

2 Wednesdays, 3/29 & 4/5, 10:30 am–1 pm
Sheri Forster | NYBG | 173GAR321B

\$125/\$139 *Certificate Elective*

CONTAINER GARDENING

Container gardening know-how is in high demand. Learn how to create a container garden for your patio, terrace, or entryway that is at once functional and gorgeous—and discover techniques for ensuring that your plants thrive in all four seasons. Please bring lunch to class.

2 Sundays, 3/19 & 3/26, 10 am–2:30 pm
Daryl Beyers | NYBG | 173GAR327A

2 Saturdays, 4/22 & 4/29, 10 am–2:30 pm
Richard Rosiello | New Canaan Nature Center
174GAR327B

2 Saturdays, 5/6 & 5/13, 10 am–2:30 pm
Erika Hanson | Bard | 174GAR327C

2 Mondays, 5/8 & 5/15, 10 am–2:30 pm
Daryl Beyers | Manhattan | 174GAR327D

\$229/\$249 *Certificate Elective*

BOTANICAL LATIN I

Botanical Latin is essential for anyone with a serious interest in identifying plants. But, contrary to popular belief, mastering Latin plant names need not be intimidating or boring. Review the rules of taxonomy, Latin grammar and pronunciation, and learn the history of the binomial system in use today. After this engaging class, you will be well prepared for *Botanical Latin II* in the fall!

5 Mondays, 3/13–4/10, 6:15–8:15 pm
Jennifer Bakshi | Manhattan | 173GAR360D

5 Tuesdays, 9/12–10/10, 10:30 am–12:30 pm
Jennifer Bakshi | NYBG | 181GAR360A

\$255/\$279 *Certificate Elective*

LANDSCAPING WITH PERENNIALS

Learn the basics of successfully cultivating perennials in a variety of garden settings. Discussion topics include site selection, soil preparation, tools, planting techniques, maintenance practices, plant selection, landscape use, and design basics. Please bring lunch.

Thursday, 3/30, 9 am–4 pm
Richard Rosiello | New Canaan Nature Center
173GAR231A

Saturday, 4/15, 9 am–4 pm
Michele Langone | NYBG | 174GAR231B

\$139/\$155

NEW! HEALTHY GARDEN ECOSYSTEMS

Build healthy plant communities that will bring birds, butterflies, and bees back to your garden. Your decisions about plant selection, garden design, and soil can help restore the natural balance in your yard, while creating a beautiful, ecologically sound landscape.

2 Fridays, 3/31 & 4/7, 10 am–2:30 pm
Kim Eierman | NYBG | 173GAR306

\$155/\$169 *Certificate Elective*

SOIL BASICS

Don't treat your soil like dirt! Rich, nutritious soil makes for large, healthy plants and reduces the need for regular fertilization. Learn the difference between soil structure and texture, how these differences affect plant growth, and how you can modify your soil to improve its qualities. Give your garden a solid foundation, and you'll reap the benefits for years to come.

Sunday, 4/2, 10 am–12 pm
Manny Grossman | NYBG | 174GAR104

\$39/\$45

NEW! PROPER REPOTTING TECHNIQUES

Give your houseplants a new lease on life! Pick up top tips for repotting your plants to improve their health. Identify factors you should consider before you repot: climate zone, soil requirements, and container size. Learn to troubleshoot issues with common plants, as well as extreme cases. Get your hands dirty repotting a small root-bound plant that you can take home! Suggested Prerequisite: *Soil Science for Gardeners*

Satuday, 4/8, 10 am–1 pm
Nick Gershberg | NYBG | 174GAR219

\$89/\$95

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 800.322.NYBG (6924)

NEW! A RESIDENTIAL GARDEN DESIGN PRIMER

Whether you are installing on your own or working with a professional, you must understand the fundamental principles of residential garden design. Review actual projects from start to finish. Familiarize yourself with a plant palette of deer-resistant, drought-tolerant, native, and low-maintenance selections for our zone.

Saturday, 4/8, 10:30 am–1:30 pm
Sheri Forster | New Canaan Nature Center
174GAR210

\$55/\$59

SPRING ROSE CARE

Learn the secrets of cultivating magnificent roses in your garden. Gain practical advice on how and where to plant, prune, and care for roses, and learn which types will grow best in your garden. Pruning will take place in the Peggy Rockefeller Rose Garden. Please bring work gloves and pruning shears, and dress comfortably for work and the weather.

Saturday, 4/8, 12–3:30 pm
Ken Molinari | NYBG | 174GAR935

\$75/\$85

NEW! DEER RESISTANT LANDSCAPE

Are deer enjoying your plants more than you are? Get research-proven tips and techniques to limit deer browsing, including plant lists of ornamental trees and shrubs that are inherently deer resistant, and the latest on deer repellents and other deterrents. Discuss environmental and biological factors that influence deer and their choice of food so you can make informed choices for your yard.

Saturday, 5/13, 1:30 pm–5:30 pm
Vincent Simeone | NYBG | 174GAR139

\$75/\$85

NEW! RESTORING GARDEN ECOLOGY

Do you have a spot in your backyard that suffers from contaminated soil, flooding from rain water, or a monoculture of invasive species? Jessica Arcate Schuler, Director of the Thain Family Forest, will teach you how to restore your garden's ecosystem. In this era of Anthropocene, the Earth's ecosystems face many challenges that are a direct or indirect result of human activities. As gardeners, we can be part of the solution. Learn where to source and plant species that can help bring your trouble spots back to life. Come away with a thorough understanding of New York State's recent laws about what invasive species to avoid purchasing and how to control them, so that you are truly gardening for good.

2 Wednesdays, 4/19 & 4/26, 4–7 pm
Jessica Arcate Schuler | NYBG | 174GAR217

\$115/\$125

NEW! LANDSCAPE FOR CURB APPEAL

Make a great first impression by creating a welcoming entry garden for your home. Learn how to design a stylish front garden, review examples that work for different architectural styles, and develop plant lists that fit the specific needs of every type of front yard.

Saturday, 4/22, 10 am–1 pm
Daryl Beyers | NYBG | 174GAR160

\$55/\$59

ORNAMENTAL GRASSES

Presented in memory of Mae L. Wien

Looking to have a gorgeous garden in time for late spring? Cool season grasses are the perfect solution. Explore a vast selection of native grasses and their relatives, and determine which ones will thrive in your landscape. Tour the Native Plant Garden to learn which grasses will best compliment your garden design so you can enjoy them all summer long. Please dress for the weather.

Saturday, 4/29, 10 am–1 pm
Bill Kolvek | NYBG | 174GAR203

\$65/\$69

Customize Your Garden Club Outing!

Inspire your garden club; spend the day at NYBG! Create the perfect outing tailored to your garden club's interests with two hands-on workshops designed to stimulate your creativity and deepen your horticultural knowledge. Choose from a wide variety of topics in gardening, landscape design and floral design for morning and afternoon sessions.

Your day at the Garden can include a visit to NYBG's major exhibition: *Chihuly*.

Please call Lisa Whitmer, Director of Adult Education, at 718.817.8595 to help plan your visit.

NEW! WHIP YOUR GARDEN INTO SHAPE

Make your garden picture-perfect in a few simple steps. Learn tips from a pro on how to assess, clean up, and enhance your garden with basic tasks such as dead-heading, staking, edging, and adding late-season plants. Bring your pruners and gloves—students will receive hands-on, outdoor instruction on all these gardening techniques. Class is held rain or shine. Please dress for the weather.

Monday, 5/22, 10 am–1 pm

Daryl Beyers | New Canaan Nature Center
174GAR180

\$55/\$59

WEEKEND GARDEN DESIGN WORKSHOP

Good garden design isn’t easy, but for anyone with a passion for plants, a little imagination, and proper guidance, it is possible to succeed. Learn the basics of garden design, review examples that work for different architectural styles and site conditions, and develop a go-to plant list for your home landscape. In the second session, you will develop and draw a basic design plan for your garden that you can take home to refine and implement.

Saturday and Sunday, 5/20 & 5/21, 10 am–2:30 pm
Daryl Beyers | NYBG | 174GAR317

\$225/\$249 *Certificate Elective*

NEW! SUMMER BLOOMERS

Ensure your yard is ablaze with summer color! Discover exciting new cultivars of traditional flowering trees and shrubs, including crape myrtle, dogwood, *Clethra*, false indigo, *Abelia*, and roses. These improved varieties are glorious, and more resistant to drought, cold and pests. Learn tips on placement and design to help your woody plants flourish.

Saturday, 4/15, 1:30 pm–5:30 pm
Vincent Simeone | NYBG | 174GAR109

\$75/\$85

BONSAI FOR BEGINNERS WORKSHOP

Learn the fundamentals for turning ordinary nursery stock into a living work of art. This workshop covers the five major styles of bonsai along with plant and container selection, branch and root pruning, wiring, and potting. Students can choose to work with a tree that grows indoors or outdoors. Soil, container, wire, and tree will be provided. Please bring sturdy chopsticks, good pruning shears, and lunch to class.

Saturday, 6/3, 10 am–3:30 pm
John Capobianco | NYBG | 174GAR912

\$179/\$195

NEW! INTERMEDIATE BONSAI WORKSHOP

Congrats! You’ve successfully kept your bonsai alive for at least one year! Learn to unwire, rewire, and prune both branches and roots on bonsai. Wire and soil will be provided. Please bring a bonsai that has not been root pruned within the last year, sturdy chopsticks, and your pruning shears or bonsai tools if you have them. 📖 Prerequisite: *Bonsai for Beginners Workshop* or equivalent bonsai experience

Sunday, 6/25, 10 am–3:30 pm
John Capobianco | NYBG | 174GAR914

\$155/\$169

Summer Veggies...plus a few fruits and herbs

SUPER SMALL SPACE VEGGIE GARDENING

Whether you have a terrace, rooftop, or tiny backyard, learn how to grow the most veggies in the space you have. Discover the best practices for successful small-space gardening from soil preparation to container selection and bed design, crop choices, and tips for high-yield results. Get your spring started with smart seed ordering, growing and choosing the right transplants, and strategizing for irrigation, pest management, and more. Class includes time to tailor lessons learned to your particular garden space.

3 Wednesdays, 3/14–3/28, 6–9 pm

Annie Novak | Manhattan | 173GAR102

\$169/\$185

GROWING A CULINARY HERB GARDEN

Spice up your garden with your own home-grown culinary herbs. Get started right by learning how to grow for flavor, when to harvest at peak, and how to preserve and serve up your bounty in tasty, unexpected ways.

Saturday, 5/20, 10 am–1 pm

Richard Rosiello | New Canaan Nature Center
174GAR206A

Saturday, 7/8, 2–5 pm

Leda Meredith | NYBG | 181GAR206B

\$55/\$59

CREATING A HIGH-YIELD CUTTING GARDEN

Presented in memory of Mae L. Wien

The cutting garden is enjoying a resurgence as gardeners realize that a small corner patch can provide natural bouquets and centerpieces year-round. Discover the best plants to grow for each season (line, mass, filler, focal, and greens), with a variety of textures for beautiful arrangements. Learn to properly cut and condition your plants to ensure there are plenty of flowers all year round. Dress for the weather.

2 Fridays, 4/21 & 4/28, 10 am–1 pm

Kathleen Salisbury | NYBG | 174GAR237

\$115/\$125

COMPOST: THE KEY TO HEALTHY GARDENS

Soil of poor quality or even toxic soils are the unfortunate starting points for many urban gardeners. The solution is compost. It provides a clean, safe medium for growing food, and supplies the micro-nutrients that plants require to overcome diseases and pests. Learn three methods of composting that will improve soil fertility and structure: hot composting, *bokashi* (Japanese fermented composting), and sheet mulching.

Tuesday, 5/9, 10 am–12 pm

Claudia Joseph | NYBG | 174GAR251

\$39/\$45

NEW! THE GARDEN TOMATO

Nothing says summer like a fresh, ripe garden-grown tomato! Start the season by learning everything about growing these gorgeous summertime celebrities: seeding and planting transplants, maintenance (trellising, irrigation, pruning), combating diseases and bugs, harvesting and storage, and the differences between open-pollinated and hybrid varieties. Our focus will be on the many flavorful heirloom varieties out there. During the second session we’ll review the challenges and successes of growing over the summer months while troubleshooting problems. We’ll even add in some recipes and ways to preserve the yield.

2 Saturdays, 4/29 & 9/16, 10 am–1 pm

Michael Blakeney | NYBG | 174GAR124

\$115/\$125

NEW! LATE SEASON HARVEST

The bounty from your vegetable garden doesn’t have to end on Labor Day! Identify which veggies will thrive in the fall months, improving in flavor as the weather cools. Learn what to plant and when for a peak fall harvest, as well as how to protect against late season pests and frost.

Tuesday, 8/8, 6:15–8:15 pm

Nick Storrs | NYBG | 181GAR262

\$39/\$45



Illustration: Yellow Dahlia, ©Ingrid Finnan, NYBG Instructor

INSTRUCTOR BIOS CAN BE FOUND ONLINE AT NYBG.ORG/ADULTED

Garden Varieties: Summer All-Stars

Dahlias, peonies, and hydrangeas are among the most popular garden stars. Like a friendship that deepens the more time you spend together, digging deeper into the history and cultivation of a favorite genus can add layers of meaning to why we grow and enjoy the plants we choose. These courses are ideal for the plant lover eager to know more or the casual gardener unfamiliar with the vast potential of a plant that may have been taken for granted.



DAUNTLESS DAHLIAS

Low-maintenance dahlias thrive in our coastal climate. When they bloom in mid-July, their spiky, colorful blossoms brighten up gardens and flower beds across the city. Learn best practices to help your dahlias flourish, including how and when to disbud, stake, water, and much more.

Saturday, 3/25, 10 am–1 pm

Frances Palmer | NYBG | 173GAR243

\$55/\$59

NEW! PERFECT PEONIES

Choosing the right spot to plant your peonies is key to growing large, sumptuous blooms with little to no maintenance. Discover top tips and tricks about planting, cultivating, and propagating this summertime showstopper from Dan Furman of Cricket Hill Garden, a six-acre garden known affectionately as Peony Heaven. After hearing tales of the cultivation history of the various types of peonies in the U.S., Japan, and China, you will tour NYBG’s exquisite Matelich Anniversary Peony Collection with over 100 mature specimens.

Tuesday, 5/2, 10 am–1 pm

Daniel Furman | NYBG | 174GAR242

\$55/\$59

FOOLPROOF HYDRANGEAS

From 18-inch, container-sized, re-blooming beauties to 6-foot seasonal explosions of multicolored zing, there is a hydrangea for every garden. This lively class uses visuals and discussion to examine hardy cultivars and the proper care and pruning requirements of hydrangeas. Weather permitting, the class will head outdoors to observe superb specimens on the Garden grounds.

Saturday, 6/24, 10 am–1 pm

Lorraine Ballato | NYBG | 174GAR255

\$55/\$59

CERTIFICATE CLASSES

Enroll in these classes just for fun, or pursue a Certificate.

FUNDAMENTALS OF GARDENING

Explore the basic principles underlying successful, environmentally friendly gardening, including the structure and physiological processes of plants and their relationships to the settings in which they grow. Students learn not only what to do, but why. Topics include soils and their improvement, seed sowing, vegetative propagation, planting, pruning, watering, weeding, mulching, and disease and pest control.

3 Saturdays, 3/11–3/25, 10 am–3:30 pm

Daryl Beyers | NYBG | 173GAR301F

4 Mondays, 3/20–4/10, 6–9 pm

Michael Ruggiero | NYBG | 173GAR301A

6 Tuesdays, 4/4–5/16 (no class 4/11), 6:15–8:15 pm

Daryl Beyers | Manhattan | 174GAR301B

4 Tuesdays, 4/18–5/9, 10 am–1 pm

Michael Ruggiero | New Canaan Nature Center
174GAR301C

4 Thursdays, 5/4–5/25, 10 am–1 pm

Michael Ruggiero | NYBG | 174GAR301D

4 Saturdays, 6/3–6/24, 10 am–1 pm

Manny Grossman | Manhattan | 174GAR301E

6 Tuesdays, 7/18–8/22, 6:15–8:15 pm

Daryl Beyers | Manhattan | 181GAR301F

\$295/\$325 *Certificate Requirement*; this course is also required for the Horticultural Therapy Certificate.

SOIL SCIENCE FOR GARDENERS

Understand how the qualities of soil affect the overall productivity of plants and make sustainable gardening practices possible. Practical application of theory is stressed. Topics include soil formation, physical properties of soil, soil-water relationships, and management techniques such as irrigation, drainage, and fertilization. Basic soil sampling, pH, and nutrient testing are introduced. *Please note that this course is not the same as* Soil Science I.

4 Thursdays, 4/6–4/27, 6:15 pm–9:15 pm

Manny Grossman | NYBG | 174GAR302

\$285/\$315 *Certificate Requirement*

VEGETABLE GARDENING

Examine pre-planting procedures, from soil preparation to crop rotation planning. Study the timing and techniques of planting, pest management, and harvest and post-harvest handling. Survey heirloom varieties, new cultivars, and classic selections. 📖 Prerequisites: *Fundamentals of Gardening* and *Soil Science for Gardeners* or *Soil Science I*

4 Wednesdays, 4/26–5/17, 6:15–8:15 pm

Nick Storrs | NYBG | 174GAR431

\$179/\$195 *Certificate Requirement*

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 800.322.NYBG (6924)

FUNDAMENTALS OF GARDEN DESIGN

This class introduces basic garden design principles using the interplay of structural features, plant characteristics, and site assessment. Learn to creatively combine trees, shrubs, perennials, annuals, and bulbs based on color, shape, texture, and size. 📖 Prerequisite: *Plants for Landscaping*

4 Thursdays, 3/2–3/23, 6:15–9:15 pm
Daryl Beyers | NYBG | 173GAR342B

\$285/\$315 *Certificate Requirement*

COMPLETE GARDEN CARE AND MAINTENANCE

Learn sustainable garden and landscape maintenance techniques, including planting methods, plant care, and maintenance regimens for trees, shrubs, lawn, and perennial gardens. Discuss site analysis and plant selection, principles of Integrated Pest Management (IPM), organic gardening practices, and a calendar of landscape and garden tasks. 📖 Prerequisite: *Fundamentals of Gardening*

6 Wednesdays, 6/28–8/2, 5:30 pm–8:30 pm
Mobee Weinstein | NYBG | 174GAR440

\$445/\$489 *Certificate Requirement*

GARDENING WITH NATIVE PLANTS

Learn how native plants enhance gardens and augment biodiversity. Study native herbaceous and woody plants: their identification, habitat, and culture. Hear about the significance of woodland soils, and how to promote a healthy environment to support spring ephemerals, summer perennials, shrubs, and trees.

2 Saturdays, 4/22 & 4/29, 10 am–3 pm
Brad Roeller | Bard | 174GAR315A

3 Thursdays, 5/4–5/18, 6:15–9:15 pm
Brad Roeller | NYBG | 174GAR315B

\$215/\$239 *Certificate Requirement*

INSECT IDENTIFICATION AND MANAGEMENT

Pest identification is key to maintaining a healthy, beautiful garden. Learn to identify which insects are pests and which are beneficial to your home garden. Learn the most common orders of insects and the damage they can cause, as well as how to implement simple, non-toxic methods of preventing major insect infestations. Please bring samples of insects and damaged plants to class.

4 Wednesdays, 5/24–6/14, 5:15–8:15 pm
Don Gabel | NYBG | 174GAR320

\$285/\$315 *Certificate Requirement*

DISEASE IDENTIFICATION AND MANAGEMENT

It's essential to identify plant diseases before they become widespread in your garden. Explore the basics of disease management, and learn how the principles of Integrated Pest Management (IPM) can help you maintain a strong and healthy garden. Please bring samples of diseased plants to class.

4 Wednesdays, 8/16–9/6, 5:15–8:15 pm
Don Gabel | NYBG | 181GAR324

\$285/\$315 *Certificate Requirement*

Saturday Gardening Workshops...



Vegetable Gardening for Beginners

APRIL 1 | Watson Education Building, NYBG

Fresh, homegrown vegetables are healthy and flavorful, and don't have to be difficult to grow. Learn how to properly prepare beds and soils; gain key tips on planting and sowing seeds; discover ecologically friendly ways to keep pests at bay so you can have the vegetable garden you've always wanted!

10 am–12 pm

VEGETABLE GARDENING BASICS

Vegetables have their own special requirements, and whether you're a novice or an experienced grower, you'll get more from your garden this season using these time-tested techniques. The two-hour session covers site selection, bed and soil preparation, optimal planting times, and harvesting strategies.

Nick Storrs | 174GAR201A

12:45–2:45 pm

SEED STARTING PRIMER

Seed starting is a fun way to expand your garden's potential. This class covers the basics, including choosing what seeds to start and the proper location, lighting, containers, watering techniques, and soil mixes to ensure your success. Receive a packet of seeds to grow at home.

Xenia D'Ambrosi | 174GAR201B

3–5 pm

PROTECT YOUR PLANTS FROM PESTS

All of your hard work in the garden should produce healthful, nutritious food; so don't let a host of pest problems ruin this for you. Learn a variety of environmentally friendly and sustainable ways to minimize or eliminate pests in your veggie garden, including promoting beneficial insects that attack bad bugs.

Graham Glauber | 174GAR201C

Registration fee for each section: \$39/\$45

All Three Sections: 174GAR201D | \$99/\$109



Illustration: Heirloom Tomatoes, ©Sarah Wry, NYBG Graduate and Instructor

INSTRUCTOR BIOS CAN BE FOUND ONLINE AT NYBG.ORG/ADULTED

All About Containers

MAY 6 | Midtown Education Center, Manhattan

MAY 13 | Watson Education Building, NYBG

No land? No problem! Containers can bring added color, form, and texture to any space—deck, rooftop, terrace, front porch, or window sill. With the right combination of plants, containers provide visual impact, create a small garden, and add pleasure to your living area. Sun or shade, ornamental or edible, find out what kind of container garden is right for you. Please bring lunch.

10 am–12 pm

CONTAINER GARDENING 101

Container gardening requires some specialized knowledge to achieve quality results. Learn the basics for planting and maintaining a healthy outdoor container garden: materials and styles of containers, customized potting mixes, fertilization, and watering requirements. Learn which plants thrive in containers and you'll be ready to go!

Daryl Beyers | NYBG | 174GAR200A
Daryl Beyers | Manhattan | 174GAR200B

12:45–2:45 pm

VEGGIES AND HERBS FOR CONTAINERS

Learn how to grow garden-fresh vegetables and herbs year-round. Discover which varieties do best in containers and how to care for them. Special attention is paid to those varieties that not only taste great but also look beautiful, including varieties that have interesting or unusual blooms and foliage.

Graham Glauber | NYBG | 174GAR200C
Nick Gershberg | Manhattan | 174GAR200D

3–5 pm

DESIGNING WITH CONTAINERS

Containers are wonderful in any setting—whether alone on a windowsill or terrace, or incorporated into a yard or formal garden. Learn a comprehensive approach to designing with containers, including how, when, where and why you should use a particular pot in one spot over another. Gain tips and tricks for great plant combinations in containers of all kinds.

Richard Rosiello | NYBG | 174GAR200E
Richard Rosiello | Manhattan | 174GAR200F

Registration fee for each section: \$39/\$45

All Three Sections:
NYBG | 174GAR200G | \$99/\$109
Manhattan | 174GAR200H | \$99/\$109

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 800.322.NYBG (6924)



©Ellen Spector Platt

Terrace Gardener's Saturday

JUNE 17 | Midtown Education Center, Manhattan

Gardens tucked into roofs and balconies beautify our urban mosaic and connect us to nature. But every urban terrace gardener knows the challenge of dealing with conditions like harsh sun, perpetual shade or relentless wind, and managing plants confined to containers. Learn how to tailor your plant choices for pots and planters while developing simple maintenance techniques to keep a harmonious terrace garden that's healthy and lush all season long.

10 am–12 pm

GREAT PLANTS FOR TERRACE GARDENS

City terraces often are exposed to difficult growing conditions that create microclimates out of sync with the planting zone found on the ground, and plantings in containers are particularly vulnerable to the elements. Learn how to select and maintain plants best suited for life on a terrace. You'll get great recommendations for edibles and ornamentals with textures and colors that offer visual interest throughout the seasons.

Michele Langone | Manhattan | 174GAR226A

12:45–2:45 pm

POTTING MIXES AND PLANT NOURISHMENT

Get the dirt on potting mixes! This session teaches you how to create the right blend of ingredients for your container plants. You'll leave with potting mix recipes for each type of plant, and simple secrets for fertilizers, compost, and annual soil refreshers that will help your garden thrive.

Daryl Beyers | Manhattan | 174GAR226B

3–5 pm

DISEASE AND PEST CONTROL IN POTS

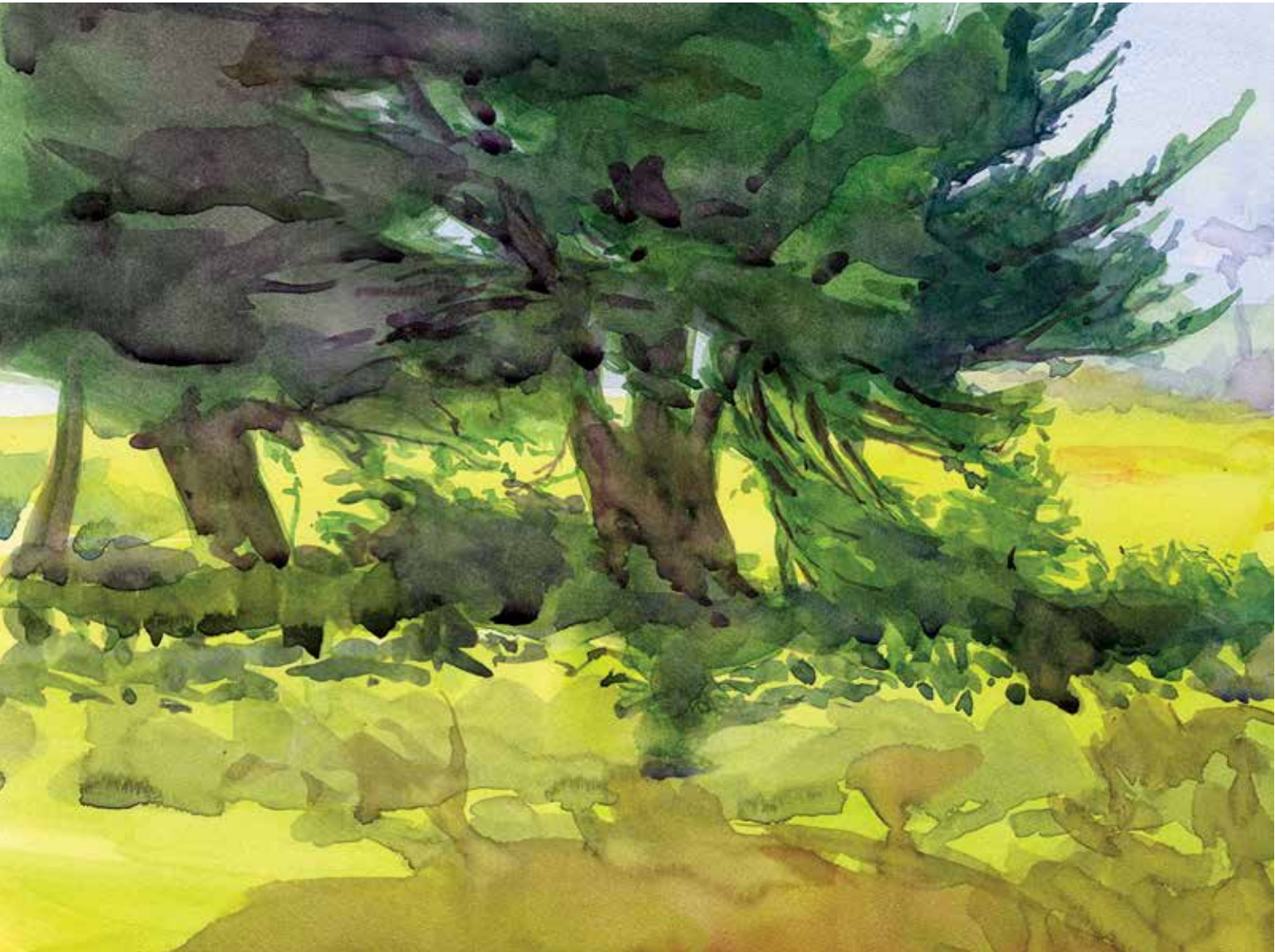
Pests and diseases can pop up anywhere—even on a 20th floor balcony! Learn the classic signs of infections and infestations found in urban pots and planters. Get tips on how to properly clean and disinfect your containers, and other measures to control and prevent problems in your terrace garden.

Graham Glauber | Manhattan | 174GAR226C

Registration fee for each section: \$39/\$45

All Three Sections:
Manhattan | 174GAR226D | \$99/\$109

HORTICULTURE



Plein-air ©Ricky Mujica, *Dancing Grove*, Watercolor | Native Plant Garden, NYBG

Develop the vital skills needed to protect and manage landscapes, maintain healthy trees, design attractive gardens, and produce landscape plants. Many horticulture students start their own businesses or pursue rewarding careers in a breadth of areas, including landscaping companies, nurseries and garden centers, public parks, botanical gardens, and private estates. Enroll in a single class or pursue a Horticulture Certificate.

THE CERTIFICATE PROGRAM

The NYBG Horticulture Program blends classroom theory with field studies in the Garden’s historic landscape, teaching students how to form and care for healthy, sustainable landscapes. Courses are designed and taught by landscape professionals, botanists, and practicing horticulturists. The program offers a high standard of training in four areas of concentration:

- TRACK 1: PLANT PRODUCTION








Gain the skills to propagate and produce an array of native and non-native plants for nurseries, garden centers, and landscape-restoration projects.
- TRACK 2: SUSTAINABLE LANDSCAPE MANAGEMENT


Understand landscape maintenance and management practices using the concept “right plant—right place” in residential and commercial landscapes.
- TRACK 3: ARBORICULTURE

Know how to grow, prune, care for, and manage trees in parks, residential sites, and urban environments.
- TRACK 4: SUSTAINABLE GARDEN DESIGN

Be able to design small-scale gardens for homes, communities, and private clients.

CERTIFICATE REQUIREMENTS

COURSE	CODE	HOURS*	PAGE
PLANT PRODUCTION: TRACK 1			
Introduction to Plant Science	HRT 300	16	33
Soil Science I: Physical Properties	HRT 301	18	33
Soil Science II: Chemistry and Nutrition	HRT 302 	16	33
Horticultural Techniques: Greenhouse Practices**	HRT 312 	15	—
Insect Pests of Landscape Plants	HRT 381 	18	35
Plant Propagation I: Basic Principles	HRT 411 	18	35
Plant Propagation II: Applications**	HRT 412 	15	—
Disease Identification & Management	HRT 481 	18	35
Nursery and Greenhouse Management**	HRT 491 	24	—
TOTAL REQUIRED HOURS		158	

*Course hours do not include exam hours
**Courses offered in the Fall–Winter Catalog
 Courses with a prerequisite before you can register
For professional horticultural organizations, see p. 51.



“My decision to enroll at NYBG has been nothing short of life changing; what began as an impulse to pursue my passion for plants quickly blossomed into a deeply rewarding new career path. Graduating with a Certificate in Sustainable Garden Design was not only a rich and deeply engaging personal growth experience, but also gave me the confidence and technical expertise to launch my landscape and garden design business.”

— JEAN-MARC FLACK
2015 Graduate,
Hortulus Animae, LLC










GET NYBG CERTIFIED










The increasing concern for environmental quality, conservation, and restoration is driving jobs in the horticulture industry—which will grow 18% in the next decade, according to the Bureau of Labor Statistics. In public parks and private gardens nationwide, demand continues for native, easily maintained landscapes. The NYBG Horticulture Certificate is a serious credential that helps professionals enhance their profile, as well as individuals exploring new green careers. It’s a unique opportunity for rigorous study with landscape professionals and horticulture experts on the grounds of America’s premier urban garden.

QUESTIONS? CONTACT PROGRAM COORDINATOR CHARLES YURGALEVITCH, PH.D., AT HRTCordinator@nybg.org











CERTIFICATE REQUIREMENTS (cont.)


COURSE	CODE	HOURS *	PAGE
SUSTAINABLE LANDSCAPE MANAGEMENT —TRACK 2			
Introduction to Plant Science	HRT 300	16	33
Soil Science I: Physical Properties	HRT 301	18	33
Soil Science II: Chemistry and Nutrition	HRT 302 	16	33
Horticultural Techniques: Landscape Gardening	HRT 311 	18	33
Pruning Principles and Practices**	HRT 321	15	—
Basic Design and Installation of Irrigation Systems	HRT 323	12	33
Starting a Small Landscaping Business**	HRT 349	14	—
Insect Pests of Landscape Plants	HRT 381 	18	35
Tree Management**	HRT 422 	14	—
Landscape Management**	HRT 443 	24	—
Disease Identification & Management	HRT 481 	18	35
Weed Identification & Management	HRT 482 	18	35
Mathematics for Horticulturists**	HRT356	6	—
TOTAL REQUIRED HOURS		207	

ARBORICULTURE—TRACK 3

Introduction to Plant Science	HRT 300	16	33
Soil Science I: Physical Properties	HRT 301	18	33
Soil Science II: Chemistry and Nutrition	HRT 302 	16	33
Tree Climbing for Arborists	HRT 304	15	33
Chainsaws: Use, Safety, and Maintenance**	HRT 308	6	—
Pruning Principles and Practices**	HRT 321	15	—
Landscape Plants: Fall Trees and Shrubs**	HRT 331 	12	—
Landscape Plants: Conifers**	HRT 333 	12	—
Landscape Plants: Spring Trees and Shrubs	HRT 334 	12	34
Insect Pests of Landscape Plants	HRT 381 	18	35
Tree Management**	HRT 422 	14	—
Urban Tree Care	HRT 426 	12	35
Winter Tree Identification**	HRT 440 	12	—
Disease Identification & Management	HRT 481 	18	35
TOTAL REQUIRED HOURS		196	

SUSTAINABLE GARDEN DESIGN—TRACK 4

Introduction to Plant Science	HRT 300	16	33
Soil Science I: Physical Properties	HRT 301	18	33
Landscape Plants: Broadleaved Evergreens**	HRT 332 	9	—
Landscape Plants: Spring Trees and Shrubs	HRT 334 	12	34
Landscape Plants: Spring Perennials	HRT 336 	9	34
Landscape Plants: Summer and Fall Perennials	HRT 337 	9	34
Landscape Plants: Grasses	HRT 340 	9	34
Landscape Plants: Annuals	HRT 341 	8	34
Landscape Plants: Bulbs	HRT 342 	12	34
Annual and Perennial Garden Maintenance	HRT 344 	8	34
Plants for Landscaping	HRT 358	16	34
Tropical Plants	HRT 361 	15	34
Sustainable Garden Design**	HRT 551 	20	—
Landscape Design History	LAN 301	24	44
Graphics I	LAN 311	24	44
TOTAL REQUIRED HOURS		209	

*Course hours do not include exam hours
**Courses offered in the Fall–Winter Catalog
 Courses with a prerequisite before you can register

THE CLASSES

NEW! PLANT COMMUNITIES WORKSHOP

Plants surround us in a profusion of forms. But in naturally occurring landscapes, these combinations are far from random, and are often dictated by complex factors, which limit or encourage the growth of particular plants. In this workshop you will gain insight into how, where and why these “plant communities” form. The concepts will fundamentally change the way you view natural landscapes, and give you a new toolbox for designing plantings inspired by plant communities.

2 Fridays, 6/16 & 6/23, 9 am–1:30 pm
Uli Lorimer | NYBG | 174HRT353

\$169/\$185 *Certificate Elective*


SELECTING TREES

Learn the principles of selecting the “right plant for the right place” with Todd Forrest, Arthur Ross Vice President for Horticulture and Living Collections at The New York Botanical Garden. In locations across the Garden’s diverse landscape, identify the range of factors that influence plant selection and performance. Gain the basic skills needed to propose appropriate trees for a range of sites and conditions, select a healthy specimen from a nursery, and provide informed supervision of tree planting and post-planting care. Walks will highlight how various trees perform on various sites.

4 Wednesdays, 5/31–6/21, 5:30–7:30 pm
Todd Forrest | NYBG | 174HRT372

\$199/\$219

NEW! HANDS-ON PRUNING PRACTICUM

What better place to gain hands-on pruning experience than NYBG? Perform a wide variety of pruning techniques on trees and shrubs on the Garden grounds, including crown reduction, crown raising, thinning, and renovation. Plan and execute a given project at each session with expert oversight from master arborist Bill Logan. Bring your pruning shears, and dress for the weather.  Prerequisite: *Pruning: Principles and Practices*

3 Thursdays, 5/11–5/25, 10 am–1 pm
Bill Logan | NYBG | 174HRT325

\$195/\$215



CERTIFICATE CLASSES


These classes are also open to Non-Certificate students.


INTRODUCTION TO PLANT SCIENCE


ALL TRACKS


This course is also required for the Gardening and Horticultural Therapy Certificates.


Designed for students who want a user–friendly introduction to plant science, this course surveys the major groups of plants—flowering plants, conifers, ferns, and bryophytes—focusing on plant form and structure. Learn about the relationships between appearance and function, ecology, systematics, and evolution, and become botanically literate. Gain practical experience in dissecting and analyzing plant structures.


7 Tuesdays, 3/21–5/9  (no class 4/11),
10 am–12:40 pm
Manny Grossman | NYBG | 173HRT300A

6 Sundays, 4/2–5/21  (no class 4/16 & 5/14),
10 am–1:20 pm
Regina Alvarez | NYBG | 174HRT300B

3 Mondays and 3 Thursdays, 6/26–7/17 
(no class 7/3), 6:15–8:55 pm
Gary Lincoff | Manhattan | 174HRT300C

3 Mondays and 3 Thursdays, 7/24–8/10 ,
6:15–8:55 pm
Manny Grossman | Manhattan | 181HRT300D

6 Saturdays, 9/9–10/28  (no class 9/30 & 10/7),
10 am–1:20 pm
Regina Alvarez | Manhattan | 181HRT300F


8 Thursdays, 9/28–11/16 , 10 am–12:20 pm
Anya Paltseva | NYBG | 181HRT300E


\$395/\$435

SOIL SCIENCE I: PHYSICAL PROPERTIES

ALL TRACKS

Soil is a dynamic, living organism and the very foundation of sustainable horticulture and agriculture. This course focuses on the texture, structure, density, and color of different soils and the dynamic relationship that exists among soil, water, and plants. Learn irrigation and drainage techniques and explore how soil, organic matter, and microbiology relate to plant health and soil conservation.


8 Thursdays, 3/16–5/4 , 10 am–12:35 pm
Anya Paltseva | NYBG | 173HRT301D

7 Thursdays, 6/15–7/27 , 10 am–1 pm
George Lozefski | NYBG | 174HRT301E

\$455/\$495



SOIL SCIENCE II: CHEMISTRY AND NUTRITION TRACKS 1, 2, & 3

Learn how to nurture the soil so it can sustain your plants. Gain an understanding of the cornerstones of soil chemistry: pH and its effects on nutrient availability to plants and the ionic exchange capacities of soil. Macronutrient cycles in the soil will be studied with emphasis on the complex nitrogen cycle and its importance to environmental and horticultural sustainability. Explore the use of organic and inorganic fertilizers and composted soil amendments. Students will perform an analysis of their own soil sample in class. In addition, study commercial soil tests and plant tissue tests as important tools in monitoring plant nutrition and health.  Prerequisite: *Soil Science I*

7 Wednesdays, 6/14–7/26 , 10 am–12:40 pm
George Lozefski | NYBG | 174HRT302

\$395/\$435


TREE CLIMBING FOR ARBORISTS TRACK 3


Improve your climbing skills by learning techniques such as rope setting, knot tying, body thrusting, doublecrotching, foot locking, and limb walking. Taught on the Garden grounds, this class offers expert instruction and critique. Wear comfortable clothing, sturdy work, or hiking boots, and light leather or cloth gloves. All other equipment is provided. Please bring lunch.


3 Saturdays, 6/3–6/17, 9 am–2:30 pm
(Rain Date: Saturday, 6/24)
Julian Picciano and Francisco Davila | NYBG
174HRT304

\$395/\$435

HORTICULTURAL TECHNIQUES: LANDSCAPE GARDENING TRACK 2

Learn the basic techniques of landscape gardening, with an emphasis on sustainable, ecologically appropriate practices. Topics include soil preparation, efficient water and fertilization practices, planting and transplanting, cultivation techniques, and maintaining healthy plants. Wear comfortable clothes and sturdy shoes, and come prepared to work outdoors. Please bring lunch to classes meeting all day.  Prerequisites: *Introduction to Plant Science and Soil Science I*

6 Tuesdays, 3/14–5/2 ,
4:30–7:30 pm, and Tuesday, 3/21, 10 am–4 pm,
(Rain Date: Wednesday, 3/22)
Mobee Weinstein | NYBG | 173HRT311A

6 Wednesdays, 3/15–4/26 , (no evening class
3/22), 4:30–7:30 pm, and Tuesday, 3/21, 10 am–4
pm (Rain Date: Wednesday, 3/22)
Mobee Weinstein | NYBG | 173HRT311S

\$455/\$495

BASIC DESIGN AND INSTALLATION OF IRRIGATION SYSTEMS TRACK 2


Learn the basic requirements for the design, installation, and maintenance of conventional and specialty drip and micro-drip irrigation systems. Discussions focus on layout and installation procedures, including basic hydraulics and irrigation product reviews. Drip systems are useful for rooftop and terrace gardens, planters, raised beds, and many landscape and nursery production systems. Learn to troubleshoot, practice visual maintenance, and identify service requirements. Design books supplied. Please bring lunch.


Monday & Tuesday, 3/27 & 3/28, 10 am–4:30 pm
Robert Schilke | NYBG | 173HRT323B

\$295/\$329

LANDSCAPE PLANTS: SPRING TREES AND SHRUBS

TRACK 3 & 4
This course is also required for the Landscape Design Certificate.

Learn the identification, classification, and landscape use of spring-flowering trees and shrubs. Major plant groups include *Magnolia*, *Malus*, *Prunus*, *Viburnum*, and other genera, which are particularly ornamental in spring. The class goes out on the grounds rain or shine.  Prerequisite: *Introduction to Plant Science*


6 Saturdays, 4/1–5/20  (no class 4/29 & 5/6), 10 am–12:25 pm
Vincent Simeone | NYBG | 174HRT334A

7 Wednesdays, 4/5–5/17  , 10 am–12 pm
Michael Ruggiero | NYBG | 174HRT334B


7 Thursdays, 4/6–5/18  , 5:30 –7:30 pm
Michael Ruggiero | NYBG | 174HRT334C


\$295/\$325

LANDSCAPE PLANTS: SPRING PERENNIALS

TRACK 4
This course is designed for horticulturists and gardeners who are familiar with the basic culture of perennials. Learn the identifying characteristics, classification, scientific and common names, and landscape uses of approximately 60 spring-blooming perennials. Please dress appropriately for outdoors.  Prerequisite: *Introduction to Plant Science*


4 Saturdays, 4/29–5/20  , 10 am–1 pm
Michael Hagen | NYBG | 174HRT336A


4 Fridays, 5/19–6/9  , 10 am–1 pm
Michael Ruggiero | NYBG | 174HRT336B


4 Thursdays, 6/8–6/29  , 4:30–7:30 pm
Katie Bronson | NYBG | 174HRT336S


\$219/\$239

LANDSCAPE PLANTS: SUMMER AND FALL PERENNIALS

TRACK 4
This course is designed for horticulturists and gardeners who are familiar with the basic culture of perennials. Learn the identifying characteristics, classification, scientific and common names, and landscape uses of approximately 60 summer- and fall-blooming native and non-native perennials. Please dress appropriately for outdoors.  Prerequisite: *Introduction to Plant Science*


4 Wednesdays, 9/6–9/27  , 10 am–1 pm
Ronda Brands | NYBG | 181HRT337S


4 Saturdays, 9/9–10/14  (no class 9/30 & 10/7), 10 am–1 pm
Michael Hagen | NYBG | 181HRT337A


4 Tuesdays, 9/12–10/10  (no class 9/19), 10 am–1 pm
Michael Ruggiero | NYBG | 181HRT337B

\$219/\$239

LANDSCAPE PLANTS: GRASSES


TRACK 4
Add depth and texture to the landscape with the careful selection and use of a variety of ornamental grasses. Be amazed by the wealth of opportunities to create height in a border from as little as 6 inches to 12 feet and more. Learn about design elements in the planning cycle, planting techniques, and long-term maintenance. Methods of managing pests, diseases, and weeds are discussed.  Prerequisite: *Introduction to Plant Science*


5 Thursdays, 7/20–8/17  , 2–4:15 pm
Bill Kolvek | NYBG | 181HRT340A

5 Thursdays, 7/20–8/17  , 6:15–8:30 pm
Bill Kolvek | NYBG | 181HRT340B

\$219/\$239

LANDSCAPE PLANTS: ANNUALS


TRACK 4
Become familiar with the identification, culture, and landscape use of annuals and select tender perennials. Review major groups of common species as well as more unusual types. Learn how to choose low-maintenance plants, and review the scientific and common names and the identification of approximately 60 annuals.  Prerequisite: *Introduction to Plant Science*

5 Saturdays, 6/10–7/15  (no class 7/1), 10 am–12 pm
Michael Ruggiero | NYBG | 174HRT341A


5 Wednesdays, 6/28–7/26  , 10 am–12 pm
Michael Ruggiero | NYBG | 174HRT341B

\$195/\$215

LANDSCAPE PLANTS: BULBS


TRACK 4
This course is designed for horticulturists who are familiar with the culture of bulbs and who wish to learn more about their biology, identification, and classification. Learn about familiar and unusual spring-, summer-, and autumn-flowering bulbs.  Prerequisite: *Introduction to Plant Science*

7 Thursdays, 3/16–4/27  , 10 am–12 pm
Marta McDowell | NYBG | 173HRT342A

7 Thursdays, 3/16–4/27  , 4–6 pm
Michael Hagen | NYBG | 173HRT342S

\$295/\$325

ANNUAL AND PERENNIAL GARDEN MAINTENANCE

TRACK 4
Learn how to manage annual and perennial gardens using a variety of in-season and post-season maintenance practices. Topics include soil and weed management, watering, basic pest identification and control, and seasonal clean-up. Develop a management plan for a small perennial garden.  Prerequisites: *Soil Science I* and *Plants for Landscaping* or *Landscape Plants: Perennials*

4 Saturdays, 3/18–4/8  , 10 am–12:40 pm
Deirdre Carsto | NYBG | 173HRT344

\$195/\$215

PLANTS FOR LANDSCAPING

TRACK 4
This course is also required for the Gardening Certificate and Landscape Design Certificate.

Examine the use of plants in the landscape with an emphasis on choosing the right plant for the right place—based on site-specific design and maintenance criteria. Learn aspects of special landscape values such as size, texture, color, and flowering and fruiting seasons. Review the trees, shrubs, groundcovers, annuals, and perennials suitable for landscaping in this region. Please dress for the weather and wear comfortable shoes.

5 Saturdays, 4/15–5/13, 10 am–1:15 pm
Valerie D'Antonio | NYBG | 174HRT358A


6 Tuesdays, 5/16–6/20, 10 am–12:40 pm
Michael Ruggiero | New Canaan Nature Center 174HRT358B


4 Saturdays, 6/3–6/24, 10 am–2:30 pm
Vincent Simeone | NYBG | 174HRT358C


6 Tuesdays, 9/26–10/31, 6:15–8:50 pm
Michael Ruggiero | NYBG | 181HRT358D

\$395/\$435

TROPICAL PLANTS

TRACK 4
Learn the identification, classification, and culture of houseplants, greenhouse, and conservatory plants. Major plant groups to be studied include aroids, bromeliads, Marantaceae, and other ornamental tropical plants grown indoors.  Prerequisite: *Introduction to Plant Science*

8 Tuesdays, 6/13–8/8  (no class 7/4), 5–7:10 pm
Songsuk Kim | NYBG | 174HRT361A

7 Tuesdays, 8/1–9/26  (no class 8/22 & 8/29), 4:30–7 pm
Eric Lieberman | NYBG | 181HRT361S

\$355/\$389

SAVE THE OAKS!

Don't miss *Preserving the Mighty Oak* on March 10, which brings together four celebrated experts to discuss the natural and cultural history of oaks, the challenges that face them, and best practices for promoting their health. More information is on page 2.



Illustration: Pin Oak, ©Rose Pellicano, NYBG Instructor

INSTRUCTOR BIOS CAN BE FOUND ONLINE AT NYBG.ORG/ADULTED

NATIVE PLANT COMMUNITIES: *A Weekend Retreat with Darrel Morrison*



Join inspiring ecological landscape designer Darrel Morrison, FASLA, for a "total immersion" three-day workshop in the beauty of New York's Black Rock Forest Consortium in Cornwall, New York. Back by popular demand, this deeply enriching course focuses on the botanic composition, aesthetic character, and ecological dynamics of native plant communities in the New York City region.

Fieldwork and studio exercises combine scientific and artistic approaches, including plot- and line-sampling exercises to determine the frequency and abundance of plant species, and an artistic approach to identifying and documenting plant species.

Landscape architect Nancy Aten, PLA, ASLA, and protégé of Darrel Morrison, will co-teach. Students should have a background in botany, ecology, horticulture, or landscape design, or some general knowledge of native plants. Visit our website for details on food, travel, and lodging.


Friday–Sunday, 6/16–6/18, 9 am–5 pm
Darrel Morrison, Nancy Aten


Off site | 174HRT906 | \$795/\$875

“You learn plants by walking with them. There is no comparison. You learn with your soul when you’re learning with Darrel. You’ll be enriched by how he takes inspiration from the landscape.”

—Marc Wolf, 2014 Participant


URBAN TREE CARE


TRACK 3
Learn how trees survive the many perils of the urban environment. Soil compaction, construction damage, and land development practices can lead to tree decline and early mortality in trees. Examine the biology of trees, and learn how they respond to changes in the urban environment, particularly their response to natural and man-made stress. Explore techniques for assessing and preserving tree health and vigor, as well as new diagnostic tools and methods for tree and site analysis in developed urban sites.  Prerequisite: *Introduction to Plant Science*


5 Tuesdays, 5/2–5/30  , 6–9 pm
Julian Picciano | NYBG | 174HRT426

\$295/\$325

DISEASE IDENTIFICATION & MANAGEMENT


TRACKS 1, 2, & 3
Learn about common diseases of woody and herbaceous ornamentals and turfgrass caused by bacteria, fungi, nematodes, viruses, and abiotic factors and the cultural, biological, and least toxic strategies for their control. Discuss diagnoses of plant problems, including identification of disease– and nutrient–related symptoms.  Prerequisite: *Introduction to Plant Science*


7 Wednesdays, 9/6–10/25  (no class 9/20), 4:30–7:30 pm
Chris Borman | NYBG | 181HRT481S

7 Saturdays, 9/9–11/4  (no class 9/30 & 10/7), 10 am–1 pm
Chris Borman | NYBG | 181HRT481A

\$455/\$495


WEED IDENTIFICATION & MANAGEMENT

TRACK 2
Learn how to identify and manage the common turf and landscape weeds found in residential and commercial sites. A variety of weed control methods, including non-chemical approaches, are examined. Weed biology, biochemical pathways, herbicides and their application techniques, and equipment calibration and care are studied, as are seasonal weed control programs. Field walks on the Garden grounds are included. Dress for the weather.  Prerequisite: *Introduction to Plant Science*

5 Wednesdays, 5/3–5/31  , 4:30–7:30 pm
David Laswell | NYBG | 174HRT482

\$355/\$395

SUSTAINABLE GARDEN DESIGN

Learn the fundamental principles of design in this studio-oriented course, including site analysis, schematic and finished planting plans, and various garden styles. Study the effective use of color when selecting specific garden plants and learn various color schemes such as analogous or sequential, complementary, and monochrome. Visual presentations, discussions, and design projects combine practical information with the more theoretical aspects of garden design. Review flowering trees, shrubs, perennials, annuals, and bulbs. A list of required materials will be provided.  Prerequisite: *Graphics I*, *Landscape Plants: Annuals*, *Landscape Plants: Spring Perennials* and *Landscape Plants: Summer and Fall Perennials*

7 Saturdays, 9/9–11/4 (no class 9/30 & 10/7), 10 am–12:50 pm
Laura McKillop | NYBG | 181HRT551

\$485/\$535

 Exam on last class date.

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 800.322.NYBG (6924)

HORTICULTURAL THERAPY



Plein-air ©Paul Bachem, *The Pink Umbrella*, Oil | Perennial Garden, NYBG

If you have a passion for plants and helping people, then pursue horticultural therapy and learn how to bring people and the natural environment together for healing purposes. Acquire the therapeutic skills and horticultural techniques needed to serve a broad population of people in need. Enroll in a single class or pursue a Horticultural Therapy Certificate.

THE CERTIFICATE PROGRAM

The NYBG Horticultural Therapy Certificate Program helps students begin or complement their careers through an in-depth exploration of skills and innovative methods using plants and the growing environment to heal and rehabilitate people. Taught by practicing horticultural therapists, this program trains students in the design, implementation, and operation of programs for individuals and groups in a wide variety of health care settings and human services programs.

Upon completion of the program, students will:

- Understand the characteristics and etiologies of the various populations served by horticultural therapy.
- Demonstrate skills in goal setting, activity planning, risk management, evaluation methods, plant selection, and accessible design.
- Prepare proposals to deliver horticultural therapy programs in various venues, including public settings, not-for-profit organizations, private companies, and independent contracting services.



Summer Intensive Classes

July 10–August 26

If you have a limited amount of time, yet are devoted to learning about Horticultural Therapy, then Summer Intensive Classes are for you! All required courses are offered in a condensed format, making it easier than ever to start the Certificate this season.

THE CLASSES

Introduction to Horticultural Therapy

Monday, Wednesday, & Friday, 7/10, 7/12, & 7/14
10 am–3:30 pm | 181THR301B

Horticultural Therapy for Physical Rehabilitation

Monday, Wednesday, & Friday, 7/17, 7/19, & 7/21
10 am–3:30 pm | 181THR403B

Horticultural Therapy for Exceptional Youth

Monday, Wednesday, & Friday, 7/24, 7/26, & 7/28
10 am–3:30 pm | 181THR402B

Horticultural Therapy for the Aging Population

Monday, Wednesday, & Friday, 7/31, 8/2, & 8/4
10 am–3:30 pm | 181THR401

Horticultural Therapy in Behavioral Health Settings

Monday, Wednesday, & Friday, 8/7, 8/9, & 8/11
10 am–3:30 pm | 181THR404B

Horticultural Therapy Methods and Materials

Monday, Wednesday, & Friday, 7/10, 7/12, & 7/14
10 am–3:30 pm | 181THR406

Activities Analysis for Horticultural Therapy

Monday, Wednesday, & Friday, 7/31, 8/2, & 8/4
10 am–3:30 pm | 181THR407

Garden Design for Special Populations

Tuesday, Thursday, 8/1, 8/3, 8/8, & 8/10
10 am–2 pm | 181THR408

Horticultural Therapy Program Management

3 Saturdays, 8/12–8/26
10 am–3:30 pm | 181THR409B

Site visits are also scheduled in June and August. See class listings for descriptions, instructors, and fees.



“I started studying horticultural therapy to expand on my work as a health educator, and to learn more about working with plants and special populations. I’ve met great teachers and excellent mentors at NYBG. Now I’m applying my new knowledge and experience at the Brooklyn Botanic Garden, working with children of all ages, including those with special needs.”

— SHANNON SODANO HEFFERNAN
2017 Graduation Candidate,
Instructor at Brooklyn Botanic Garden













GET NYBG CERTIFIED


Given America’s green movement, aging demographics, and evolving approaches to health care, Horticultural Therapy is one of the real growth sectors in hospitals, rehabilitation centers, schools, prisons, and mental health programs. The NYBG Certificate in Horticultural Therapy is known nationwide as marking the completion of important initial training toward professional registration with the American Horticultural Therapy Association.

QUESTIONS? CONTACT PROGRAM COORDINATOR PHYLLIS D’AMICO, HTM, AT THRCOORDINATOR@NYBG.ORG

CERTIFICATE REQUIREMENTS

Certificate students must complete 189 course hours (181 required + 8 site visit hours), plus a 100-hour internship. After completing a minimum of six courses, students should contact the Program Coordinator to arrange for their internship. To be considered for graduation on June 4, 2017, all internship documentation must be submitted to the Registration Office by May 12, 2017.

COURSE	CODE	HOURS	PAGE
TIER 1 – INTRODUCTORY CLASSES			
Introduction to Horticultural Therapy	THR 301	15	38
Fundamentals of Gardening	GAR 301	12	27
Introduction to Plant Science	HRT 300	16	33
TIER 2			
Horticultural Therapy for the Aging Population	THR 401 	15	38
Horticultural Therapy for Exceptional Youth	THR 402 	15	38
Horticultural Therapy for Physical Rehabilitation	THR 403 	15	39
Horticultural Therapy in Behavioral Health Settings	THR 404 	15	39
Horticultural Therapy Methods and Materials	THR 406 	15	39
Activities Analysis for Horticultural Therapy	THR 407 	15	39
Garden Design for Special Populations	THR 408 	15	39
Horticultural Therapy Program Management	THR 409 	15	39
Plant Propagation I: Basic Principles	HRT 411 	18	35
Horticultural Therapy Site Visits (see list below)		8	
TOTAL REQUIRED HOURS		189	
SITE VISITS			
NYU Langone Medical Center, Therapeutic Horticulture Services	THR 525 	5	39
The HSNY’s GreenHouse Program on Rikers Island	THR 537 	5	39
Good Samaritan Regional Medical Center: The Garden of Hope	THR 546 	5	39

 Courses with a prerequisite before you can register



The Horticultural Therapy Certificate Program is accredited by the American Horticultural Therapy Association (AHTA). Horticultural Therapy courses are eligible for college credit and can be applied toward voluntary Professional Registration through the AHTA. See page 51 for more information.

THE CLASSES


INTRODUCTION TO HORTICULTURAL THERAPY

Explore the plant-people relationships and scientific research that are the foundations of horticultural therapy. Learn about current programs that utilize horticultural therapy and the benefits of using plants and plant-related activities to reach cognitive, physical, psychological, and social goals for a variety of populations. Engage in activities for disability awareness and the development of therapeutic skills. Resources for professional development and the professional registration process are covered. Please bring lunch.

3 Saturdays, 3/4–3/18, 10 am–3:30 pm Anne Meore, HTR NYBG 173THR301D
3 Saturdays, 5/6–5/20, 10 am–3:30 pm Anne Meore, HTR NYBG 174THR301A
Monday, Wednesday, & Friday, 7/10, 7/12, & 7/14, 10 am–3:30 pm Anne Meore, HTR NYBG 181THR301B


\$365/\$399
\$45 College Credit Recommendation Fee (Optional)

HORTICULTURAL THERAPY FOR THE AGING POPULATION

Older adults present an increasing need for therapeutic services. Learn about the physical, sensory, cognitive, psychological, and social aspects of aging and their implications for horticultural therapy programming. Explore how horticulture can be an important component in the various levels of geriatric care. Please bring lunch.  Prerequisite: *Introduction to Horticultural Therapy*


Monday, Wednesday, & Friday, 7/31, 8/2, & 8/4, 10 am–3:30 pm Kathy Brechner, HTR NYBG 181THR401
\$365/\$399 \$45 College Credit Recommendation Fee (Optional)

HORTICULTURAL THERAPY FOR EXCEPTIONAL YOUTH

Children and adolescents with special needs are the focus of this course. Gain an understanding of the causes and characteristics of various developmental, sensory, physical, behavioral, and learning disabilities. Learn to implement horticultural therapy for a wide variety of goals in programs for preschool-through high school-aged students. Explore the brain-based research and discover how horticultural therapy activities can aid in perceptual development and the learning process. Please bring lunch.  Prerequisite: *Introduction to Horticultural Therapy*


4 Thursdays, 4/6–5/4 (no class 4/13), 5:30–9:15 pm Phyllis D’Amico, HTM NYBG 174THR402A
Monday, Wednesday, & Friday, 7/24, 7/26, & 7/28, 10 am–3:30 pm Phyllis D’Amico, HTM NYBG 181THR402B
\$389/\$429 \$45 College Credit Recommendation Fee (Optional)

HORTICULTURAL THERAPY FOR PHYSICAL REHABILITATION

Sharpen your clinical skills while learning how horticultural therapy is utilized in a physical rehabilitation setting. Explore the team treatment process and learn about the various conditions treated in this setting. Etiology, diagnosis, and psychosocial effects are covered. Learn the role of the horticultural therapist in the treatment process, including assessment, documentation, and development of goals and objectives. Review case studies and develop treatment plans. Please bring lunch.  Prerequisite: *Introduction to Horticultural Therapy*


3 Saturdays, 6/3–6/17, 10 am–3:30 pm Matthew Wichrowski, HTR NYBG 174THR403A
Monday, Wednesday, & Friday, 7/17, 7/19, & 7/21, 10 am–3:30 pm Matthew Wichrowski, HTR NYBG 181THR403B
\$389/\$429 \$45 College Credit Recommendation Fee (Optional)

HORTICULTURAL THERAPY IN BEHAVIORAL HEALTH SETTINGS

Horticultural therapy is practiced in a multitude of behavioral health settings, including hospitals, day treatment programs, group homes, and in private practice. Learn the diagnostic criteria for major psychiatric conditions, including anxiety, mood, psychotic, cognitive, and substance abuse disorders. Review actual case studies and create treatment plans utilizing horticulture activities for specific needs. Please bring lunch.  Prerequisite: *Introduction to Horticultural Therapy*


3 Saturdays, 4/8–4/22, 10 am–3:30 pm John Beirne, HTR NYBG 173THR404A
Monday, Wednesday, & Friday, 8/7, 8/9, & 8/11, 10 am–3:30 pm John Beirne, HTR NYBG 181THR404B
\$389/\$429 \$45 College Credit Recommendation Fee (Optional)

HORTICULTURAL THERAPY METHODS AND MATERIALS

Evaluate tools, equipment, structures, and techniques used by participants in horticultural therapy activities. Design and construct adaptive tools and assistive devices through problem-solving activities. Expand your plant-selecting skills for specific therapeutic programming needs as you explore the collections and gardens at NYBG. Learn preventive approaches to safety in all horticultural therapy settings. Please bring lunch.  Prerequisites: *Introduction to Horticultural Therapy* and *Horticultural Therapy for Physical Rehabilitation* (or approval of the Program Coordinator)


2 Wednesdays, 5/10–5/24 (no class 5/17), 5:30–8:30 pm, and 1 Saturday, 5/20, 10 am–1 pm Phyllis D’Amico, HTM, and John Beirne, HTR NYBG 174THR406
Monday, Wednesday, & Friday, 7/10, 7/12, & 7/14, 10 am–3:30 pm Phyllis D’Amico, HTM, and John Beirne, HTR NYBG 181THR406
\$395/\$435 \$45 College Credit Recommendation Fee (Optional)

ACTIVITIES ANALYSIS FOR HORTICULTURAL THERAPY

Activities analysis explores the various aspects of horticultural therapy activities as they relate to both client and administrative needs. Each activity is analyzed in an effort to structure activities that can achieve measurable clinical outcomes. Learn to develop a needs assessment and activity plan, write specific goals with measurable objectives, and practice leadership skills needed to work with groups and individuals. Please bring lunch.  Prerequisites: *Introduction to Horticultural Therapy* and *Horticultural Therapy for Physical Rehabilitation* (or approval of the Program Coordinator)


Monday, Wednesday, & Friday, 7/31, 8/2, & 8/4, 10 am–3:30 pm Ciri Malamud, HTR, CRC NYBG 181THR407
\$395/\$435 \$45 College Credit Recommendation Fee (Optional)

HORTICULTURAL THERAPY PROGRAM MANAGEMENT

Learn how to design and implement a horticultural therapy program in the private or public sector. Gain skills in developing program proposals, writing protocols, establishing evaluation methods and record-keeping policies, and managing staff and volunteers. Topics in business practices will include budget development and management, legal aspects of business establishment, and fundraising. Please bring lunch.  Prerequisites: Successful completion of *Horticultural Therapy for the Aging Population*, *Exceptional Youth*, *Physical Rehabilitation*, and *in Behavioral Health Settings* (or approval of the Program Coordinator)


3 Sundays, 4/23–5/7, 10 am–3:30 pm Pat Czarnecki, HTR NYBG 174THR409A
3 Saturdays, 8/12–8/26, 10 am–3:30 pm Pat Czarnecki, HTR NYBG 181THR409B
\$389/\$429 \$45 College Credit Recommendation Fee (Optional)

GARDEN DESIGN FOR SPECIAL POPULATIONS

Gardens can be catalysts for learning, health, inclusion, and therapy. Gain the knowledge, expertise, and tools to create, renovate, and evaluate both interior and exterior spaces to ensure effective gardens. Learn the latest research in health care garden design, common design principles, and necessary considerations and accommodations for target populations.  Prerequisites: *Introduction to Horticultural Therapy* and *Horticultural Therapy for Physical Rehabilitation* (or approval of the Program Coordinator)

Tuesdays & Thursdays, 8/1–8/10, 10 am–2 pm Nancy Minich, HTR, RLA NYBG 181THR408
\$365/\$399 \$45 College Credit Recommendation Fee (Optional)

SITE VISITS

 *Introduction to Horticultural Therapy* is the prerequisite for all site visits. Please bring lunch.

NYU LANGONE MEDICAL CENTER, THERAPEUTIC HORTICULTURE SERVICES, MANHATTAN

The focus of this individualized intensive training is on physical medicine and rehabilitation—history, philosophy, and team functions. Participate in horticulture treatment sessions that deal with patient functioning, treatment goals, and precautions.

Tuesday, 5/9, 9:30 am–2:30 pm Matthew Wichrowski, HTR, and staff Off site 174THR525A
Tuesday, 8/1, 9:30 am–2:30 pm Matthew Wichrowski, HTR, and staff Off site 181THR525B
\$135/\$149

THE HSNY’S GREENHOUSE PROGRAM ON RIKERS ISLAND

Hands-on healing and learning through horticulture takes place at HSNY’s GreenHouse program on Rikers Island. Designed and built by inmates and their instructors, the garden features a native woodland, nursery, and vegetable and herb gardens. HSNY’s horticultural therapists will give an overview of the program, and then you will spend the rest of the morning with student-inmates at the GreenHouse.

Thursday, 6/8, 6:30 am–1 pm Hilda Krus, HTR Off site 174THR537
\$135/\$149

GOOD SAMARITAN REGIONAL MEDICAL CENTER: THE GARDEN OF HOPE:

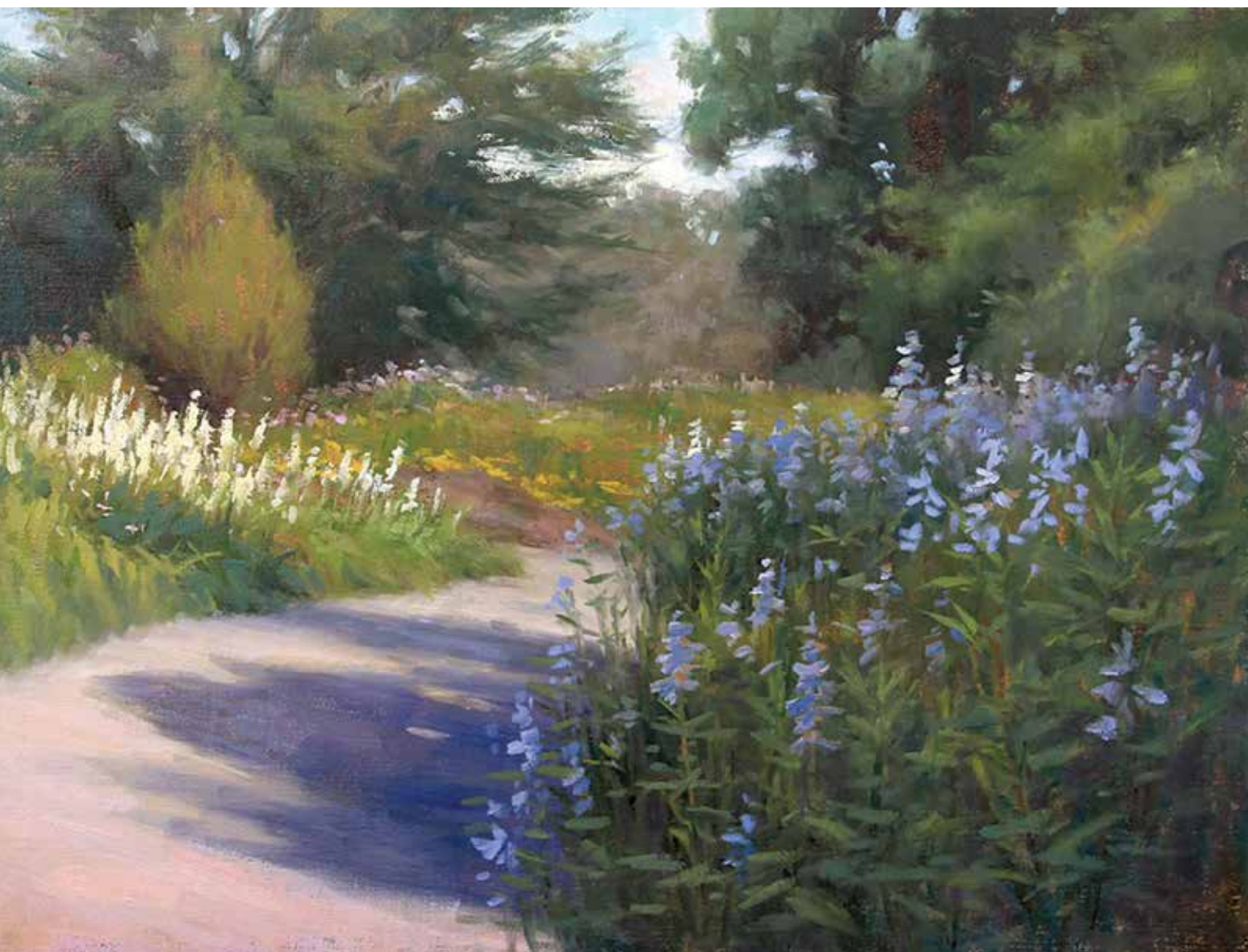
Westchester Medical Health Center Network
With its 32’ x 40’ growing space for edible and sensory plantings, The Garden of Hope offers horticultural therapy opportunities to a wide array of special needs populations. The garden is equipped with rolling planting tables, traditional raised beds, and accessibility features for those with mobility challenges. Explore and engage in therapeutic techniques specific to programming in outdoor spaces.

Monday, 8/7 (Rain Date: Tuesday, 8/8), 9:30 am–2:30 pm Anne Meore, HTR Off site 181THR546
\$135/\$149



Illustration: Pink Water Lilies, ©Christine Leddy

LANDSCAPE DESIGN



Plein-air ©Lisa Mitchell, *Native Plants*, Oil | Native Plant Garden, NYBG

The need to develop, preserve, and protect our open spaces and environmental and cultural resources has never been greater. NYBG's engaging, career-oriented program gives you a solid, plant-focused foundation along with the skills and confidence to start your own business. And the Garden offers 250 inspiring acres of sustainable, functional landscapes for up-close, in-depth study. Take a single class for pleasure or pursue a professional Certificate in Landscape Design.

THE CERTIFICATE PROGRAM

The NYBG Landscape Design Certificate Program prepares students for creative careers as landscape designers. Outstanding instructors who are working professionals cover every step of the design process, from landscape history to site analysis and design development. This interactive program enables you to take on a spectrum of projects from simple to complex and also to offer complete landscape design services.

Upon completion of the program, students will:

- Analyze existing landscapes, identify site-specific problems, and develop design solutions.
- Prepare planting plans that are practical, sustainable, and aesthetically pleasing for a variety of projects.
- Demonstrate skills associated with site engineering practices, principles, and techniques.
- Develop strategies for professional success using business skills in preparing proposals, pricing, purchasing, and more.



Summer Intensive Program

July 10–August 16

In just over five weeks, earn nearly half the course hours required for the NYBG Certificate in Landscape Design. Interactive classes with top landscape architects, designers, guest lecturers, plus trips to historic sites, and the Garden's incomparable resources...this summer program gets your career on the fast track!

THE CLASSES

Landscape Design History | Graphics I and II | Landscape Design I and II
Landscape Measurement | Plants for Landscaping | Site Visits
Special Presentations | Open Studio Access

Monday–Friday, July 10–August 11, Monday–Wednesday, August 14–16 | 9 am–5 pm
 NYBG | 181LAN960

TUITION AND REFUNDS

\$4,995 (Member)/\$5,245 (Non-Member)
 A \$1,750 non-refundable deposit is due at registration.

An optional payment schedule is available if requested. \$1,750 is due at registration, 2nd payment due May 22, final payment due Monday, June 19. No refunds after Monday, June 19, 2017.

Questions about the Intensive? Call 718.817.8747 or email: adulted@nybg.org

Class size is limited for individualized attention. Enroll now!



"I came to NYBG as a Summer Intensive Landscape Design student to see if I wanted to pursue a career in the field. From the first day, I knew I'd made the right decision. The teachers—landscape architects, historians, head horticulturists—were experienced and encouraging, and the work was challenging. The Intensive confirmed my direction, and I'm currently on track to complete the Certificate Program within a year."

— SARAH RABDAU
 2017 Graduation Candidate

















**GET NYBG
 CERTIFIED**


Landscape designers play an increasingly pivotal role as society deals with the fundamental question of how our land—public and private—is used. Whether you're changing careers or taking yours to the next level, the NYBG Landscape Design Certificate distinguishes your portfolio and showcases your development as a complete professional. Our curriculum, instructors, and influential alumni network make this the gold standard in Certificate programs. And that puts you ahead—with colleagues, employers, and clients.

Susan Cohen, Program Coordinator
Nancy Gerlach-Spriggs, Program Advisor
William Harris Einhorn, Program Advisor

**QUESTIONS? CONTACT PROGRAM
 COORDINATOR SUSAN COHEN, FASLA, RLA,
 AT LANCOORDINATOR@NYBG.ORG**

CERTIFICATE REQUIREMENTS

COURSE	CODE	HOURS	PAGE
TIER 1 – INTRODUCTORY CLASSES			
Landscape Design History	LAN 301	24	44
Graphics I	LAN 311	24	44
Landscape Measurement	LAN 340	12	44
Landscape Plants: Fall Trees and Shrubs*	HRT 331 	12	—
Landscape Plants: Spring Trees and Shrubs	HRT 334 	12	34
Plants for Landscaping	HRT 358	16	34
TIER 2			
Landscape Design I: Site Analysis and Schematic Design	LAN 401 	24	44
Landscape Design II: Design Development	LAN 402 	24	45
Estimating*	LAN 380 	9	—
Graphics II	LAN 411 	24	44
Grading	LAN 421 	24	45
Site Materials and Details	LAN 422 	24	45
TIER 3			
Drainage	LAN 425 	12	45
Graphics III	LAN 417 	24	44
Landscape Design III: Planting Design	LAN 403 	24	45
Professional Practice for Landscape Designers	LAN 485 	12	45
Landscape Design IV: Design and Construction	LAN 520 	33	45
Portfolio and Presentation Skills	LAN 555 	16	45
TOTAL REQUIRED HOURS		350	

*Courses offered in the Fall–Winter Catalog
 Courses with a prerequisite before you can register

For professional organizations, see p. 51.

STUDENT INFORMATION

Class material: In addition to the course fees listed, students should anticipate spending approximately \$700 on class materials while completing their Certificate.

Homework: Students should expect that homework will be assigned in most courses.



THE CLASSES

INTRO TO LANDSCAPE DESIGN

Gain an introduction to the terminology, concepts, and basic principles of landscape design through lectures and simple two-dimensional exercises. This course is recommended for students with little or no background in design who want to design for their own home or who are considering a Certificate.

3 Thursdays, 4/6–4/20, 10 am–1 pm
Nancy Gerlach-Spriggs | NYBG | 174LAN100A

3 Thursdays, 7/20–8/3, 6:15–9:15 pm
Daryl Beyers | Manhattan | 181LAN100B

3 Tuesdays, 9/12–9/26, 6:15–9:15 pm
Daryl Beyers | Manhattan | 181LAN100C

3 Mondays, 9/18–10/2, 10 am–1 pm
Nancy Gerlach-Spriggs | NYBG | 181LAN100D

\$185/\$205

SUBURBAN LANDSCAPE DESIGN

Bringing innovative design to an ordinary front or back yard can transform an underused or out-of-date area into a vibrant space. Presentations illustrate creative ways to enhance an entrance with paving and plants, make over a narrow side yard, and screen undesirable views. Topics include reliable trees and shrubs, new native plantings, and the use of borrowed views, fencing, and terraces.

Wednesday, 3/29, 10 am–1 pm
Florence Boogaerts, APLD | NYBG | 173LAN160

\$59/\$65

DYNASCAPE: CAD FOR LANDSCAPE DESIGNERS

Learn the various tools and applications of this software package for landscape designers. Topics include: basic skills for developing professional landscape plans, making base plans from surveys, techniques for quick estimates, and utilizing the online plant database. You must have basic computer skills and bring a PC laptop to class, not a Mac.

8 Fridays, 3/31–6/2, 10 am–1 pm
(no class 4/14 & 5/26)
William Harris Einhorn, RLA | NYBG | 173LAN427

\$555/\$609 *(There is an additional software fee of \$125. Special cancellation policy applies.)*

NEW! PLANT COMMUNITIES WORKSHOP

Plants surround us in a profusion of forms. But in naturally occurring landscapes, these combinations are far from random, and are often dictated by complex factors, which limit or encourage the growth of particular plants. In this workshop you will gain insight into how, where, and why these “plant communities” form. The concepts will fundamentally change the way you view natural landscapes, and give you with a new toolbox for designing plantings inspired by plant communities.

2 Fridays, 6/16 & 6/23, 9 am–1:30 pm
Uli Lorimer | NYBG | 174HRT353

\$169/\$185



Photo courtesy of LuEsther T. Mertz Library

NEW! CAPABILITY BROWN

This year marks the 300th Anniversary of the birth of Capability Brown, “England’s greatest gardener” and the Western world’s most influential landscape architect. His designs at more than 170 country houses and estates—with acres of undulating grass, scatterings of trees, and serpentine lakes—swept away the well-known formal English style, transforming the look of Britain and beyond. This series of classes examines four of Brown’s signature gardens, identifying what made his designs so successful and revolutionary in 18th-century Europe and America.

2 Fridays, 3/3 & 3/10, 10 am–1 pm
Linda A. Chisholm | NYBG | 173LAN352

\$145/\$159

INTRO TO GREEN WALLS

Explore various types of green walls used in the United States and Europe. Learn what system might best fit your project, what it takes to build such a wall, and how much maintenance is needed. Gain an understanding of the process from design to installation of one interior and one exterior green wall system and which plants are the most appropriate.

Tuesday, 4/18, 6–8 pm
Hanna Packer | Manhattan | 174LAN110

\$59/\$65

INTRO TO GREEN ROOFS

Study basic design, installation, and maintenance strategies for green roofs. Using case studies and discussion, this introductory course explores approaches and standards for developing green roof technologies in the Metropolitan New York region.

Tuesday, 6/20, 6–8 pm
Hanna Packer | Manhattan | 174LAN112

\$59/\$65

NEW! THE SPIRIT OF STONE

For award-winning designer Jan Johnsen, stones infuse a garden with a sense of stability and power. To illustrate this, she will lead you on a tour through NYBG’s gardens, highlighting the many ways glacial boulders, paving stones, and others have been creatively incorporated into the landscape to enhance its beauty. Jan will also share secrets from her new book, *The Spirit of Stone*, which teaches homeowners to use stones to conserve water and make their gardens more sustainable.

Thursday, 5/4, 10 am–2:30 pm
Jan Johnsen | NYBG | 174LAN190

\$119/\$129

LANDSCAPE DESIGN TIPS: LEARNING FROM BEFORE AND AFTER

Using illustrative before and after photos of various projects she has executed throughout her long career, landscape designer Jan Johnsen shares 25 specific tips to enhance your garden. Techniques include “Lure of the Sheltered Corner,” “The Principle of Three Depths,” “Raising the Canopy,” and many more. Students will be given a handout listing all tips discussed in class.

Thursday, 6/1, 10 am–2:30 pm
Jan Johnsen | NYBG | 174LAN169

\$119/\$129

NATIVE PLANT COMMUNITIES:
A Weekend Retreat with Darrel Morrison



Join inspiring ecological landscape designer Darrel Morrison, FASLA, for a “total immersion” three-day workshop in the beauty of New York’s Black Rock Forest Consortium in Cornwall, New York. Back by popular demand, this deeply enriching course focuses on the botanic composition, aesthetic character, and ecological dynamics of native plant communities in the New York City region.

“You learn plants by walking with them. There is no comparison. You learn with your soul when you’re learning with Darrel. You’ll be enriched by how he takes inspiration from the landscape.”

—Marc Wolf, 2014 Participant

Friday–Sunday, 6/16–6/18, 9 am–5 pm
Darrel Morrison, Nancy Aten

Off site | 174HRT906 | \$795/\$875

See p. 35 for details.





Make the Most of Your Summer!



Immerse yourself in a thoughtfully planned five-week program that combines an exceptional sequence of courses in landscape history, graphics, design, and horticulture. NYBG's Landscape Design Summer Intensive is a unique opportunity to dive into the field in order to create a new career or to investigate your passion.

As an Intensive student, you will study with extraordinary instructors, all professionals in their fields. In addition to the courses required for the Certificate, you will enjoy the added attractions of curator-led tours of NYBG's most important gardens, portfolio presentations by accomplished landscape designers, and a visit to the world-renowned High Line with an experienced landscape architect as your guide. Studio classes allow you to delve into real-life design challenges, while open studios provide time for you to work in a collegial environment.

Past participants have universally praised the NYBG Summer Intensive and noted their sense of accomplishment at having completed nearly half of the courses required for a Landscape Design Certificate.

Join us this summer, and be on track to receive your Certificate in 2018!

CERTIFICATE CLASSES

These classes are also open to Non-Certificate students.

LANDSCAPE DESIGN HISTORY

Study theories and principles that have shaped the design of landscapes from antiquity to the present. Explore Eastern and Western garden traditions. Survey all types of gardens and landscapes, including corporate and public spaces, through visual presentations, assigned readings, projects, and classroom discussion. Landscape designs will be considered in the context of the times and societies in which they were created.

9 Wednesdays, 3/22–5/17🔗, 6:15–9:15 pm
Mark Bunnell, RLA | Manhattan | 173LAN301A

8 Wednesdays, 5/3–6/21, 10 am–1 pm
Linda A. Chisholm | NYBG | 174LAN301B

\$595/\$655 *Certificate Requirement; this course is also required for Horticulture Certificate TRACK 4.*

LANDSCAPE MEASUREMENT

Precise field measurement is the crucial first step in landscape design. Learn how to properly use automatic levels, tapes, and sophisticated survey instruments such as a total-station and mapping grade GPS. Topics will include accurately measuring distances, differences in elevation, and angles. A basic understanding of geometry and trigonometry is helpful. Dress for the weather.

4 Sundays, 4/2–4/30 (no class 4/16), 1–4 pm
Wayne Cahilly | NYBG | 174LAN340A

4 Saturdays, 4/29–5/20, 10 am–1 pm
Sarah Hettinger | NYBG | 174LAN340B

4 Saturdays, 9/9–10/14 (no class 9/30 & 10/7), 10 am–1 pm
Wayne Cahilly | NYBG | 181LAN340C

\$295/\$325 *Certificate Requirement*

GRAPHICS I

Graphics are essential in developing and communicating your design ideas. Practice various graphic techniques and learn how to organize and render landscape plans on paper for optimal presentation to clients. Work with a range of drawing materials and drafting equipment. Homework is required.

4 Tuesdays & 4 Thursdays, 4/4–5/2 (no class 4/11), 10 am–1 pm
William Harris Einhorn, RLA | NYBG | 174LAN311A

8 Tuesdays, 5/9–6/27, 6:15–9:15 pm
Gustavo Capparelli | NYBG | 174LAN311B

Monday–Thursday, 7/10–7/20, 6–9 pm
Elizabeth Poccia | Manhattan | 181LAN311C

\$595/\$655 *Certificate Requirement; this course is also required for the Horticulture Certificate TRACK 4.*

GRAPHICS II

Sharpen your graphic skills as you create a file of symbols and styles to draw upon for future professional use. Techniques for black-and-white and color rendering, sheet layout, section elevations, and perspectives are covered. 📖 Prerequisite: *Graphics I*

4 Tuesdays & 4 Thursdays, 5/9–6/1, 10 am–1 pm
William Harris Einhorn, RLA | NYBG | 174LAN411A

Monday–Thursday, 8/7–8/17, 6–9 pm
Elizabeth Poccia | Manhattan | 181LAN411B

8 Tuesdays, 9/12–10/31, 6:15–9:15 pm
William Harris Einhorn, RLA | NYBG | 181LAN411C

\$595/\$655 *Certificate Requirement*

GRAPHICS III

Build and expand upon your graphic presentation skills to create professional presentations to clients. Trimble SketchUp, a 3D sketching software program, is the focus of this advanced graphics class. Laptop computers with SketchUp are required. 📖 Prerequisite: *Graphics II*

8 Tuesdays, 3/14–5/9 (no class 4/11), 6:15–9:15 pm
Francine Douwes Whitney, APLD | Manhattan | 173LAN417E

8 Wednesdays, 4/5–5/24, 10 am–1 pm
William Harris Einhorn, RLA | NYBG | 174LAN417A

8 Thursdays, 9/14–11/9 (No class 9/21), 10 am–1 pm
William Harris Einhorn, RLA | NYBG | 181LAN417B

\$595/\$655 *Certificate Requirement; this course is also required for the Horticulture Certificate TRACK 4.*

LANDSCAPE DESIGN I: SITE ANALYSIS AND SCHEMATIC DESIGN

Turning a vision into a plan is the designer's first challenge. Learn how to analyze existing landscapes and formulate the programmatic and functional requirements of a design project. Translate these into schematic design solutions. Take part in class discussions and critiques, and present projects. This is the first of four successive studio courses. Extensive out-of-class design homework is required. 📖 Prerequisites: *Landscape Design History* and *Graphics I*

8 Tuesdays, 4/4–5/30 (no class 4/11), 10 am–1 pm
Michael Payton | NYBG | 174LAN401A

8 Thursdays, 4/27–6/15, 6:15–9:15 pm
Michelle Lin-Luse | Manhattan | 174LAN401B

\$575/\$635 *Certificate Requirement*

🔗 Exam on last class date.



LANDSCAPE DESIGN II: DESIGN DEVELOPMENT

Apply basic design concepts to site-specific problems, focusing on the process of design development. Start with a conceptual design, then progress through the schematic phase, leading to a preliminary design solution. Examine the relationships of landscape elements and materials to the design process. 📖 Prerequisites: *Landscape Design I* and *Graphics II*

8 Thursdays, 6/1–7/27, 10 am–1 pm
Michael Payton | NYBG | 174LAN402E

8 Wednesdays, 9/13–11/8 (no class 9/20), 10 am–1 pm
Nancy Gerlach-Spriggs | NYBG | 181LAN402A

\$575/\$635 *Certificate Requirement*

LANDSCAPE DESIGN III: PLANTING DESIGN

Through a series of design assignments, learn how to prepare planting plans for a variety of projects. Explore the significance of site conditions as well as plant form, texture, color, and ecological associations. Learn to develop plans that are practical, appropriate, and aesthetically satisfying. 📖 Prerequisites: *Landscape Design II*, *Graphics III*, and *Plants for Landscaping*. Recommended: *Landscape Plants: Fall Trees and Shrubs* and *Landscape Plants: Spring Trees and Shrubs*

8 Mondays, 3/20–5/8, 10 am–1 pm
Leslie Needham | NYBG | 173LAN403D

4 Tuesdays & 4 Thursdays, 6/6–6/29, 6–9 pm
Nathaniel Harris | NYBG | 174LAN403A

8 Thursdays, 9/14–11/9 (no class 9/21), 10 am–1 pm
Nathaniel Harris | NYBG | 181LAN403B

\$575/\$635 *Certificate Requirement*

Illustration: Cherries, (*Prunus avium*), ©Rose Marie James, NYBG Instructor

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 800.322.NYBG (6924)

DRAINAGE

Explore the importance of managing storm water runoff utilizing low-impact design techniques. Through lectures, demonstrations, in-class projects, and assignments, learn to identify potential effects of runoff and how to develop a drainage plan to meet the needs of each site. Also, learn to recognize and solve problems of subsurface drainage. Please bring lunch on Saturday. 📖 Prerequisite: *Grading*

2 Wednesdays, 6/7 & 6/14, 6:15–9:15 pm, and Saturday, 6/10, 10 am–4:30 pm
Jane L. Didona, ASLA, RLA | NYBG | 174LAN425

\$295/\$325 *Certificate Requirement*

LANDSCAPE DESIGN IV: DESIGN AND CONSTRUCTION

Draw upon all of the skills you've developed in the Landscape Design program to create a residential project from start to finish, combining design with construction principles. Emphasis is on construction drawings, documents, and specifications, as well as estimating. 📖 Prerequisites: *Landscape Design III*, *Grading*, and *Site Materials and Details*

11 Mondays, 4/3–6/26 (no class 4/10 & 5/29), 6–9 pm
Stephen Koren, RLA | Manhattan | 174LAN520A

11 Wednesdays, 4/12–6/21, 6–9 pm
Liz Pulver | NYBG | 174LAN520B

\$829/\$909 *Certificate Requirement*

PROFESSIONAL PRACTICE FOR LANDSCAPE DESIGNERS

Before you launch your own landscape design and installation practice, there are many business aspects you need to consider. Topics include attracting clients, preparing proposals, pricing, purchasing and installing plants, and strategies for success. 📖 Prerequisite: *Landscape Design III*

4 Wednesdays, 5/24–6/14, 10 am–1 pm
Gustavo Capparelli | NYBG | 174LAN485

\$295/\$325 *Certificate Requirement*

PORTFOLIO AND PRESENTATION SKILLS

Create visually compelling portfolios to present to potential clients. Learn how to develop professional documentation for a variety of audiences through in-class design charettes and individualized projects. Both print and electronic media presentations will be discussed. 📖 Prerequisite: *Landscape Design III*

5 Thursdays, 3/16–4/13, 6–9:15 pm
Lisa DuRussel, ASLA, RLA | NYBG | 173LAN555

\$379/\$415 *Certificate Requirement*



PHOTOGRAPHY

The Garden offers a world of natural inspiration for you to observe and interpret with the help of award-winning photographers.



Plein-air ©Frank Guida, *Morning in the Garden* (detail), Graphite | Home Gardening Center, NYBG

FLASH PHOTOGRAPHY: THE ORCHID SHOW

Get an exclusive opportunity to photograph *The Orchid Show: Thailand*, using your DSLR 100–300mm telephoto lens, and dedicated speedlights. Master techniques to achieve the best lighting and exposure for these vibrant flowers without the use of tripods or monopods. Afterward, return to the classroom for a review and critique of your images. Please bring lunch.

Saturday, 3/25, 9 am–3 pm
Jeffrey Falk | NYBG | 173GWP937

\$109/\$119

CLOSE-UP & MACRO PHOTOGRAPHY WORKSHOP

Learn to create intimate and detailed portraits of flowers using various lenses, proper depth of field, filters, and the best framing techniques. Equipment, including zoom telephotos, close-up diopter filters, extension tubes, teleconverters, and dedicated macro lenses will be demonstrated in the classroom, followed by practice using your own equipment. Images will be projected on screen for discussion and review. Please bring lunch.

Saturday, 4/22, 10 am–4 pm
Jeffrey Falk | NYBG | 174GWP928

\$109/\$119

FUNDAMENTALS OF DIGITAL PHOTOGRAPHY

This three-session course provides a solid foundation for the beginning digital photographer upgrading from a point & shoot camera, or anyone new to digital SLR photography. We'll cover the basics of digital photography, the art of seeing as a photographer sees, and how to manage available light regardless of weather or time of day. Each class includes an introductory lecture and demonstration, a field session in the Garden to practice techniques with your own camera, and a review of your work at the end of the day. Dress for the weather, and bring your digital camera, monopod or tripod, and lunch.

3 Saturdays, 4/29–5/13, 10 am–2:30 pm
Wayne Cahilly & Meghan Cahilly | NYBG | 174GWP202

\$249/\$275

BOTANICAL PHOTOGRAPHY: BEYOND THE FUNDAMENTALS

This course builds on skills developed in *Fundamentals of Digital Photography*. Experiment with multiple ways to take the best portraits of botanical subjects small and large, including flowers and trees. Practice different ways to position yourself to ensure you are getting the most visually compelling shot. Father-daughter duo Wayne and Meghan Cahilly will also show you the top tips and tricks how to capture the essence of a landscape. Please bring lunch.

 Prerequisite: *Fundamentals of Digital Photography*

3 Saturdays, 6/10–6/24, 10 am–2:30 pm
Wayne Cahilly & Meghan Cahilly | NYBG | 174GWP203

\$249/\$275

GOODBYE DIGITAL CAMERA...HELLO iPHONE!

Learn practical techniques and tips for using the iPhone camera. Discover the best apps for taking photos, using special effects, editing, post-processing, and more. The best way to organize and share your photos and videos via email, e-cards, and social media will be demonstrated. Bring your charged iPhone.

Tuesday, 5/16, 10 am–1 pm
Donald Gambino | NYBG | 174GWP151A

Tuesday, 5/16, 2–5 pm
Donald Gambino | NYBG | 174GWP151B

\$59/\$65

NEW! ADVANCED iPHONE PHOTOGRAPHY

Make artistic images with your iPhone, the world's most-used camera! Learn to “see as a professional” and make proper use of your focus, flash, self-timer and zoom capabilities. See how preparation, lighting, and environmental conditions can help create unique images. Fun, weekly homework assignments and in-class critiques will challenge you to play with perspective, framing, cropping, color, size, emotion, mood and more. Familiarity with iPhone basics is required.

4 Tuesdays, 6/6–6/27, 10 am–1 pm
Donald Gambino | NYBG | 174GWP161

\$195/\$215

NEW! BOTANICAL BLUES: CYANOTYPE

Harness sunlight to create dreamlike botanical images in rich blues. William Waitzman, whose artwork has been published in *The New Yorker* and *The New York Times*, will guide you through the hands-on process of making cyanotype photograms, one of the oldest forms of photography and one that doesn't use a camera. Learn the best ways to prep your paper with light-sensitive chemicals, compose your image using pressed plants, and develop your print in the sunshine. Walk away with 4–6 unique pieces of art to hang in your home or a set of cards. Please bring lunch.

Saturday, 6/24 (Rain Date: 7/8), 10:30 am–3 pm
William Waitzman | NYBG | 174CRF128

\$139/\$155



Cyanotype, ©William Waitzman



Capturing Light: Two Special Workshops

Douglas Dubler finds beauty everywhere—from dewdrops and ballerinas, to manhole covers and supermodels. A world-renowned fashion photographer who counts Ansel Adams and Isamu Noguchi among his early personal mentors, he has taken pictures that have graced the covers of more than 750 high-end fashion magazines.

One of the industry's leading experts in color management, Douglas has developed a precise, high-quality approach to digital photography that draws upon his deep understanding of light and exposure, color and composition.



NEW! BOKEH: USING A BLUR TO GOOD EFFECT

Capture the ephemeral quality of spring with the bokeh effect, a soft out-of-focus background achieved by shooting a subject with a fast lens at the widest aperture. After viewing a variety of botanical images that use bokeh, you will practice this new skill on the Garden grounds. Bring your tripod and DSLR with a f2.8 lens or faster.

Saturday, 5/6 (Rain Date: 5/13), 3–6 pm | Douglas Dubler | NYBG | 174GWP250 | \$95/\$105

NEW! LEARNING TO SEE: BASIC COMPOSITION

After decades as a sought-after fashion photographer, Douglas knows what makes a compelling image. Using examples from his own photos and those of the masters, he demonstrates how to create powerful images with light, shape, and form—and without fancy equipment. Walk away from this session with a clear focus on how to frame the world around you.

Saturday, 5/20, 1–4 pm | Douglas Dubler | NYBG | 174GWP210 | \$59/\$65

Photos ©Douglas Dubler

WELLNESS

Exercise or meditate within the Garden or find new ways to bring healthful plants into your everyday life.



Plein-air ©Elissa Gore, *Stone Bridge*, Watercolor | Stone Mill Bridge, NYBG

TAI CHI FOR PEACE OF MIND AND BODY

This ancient, meditative Chinese exercise teaches relaxation, balance, and self-defense with an emphasis on correct body posture and spinal alignment. Students become relaxed, physically stronger, and ultimately healthier in both mind and body.

7 Saturdays, 4/8–5/20, 10–11 am
Robert Torres | NYBG | 174WEL102A

7 Saturdays, 6/3–7/22 (no class 7/1), 10–11 am
Robert Torres | NYBG | 174WEL102B

\$119/\$129

INTRO TO MEDITATION

“I can’t meditate; my brain is too busy.” That’s what many people think. But with practice, you can learn to train your mind to be calm. In our hectic lives filled with competing obligations and incessant social media updates, carving out time to slow down and focus on the breath is essential. Research suggests that meditation can help alleviate anxiety, improve sleep, increase concentration, and strengthen your immune system. Practice basic techniques through brief, guided meditations that will help you learn to quiet your mind, and tap into the richness of being awake.

Saturday, 4/1, 10:30 am–12:30 pm
Lisa Wang | Manhattan | 174WEL104

\$35/\$39

NEW! WALKING MEDITATION

Meditation cultivates a deep sense of awareness. The calm and quiet of the Garden make it the perfect place to practice this. Walking meditation invites you to be mindful of how you move in an activity you do automatically every day. Explore basic sitting and walking meditation techniques that will help you be present in each moment, fully connected to your body, breath, and surroundings. Please dress for the weather.

Sunday, 5/21 (Rain Date: 6/11), 10:30 am–12:30 pm
Lisa Wang | NYBG | 174WEL124

\$35/\$39

NEW! HERBAL SPA BOTANICALS

Pamper yourself! In this hands-on session, learn to create body scrubs, facial steams, and moisturizers for a home spa experience. Master herbalist Elizabeth Scholl introduces you to flowers and plants from your garden and ingredients from your pantry that are beneficial for your skin. Come away with products you’ve customized for your own skin type, along with the recipes and know-how to make them again!

Saturday, 4/1, 2:30–5 pm
Elizabeth Scholl | NYBG | 174WEL135

\$95/\$105

Wellness classes are presented for informational purposes only and are not intended for self-medication.



Herbal Saturday

May 20, Midtown Education Center, Manhattan

Herbs have been helping us stay healthy for thousands of years. Spend a day with herbal experts and learn how plants can be used for medicine, aroma, and refreshment.

INTRO TO HERBAL MEDICINE

10:30 am–12 pm

Are you interested in bringing the natural benefits of herbs and herbal remedies into your life? Discover the differences between herbal medicine and homeopathy, the three major branches of herbalism, and the fascinating history of herbal medicine. Learn how to choose and store herbs, how to properly take herbal medicines, and how to make and use several common herbal remedies.

Karine Gordineer | 174WEL130A | \$59/\$65

GROWING A HERBAL GARDEN

12:45–2:15 pm

No more shopping at the market for basil and thyme! Learn how to create your own aromatic mini-garden with fresh herbs that you can enjoy year-round. Whether you’re growing indoors or outdoors, learn which herbs are easiest to maintain, most beneficial in use, and most popular in the gardening world.

Nick Storrs | 174WEL130B | \$39/\$45

HERBAL INFUSIONS AND DECOCTIONS

2:30–4:30 pm

Imbibing herbal drinks like Red Clover Infusion or Astragalus Decoction is one of the easiest and tastiest ways to reap the health benefits from herbs. Learn how to make simple teas, decoctions, and nourishing herbal infusions for general wellness and relief of specific health concerns in this hands-on workshop. Discover top tips regarding which drinks are best suited for which health goals. Take the recipes home and share with your family and friends!

Xenia D’Ambrosi | 174WEL130C | \$39/\$45

All Three Sections: 174WEL130D | \$115/\$125

ESSENTIAL OIL PERFUME WORKSHOP

Perfume can be traced back thousands of years to an Ancient Egyptian tradition, beloved by Cleopatra. Discover the history of perfume and the therapeutic benefits of essential oils in this hands-on workshop. Learn scent-blending techniques and how to identify and keep perfume notes. Formulate three unique signature scents using wax, carrier oils, and essential oils, and take home one solid perfume, a 2 oz. aromatherapy spray, and a roll-on perfume.

Saturday, 4/29, 10 am–1 pm
Karine Gordineer | Manhattan | 174WEL134

\$95/\$105

CANDLEMAKING WITH ESSENTIAL OILS

Freshen your home while experiencing the soothing benefits of essential oils. Create custom-scented aromatherapy soy candles using essential oils to invigorate, calm, or heal. Learn the differences between petroleum-based paraffin candles and synthetic essential oil candles commonly sold in stores. Take home two 4 oz. container candles and two 3 oz. votive candles.

Sunday, 5/7, 10 am–12:30 pm
Karine Gordineer | NYBG | 174WEL138

\$95/\$105

SOAPMAKING WORKSHOP

Bring the beauty and bouquet of the summer garden into your home this spring with handmade, naturally moisturizing glycerin soaps. You’ll learn the traditional melt and pour process and combine fragrances of various dried herbs and essential oils—lavender, rosemary, mint, and more—to make four bars to take home.

Saturday, 8/6, 10 am–1 pm
Elizabeth Scholl | NYBG | 181WEL143

\$95/\$105



Illustration Top Center: Burdock (*Acrctium minus*) from the book *Foraging & Feasting*, ©Wendy Hollender, NYBG Instructor
Illustration Bottom Right: Turf, ©Ingrid Finnan, NYBG Instructor

ACADEMIC POLICIES & PROCEDURES

GENERAL COURSE INFORMATION

COURSE LEVELS

- 100–299 Short, non-credit courses
- 300–399 Basic (may have prerequisites)
- 400–499 Intermediate (may have prerequisites)
- 500–599 Advanced (may have prerequisites)
- 600–699 Classes with a Master
- 700–799 Symposia
- 800–899 Lectures
- 900–949 One-day, hands-on workshops
- 950–999 Intensive Programs

COURSES WITH PREREQUISITES

In order to register for courses with prerequisites, students must have received a passing grade in the prerequisite course(s).

WORK-STUDY OPPORTUNITIES

For information about work-study opportunities with Adult Education, please call 718.817.8741.

SCHOOL POLICIES FOR CERTIFICATE PROGRAMS

The Director and Program Coordinators formulate policy regarding standards of student performance, including awarding Certificates, rules of conduct, and student appeals. Please contact the Director with any questions or concerns at 718.817.8595.

Satisfactory Academic Progress Policy:

Student progress is measured by grades for Certificate courses, while Non-Certificate courses are not graded.

Grade	GPA	Percentile
A	4.0	94-100
A-	3.7	90-93
B+	3.3	87-89
B	3.0	83-86
B-	2.7	80-82
C+	2.3	77-79
C	2.0	73-76
C-	1.7	70-72
D+	1.3	67-69
D	1.0	60-66
F	0	0-59
NC	0	NO CREDIT

All coursework (final exams, papers, projects) must be completed on time unless the instructor grants additional time for extenuating circumstances.

Grades are available via your online student account. Call 718.817.8747 for help creating an online account, to receive grades over the phone, or request a transcript.

All incomplete grades will be converted to an F within 4 weeks if work is not completed by then. A student must repeat a course and earn a passing grade in order to receive a Certificate; additional course materials will be charged at cost.

Previous Education Credit

A student may qualify for course exemption through:

- College courses taken for degree credit from an accredited college or university
- Evaluated non-collegiate sponsored instruction
- Proficiency exams

To be exempt from a required course, you must complete the Course Exemption Request Form, present transcripts showing an earned grade of C or higher, and present the course outline and/or relevant supporting documentation. The School will evaluate these submissions and make a decision. If exempted from the course, you must take an equal number of hours of approved elective course(s).

Attendance

On-time attendance is required at all classes. Unexcused tardiness and absences are not accepted, unless due to an emergency, including serious illness or death within a student’s family. Such absences should be reported to the Manager of Student Services at 718.817.8610 who will evaluate them on a case-by-case basis. Students must request makeup tests, which will be scheduled at the instructor’s discretion. Deficiency in any required work resulting from absence from class must be made up at the student’s own expense to satisfy the instructor.

Student Work

Students have 8 weeks following the last day of class to pick up any work left by instructors at the Registration Office. After that time, unclaimed assignments will be discarded.

Certificate Requirements

Certificate requirements are those stated in the catalog from which the student first registered for a Certificate course.

To qualify for a Certificate, students must receive passing grades in all required courses.

Students have 6 years from the start of their first required course to complete a Certificate.

Certificate Graduation Ceremony

The 2017 ceremony will be held on Sunday, June 4. If you expect to complete your Certificate requirements or enroll in all remaining classes by May 26, you must inform the Manager of Student Services in writing at clopez@nybg.org by February 24. You will be informed if you are eligible for a Certificate by April 21. Call the Registration Office at 718.817.8747 with any questions.

Transcripts

Official (\$4 each) and unofficial transcripts (free) are available from the Registration Office. Request an official transcript in writing, including the name and address of the institution to which the transcript should be mailed. Transcripts will be mailed within 2 weeks, with a copy sent to the student.

Privacy

The School of Horticulture and Landscape Design complies with the Federal Education Rights and Privacy Act of 1974. The following categories of information concerning individual students and former students may be made available to the general public: name, attendance dates, telephone listing, date and place of birth, field of study, and previous education institutions attended by the student. Students may request that any of the above information not be released without their prior consent.

STATE LICENSING AND ACCREDITATION

The School of Horticulture and Landscape Design—which includes three programs: Horticulture, Horticultural Therapy, and Landscape Design—is nearing completion of the licensing process with the New York State Bureau of Proprietary School Supervision (BPSS), a division of the New York State Department of Education. Licensure under the state recognizes the Certificate Programs in Horticulture, Horticultural Therapy, and Landscape Design as high quality and career oriented.

Students of Licensed Private Schools in the State of New York have the right to file a complaint with the New York State Education Department if they believe that the School or anyone representing the School has acted unlawfully. Students may make complaints about the conduct of the school, advertising, standards and methods of instruction, equipment, facilities, qualifications of teaching and management personnel, enrollment agreement, methods of collecting tuition, School license or registration, School and student records, private School agents, and other charges.

To file a complaint, students should write to the New York State Education Department’s Bureau of Proprietary School Supervision at 116 West 32nd Street, 5th Floor, New York, NY 10001, or call the Department at 212.643.4760, requesting an interview for the purpose of filing a written complaint. All relevant documents must be brought to the interview. If you cannot attend an interview, send a letter or call the Bureau to request a complaint form. You must complete and sign the form and mail it to the Bureau, including copies of all relevant documents. The Bureau cannot investigate any complaint made more than 2 years after the date of alleged occurrence.

CONTINUING EDUCATION UNITS, PROFESSIONAL SOCIETIES, AND ACADEMIC PROGRAMS

CONTINUING EDUCATION UNITS (CEUs)

AIA, APLD, and ASLA Members: Don’t miss out! Get CEUs for many of our lectures. Events offering CEUs are noted in the catalog or on the individual event listing pages at nybg.org/adulted with your organization’s logo.



TRI-STATE BOTANICAL ARTISTS (TSBA)

TSBA provides a welcoming environment for botanical artists in the tri-state area to connect with peers. Join alumni and students at NYBG for monthly sharing of information, group critiques, open studio and general camaraderie, with opportunities for group shows and off site excursions. For more information contact Susan Sapanara ssapanara@gmail.com or Jeanne Reiner jeanne.reiner@gmail.com

FLORAL DESIGN STUDENTS & ALUMNI GROUP (FDSA)

FDSA meetings are an opportunity for current students and alumni to connect with peers in a professional setting. Meetings are held in the evenings at the Midtown Education Center, and feature floral demonstrations by leading designers, followed by a lively exchange of ideas on issues relevant to the industry. For information contact Trish O’Sullivan at fdncoordinator@nybg.org

LANDSCAPE DESIGN STUDENTS AND ALUMNI ASSOCIATION (LDSA)

LDSA encourages a dynamic exchange of information among students, faculty, and alumni. It provides networking opportunities, as well as an indispensable Q&A service via a Yahoo Group available to all members. Monthly meetings feature guest speakers and informal design critiques, and are focused on topics that extend beyond the classroom into the professional arena. All students and alumni in Landscape Design, Horticulture, and Gardening are invited to attend. Call Elaine Yellen at 914.723.4090 for details or drop by one of the scheduled meetings.

AMERICAN HORTICULTURAL THERAPY ASSOCIATION (AHTA)

The AHTA promotes the development of horticultural therapy programming throughout the United States. Their mission is to help the profession gain visibility. The AHTA also administers a voluntary professional registration program that lists accredited horticultural therapists. For more information visit ahta.org

AMERICAN INSTITUTE OF FLORAL DESIGNERS (AIFD)

AIFD is a non-profit organization dedicated to establishing, maintaining, and recognizing the highest standard of professional floral design. AIFD and its worldwide accredited members present educational programs and design flowers for such renowned events as the Tournament of Roses Parade, the Academy Awards, and presidential inaugurations. NYBG is an AIFD Education Partner. For more information visit aifd.org

AMERICAN SOCIETY OF BOTANICAL ARTISTS (ASBA)

ASBA is a non-profit organization of more than 1,300 members throughout the US and in 20 other countries. Dedicated to promoting awareness of contemporary botanical art, ASBA provides educational opportunities through its annual conference and quarterly journal, *The Botanical Artist*. ASBA maintains their headquarters at NYBG on the third floor of the Watson Education Building. ASBA brings the best of contemporary botanical art to the public by curating the NYBG Triennial and other exhibitions. For membership and more information visit asba-art.org

ASSOCIATION OF PROFESSIONAL LANDSCAPE DESIGNERS (APLD)

The APLD advances landscape design as a career and promotes the recognition of landscape designers as qualified professionals. It has established a set of rigorous standards that must be met to become certified. Student memberships are available for those actively enrolled in a landscape design or horticulture program. For more information visit apld.org

DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC)

The New York State Department of Environmental Conservation (DEC) requires commercial pesticide applicators to take a 30-hour course such as Preparation for Pesticide Applicator Certification Examination (HRT 357) offered at the Garden, and pass a State-administered exam. Applicators must periodically apply for recertification and must complete a number of courses that the DEC and the New Jersey State Department of Environmental Protection (DEP) have approved for recertification credit.

THE GUILD OF NATURAL SCIENCE ILLUSTRATORS (GNSI)

The Guild is an international organization whose members strive to maintain and further the field, assist others in entering it, and encourage high standards of competence. The New York Chapter meets bimonthly, usually at NYBG. For more information visit gnsi.org

INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA)

ISA is a worldwide network of professional arborists who foster a greater awareness of the benefits of trees, and promote the professional practice of arboriculture. For more information visit isa-arbor.com

NORTHEAST ORGANIC FARMING ASSOCIATION (NOFA)

NOFA offers CEUs to Accredited Organic Land Care Professionals (AOLCPs) who have made a commitment to practice in accordance with NOFA Organic Land Care Standards, to pursue ongoing education in methodology, and to create ecologically sound landscapes and living environments for their clients. For a complete list of NYBG courses that qualify visit nofa.org



SCHOOL OF PROFESSIONAL HORTICULTURE

The New York Botanical Garden's School of Professional Horticulture offers a comprehensive, full-time, two-year program combining the challenge of hands-on training with academic study to educate you to become a skilled and knowledgeable professional horticulturist. Our graduates enjoy a nearly 100% job placement rate. Alumni have successful careers in public and private sectors, including estate management, landscape design/build firms, and public parks and gardens.

As a student in the School of Professional Horticulture you:

- Develop a strong foundation in horticultural and botanical sciences, including native plants, green roofs, urban agriculture, sustainability, greenhouse management, and ecological garden design.
- Get hands-on training with NYBG's expert horticulturists and botanists.
- Visit nurseries, public and private gardens, ecological sites such as the New Jersey Pine Barrens, and celebrity estates.
- Attend lectures and meetings with horticulture and landscape experts from around the world.

The School is nationally accredited by ACCET and licensed by the New York State Education Department. Federal financial aid is available to qualified students.

Applications are due August 1 for the program beginning the following January. For a catalog, visit nybg.org/edu/soph or call 718.817.8797.

THE NEW YORK BOTANICAL GARDEN & BRONX COMMUNITY COLLEGE ASSOCIATE DEGREE PROGRAM

NYBG and Bronx Community College of The City University of New York offer an Associate Degree program. The first year of the program is offered at BCC where students take academic courses. The second year is spent at NYBG, where students take academic courses and work in horticulture. For more information, contact NYBG at 718.817.8747, or Rebeca Araya, rebeca.araya@bcc.cuny.edu, 718.289.5538.

MIDTOWN EDUCATION CENTER

20 West 44th Street



DATE	TIME	COURSE TITLE	PAGE
BOTANICAL ART & ILLUSTRATION			
Mar. 8	6 pm	Botanical Drawing II: Developing Your Skills	7
Mar. 13	10 am	Botanical Watercolor for Beginners and Beyond	6
Mar. 27	6 pm	Botanical Drawing I: Methods and Materials	7
Apr. 8	10 am	Plant Morphology for Botanical Illustrators	8
Apr. 20	10:30 am	Botanical Watercolor	8
May 8	10 am	Botanical Watercolor for Beginners and Beyond	6
May 10	6 pm	Botanical Drawing III: Focus on Flowers	7
May 16	6 pm	Botanical Drawing for Beginners	6
Jul. 31	10 am	Botanical Drawing I: Methods and Materials	7

BOTANY			
May 9	6 pm	Medical Botany	12
May 10	10 am	Birds of New York: Basic Ornithology	12
May 10	10 am	Spring Mushrooms	13

CRAFTS			
May 4	6:30 pm	Girls Night Out: Spring Wildflowers	15
Jun. 20	6:30 pm	Girls Night Out: Spring Wildflowers	15
Jun. 22	6 pm	Botanical Jewelry: Botanicals in Resin	15

FLORAL DESIGN			
Mar. 11	10:30 am	Wedding Design II: Ceremony & Reception	20
Apr. 3	10:30 am	Wedding Design I: Personals	20
Apr. 15	10 am	Fundamentals of Form	20
Apr. 18	6 pm	Couture Bridal Bouquet	18
Apr. 26	6 pm	Flower Arranging with Store-Bought Bouquets	19
May 9	6:15 pm	Flower ID from A to Z	21
May 10	6:15 pm	Color Theory for Floral Design	21
May 20	10 am	Peony Workshop	19
Jun. 3	10 am	Fundamentals of Style	20
Jun. 5	6:15 pm	Practical Planning for Designers	21
Jun. 7	6 pm	Flower Arranging with Store-Bought Bouquets	19
Jun. 7	6:16 pm	Grand Scale Arrangements	21
Jun. 15	6 pm	Easy and Elegant Floral Design Ideas	19
Jul. 17	10 am	Fundamentals of Form	20
Jul. 24	10:30 am	Fundamentals of Style	20
Jul. 31	10:30 am	Wedding Design I: Personals	20

GARDENING			
Mar. 13	6:15 pm	Botanical Latin I	25
Mar. 14	6 pm	Super Small Space Veggie Gardening	26
Mar. 18	10 am	Vines and Climbers	24
Apr. 4	6:15 pm	Fundamentals of Gardening	27
May 6	10 am	All About Containers Saturday	29
May 8	10 am	Container Gardening	24
Jun. 3	10 am	Fundamentals of Gardening	27
Jun. 17	10 am	Terrace Gardening Saturday	29
Jul. 18	6:15 pm	Fundamentals of Gardening	27

DATE	TIME	COURSE TITLE	PAGE
HORTICULTURE			
Jun. 26	6:15 pm	Introduction to Plant Science	33
Jul. 24	6:15 pm	Introduction to Plant Science	33
Sep. 9	10 am	Introduction to Plant Science	33

HORTICULTURAL THERAPY			
Mar. 8	6 pm	Garden Design for Special Populations	39

LANDSCAPE DESIGN			
Mar. 22	6:15 pm	Landscape Design History	44
Mar. 27	6:15 pm	Graphics III	44
Apr. 3	6 pm	Landscape Design IV: Design and Construction	45
Apr. 18	6 pm	Intro to Green Walls	43
Apr. 27	6:15 pm	Landscape Design I: Site Analysis and Schematic Design	44
Jul. 10	6 pm	Graphics I	44
Jul. 20	6:15 pm	Intro to Landscape Design	42
Aug. 7	6 pm	Graphics II	44
Sep. 12	6:15 pm	Intro to Landscape Design	42

WELLNESS			
Apr. 1	10:30 am	Intro to Meditation	49
Apr. 29	10 am	Essential Oil Perfume Workshop	49
May 20	2:30 pm	Herbal Saturday	49

BARD COLLEGE

30 Campus Road, Annandale-on-Hudson, New York			
Apr. 8	10 am	Spring Ephemeral Papercutting	14
Apr. 15	1 pm	Pollinator Papercuttings	14
Apr. 22	10 am	Gardening with Native Plants	28
May 6	10 am	Container Gardening	24

NEW CANAAN NATURE CENTER

144 Oenoke Ridge (Rt. 124), New Canaan, Conn.			
Mar. 18	10:30 am	Designing Winning Plant Combinations	24
Mar. 30	9 am	Landscaping with Perennials	25
Apr. 8	10:30 am	Residential Garden Design Primer	—
Apr. 18	10 am	Fundamentals of Gardening	27
Apr. 22	10 am	Container Gardening	24
May 20	10 am	Growing a Tasteful Herb Garden	—
May 22	10 am	Whip Your Garden into Shape	26
May 9	10 am	Plants for Landscaping	34

REGISTRATION

Registration | *The quickest way to register for a class is to visit nybg.org/adulted*

Classes are filled in the order that payments are received. Many classes fill quickly, so please sign up early to avoid disappointment!

Confirmations

Registration confirmations will be sent same day via email.

GENERAL INFORMATION

Entrance to the Garden on Class Days

You must bring your printed confirmation letter for admission to the Garden, and present it at the Mosholu Gate to gain entrance and free parking.

Storm Closings | *Class cancellations due to inclement weather will be rescheduled.*

For closings due to weather, check our website or call 718.817.8747 at the times noted below for a recorded message on the status of your class:

- 7:30 am for classes beginning at 9–11:45 am
- 10:30 am for classes beginning at 12–3 pm
- 1 pm for classes beginning at 3:15–8 pm

Refunds and Withdrawals | *No discounts will be granted for missed classes. There are no refunds or credits 24 hours before a course begins.*

A refund will be issued if your class is cancelled due to low enrollment. If you wish to withdraw from a course before it begins, you must notify the Registration Office TEN FULL BUSINESS DAYS BEFORE THE FIRST CLASS MEETING. We will issue a refund minus a \$10 processing fee.

If you must withdraw fewer than ten days before the first class meeting:

No refunds will be granted for course levels 0–299 and 700–999

A 75% refund minus a \$10 processing fee will be granted for course levels 300–699
Please note: Floral Design materials fees will not be refunded fewer than 5 business days before class begins.

Holidays | *NYBG observes the following 10 holidays:*

New Year’s Day; Martin Luther King, Jr. Day; Presidents’ Day; Memorial Day; Independence Day; Labor Day; Columbus Day; Thanksgiving and the following Friday (Veterans’ Day observance); and Christmas

Accessibility

The New York Botanical Garden is accessible to persons with disabilities. Please ask about special needs accommodations when you register or visit nybg.org for more information.

Garden Membership

Become a Member today and receive year-round admission, access to Garden programs, discounts at NYBG Shop and on Adult Education classes, and exclusive invitations to special Member Days, Trips, Tours, and Programs. For more information, call 718.817.8703 or visit nybg.org/membership

Library

The LuEsther T. Mertz Library keeps Adult Education required reading on reserve, has study space with WiFi available, and offers help with class assignments. Visit nybg.org/library or contact libref@nybg.org for more information.

Gift Certificates

Need the perfect gift for that plant-loving someone? Purchase a gift certificate at nybg.org/adulted for a NYBG class and give the gift of learning.

REGISTRATION IS EASY!

Web

Register online at nybg.org/adulted

Phone

718.817.8747 Registration Office
M–F 9 am–5 pm

In Person

Drop by the Registration Office in the Watson Education Building, Room 306, or at the Midtown Education Center.

The Garden | *Quick and easy to reach*
Bronx River Parkway (Exit 7W)

 Metro North Railroad to Botanical Garden Station



Midtown Education Center | Two blocks from Grand Central Terminal

20 West 44th Street, between 5th and 6th Avenues; 212.302.2054



New York Botanical Garden
Bronx, New York 10458-5126
Address Service Requested



Keep Growing at NYBG

Change your career. Beautify your green space. Exercise your creativity. Renew your spirit. The New York Botanical Garden has hundreds of classes to educate, inspire, and guide you.

Take a single-session workshop or dig deeper with one of our many Certificate programs.

Courses meet in our 250 magnificent acres in the Bronx and at our Midtown Education Center at 20 West 44th Street, just 2 blocks from Grand Central Terminal.

Plein-air ©Jeanette Gurney, *Gate House*, Watercolor | Peggy Rockefeller Rose Garden, NYBG



The New York Botanical Garden is located on property owned in full by the City of New York, and its operation is made possible in part by public funds provided through the New York City Department of Cultural Affairs.



Printed on
recycled paper