

NYBG

ADULT EDUCATION | SPRING-SUMMER 2019



NEW YORK BOTANICAL GARDEN

Welcome to 2019!

Spring comes alive at the Garden, and Adult Ed is ready to help you blossom—with a full slate of courses in gardening, botany, art, design, and urban nature, along with speakers who will share deep insights into the many ways we can learn from, protect, and live with our world of plants.

Starting in March, you won't want to miss *The Tree Dialogues*, a series of compelling conversations with best-selling authors Richard Powers, Peter Wohlleben, and our own Horticulture instructor Bill Logan. In mid-month, we premiere the breathtaking documentary *Beatrix Farrand's American Landscapes*.

In June we kick off the Garden's major exhibition, *The Living Art of Roberto Burle Marx*, with a symposium exploring the genre-spanning genius of the Brazilian modernist artist, landscape architect, and conservationist. And later that month, acclaimed British garden designer/writer Noel Kingsbury arrives for a special workshop: *The Rabbit's Eye View*.

So browse the catalog... you're sure to find something enriching and fun. Whether your passion is working with a vase, in a garden, at an easel, or on a drawing board, NYBG Adult Ed is here for you! Join us and spread the #plantlove.

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... Think about upgrading your professional profile and actively pursuing a prestigious NYBG Certificate. Develop new skills, contacts, and 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.



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	Lecture Series <i>The Tree Dialogues</i>
3	Documentary Screening, Talk, and Symposium <i>Beatrix Farrand's American Landscapes</i> <i>250th Anniversary of Alexander von Humboldt</i> <i>Roberto Burle Marx—A Total Work of Art</i>
5	Botanical Art & Illustration
11	Botany
15	Urban Naturalist
16	Crafts & DIY
19	Floral Design
24	Food & Drink
27	Gardening
35	Horticulture
41	Horticultural Therapy
45	Landscape Design
50	Photography
52	Wellness
54	Academic Policies & Procedures
55	Professional Societies, CEUs, & Academic Programs
56	Classes at Midtown Education Center & New Canaan Nature Center

inside back cover Registration & General Information

ABOUT THE COVER: The LuEsther T. Mertz Library and artwork throughout the catalog is by artist and Instagram sensation Bridget Beth Collins, who forages natural materials for her charming creations from the sidewalks, meadows, and woods in her Seattle neighborhood. Find out more about her at FloraForager.com or check out her book *The Art of Flora Forager*.



THE *tree* DIALOGUES

With the world’s forests under increasing threat, this series invites award-winning and best-selling authors for compelling conversations on critical environmental issues, eco-activism, indigenous practices, plant intelligence, and more. Join us for fascinating insights into the many ways we can learn from, protect, and live with trees and the natural world.



Illustration: The Invasive Chinese Banyan Tree, *Ficus microcarpa*, ©Mark Isaac-Williams

10:30–11:30 am | Ross Hall, NYBG



The Overstory: A Conversation with Richard Powers

Richard Powers has authored 12 novels, received a MacArthur Fellowship and the National Book Award, and is a Pulitzer Prize and four-time National Book Critics Circle Award finalist. His latest work, *The Overstory*, is a sweeping, passionate novel of activism and resistance that is also a song of praise to the natural world. In a series of interlocking stories ranging from antebellum New York to the late-20th-century Pacific Northwest timber wars, trees bring small lives together into larger acts of war, love, loyalty, and betrayal.

Lecture followed by conversation with **Todd Forrest**, NYBG Arthur Ross Vice President for Horticulture and Living Collections.

Thursday, March 7 | 193HRT811 | \$25/\$29



The Secret Wisdom of Nature: A Conversation with Peter Wohlleben

Peter Wohlleben, a career forester in his native Germany, is best known as author of the international bestsellers *The Hidden Life of Trees* and *The Inner Life of Animals*. *The Secret Wisdom of Nature* completes the trilogy, exploring the vast natural systems that make life on Earth possible. Describing the interplay between animals and plants, highlighting new scientific discoveries, and sharing insights from his decades of observing nature, Wohlleben helps us recapture our sense of awe and see our world with new eyes.

Lecture followed by conversation with **Maria Popova**, founder/editor of *Brain Pickings*, MIT Futures of Entertainment Fellow, and author of the newly-released, *Figuring*.

Wednesday, March 13 | 193HRT908 | \$25/\$29



Sprout Lands: A Conversation with William Bryant Logan

William Bryant Logan is an arborist on the faculty at NYBG and the award-winning author of four books. His most recent, *Sprout Lands: Tending the Endless Gift of Trees*, is a poetic and practical global journey to rediscover and celebrate the lost traditions of tree pruning that sustained human life and culture for millennia, a time when the responsible, reciprocal relationship between humans and trees created the healthiest, most sustainable, most diverse woodlands we have ever known.

Lecture followed by conversation with **Robin Wall Kimmerer**, Ph.D., SUNY Distinguished Teaching Professor, College of Environmental Science and Forestry, and author of *Braiding Sweetgrass*.

Tuesday, May 21 | 194HRT909 | \$25/\$29

Register for all three: 194HRT912 | \$69/\$75

Support provided by Reba and Dave Williams

Humanities Institute Presents

World Premiere Documentary: *Beatrix Farrand’s American Landscapes*

Friday, March 15, 10:30 am–12 pm
Ross Hall, NYBG

Beatrix Farrand was one of the most influential designers of the early 20th century and the only female charter member of the American Society of Landscape Architects. Over a 50-year career, she completed design commissions at the White House, the Abby Aldrich Rockefeller Garden in Maine, NYBG’s Peggy Rockefeller Rose Garden, Dumbarton Oaks, and many more.

Beatrix Farrand’s American Landscapes, a new film from director Stephen Ives and horticulturist Anne Cleves Symmes, explores the innovative ideas of this distinctive American voice in landscape design. Host and narrator Lynden B. Miller, designer of many New York City public landscapes, is our guide to Farrand’s extraordinary legacy, and joins leading garden experts, historians, and scholars who take us through the groundbreaking designer’s many iconic works.

After the screening, Ives and Miller will be joined by Dumbarton Oaks Director of Garden and Landscape Studies John Beardsley in a conversation moderated by Peter Crane, President of the Oak Spring Garden Foundation.

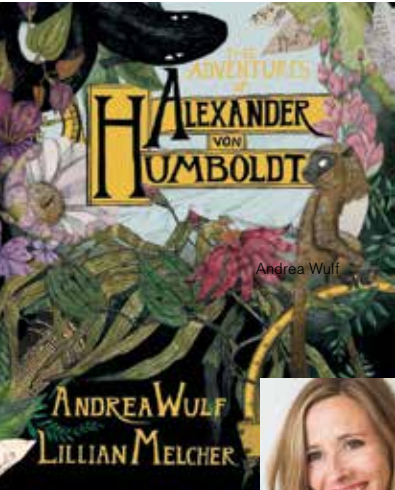
Member \$10/Non-Member \$20 | 193LAN816



Photograph ©Larry Lederman

250th Anniversary of Alexander von Humboldt with Andrea Wulf

Friday, April 19, 10:30 am–12 pm
Ross Hall, NYBG



Andrea Wulf’s 2015 bestseller *The Invention of Nature: Alexander von Humboldt’s New World*, was a *New York Times* 2015 Top Ten Book and won literary honors around the world. To mark the 250th anniversary of the revolutionary naturalist-explorer-author’s birth, Wulf returns to the Garden, to introduce *The Adventures of Alexander von Humboldt*—a brilliantly evocative graphic novel developed in collaboration with **Lillian Melcher**.

Focusing on Humboldt’s five-year expedition in South America, Wulf and Melcher incorporate pages of his own diaries, sketches, drawings, and maps to create an intimate portrait of the radical ecologist who predicted human-induced climate change, fashioned poetic narrative out of scientific observation, and influenced iconic figures such as Bolívar, Jefferson, Darwin, and Muir. Don’t miss this captivating talk with Wulf and Melcher that kicks off Earth Day Weekend at NYBG!

Member \$10/Non-Member \$20 | 194HRT910

Supported by The Andrew W. Mellon Foundation

Exhibition Symposium: Roberto Burle Marx— A Total Work of Art

Friday, June 7, 10:30 am–12:30 pm
Ross Hall, NYBG

To mark the opening of the Garden’s major exhibition, *The Living Art of Roberto Burle Marx*, this symposium explores the breadth and genre-spanning creativity of the Brazilian modernist master, celebrating his work as an innovative artist, landscape architect, and conservationist.

MODERATOR:
Edward J. Sullivan, Ph.D., Exhibition Curator; Professor of the History of Art and Deputy Director, Institute of Fine Arts, New York University

SPEAKERS:
Raymond Jungles, FASLA, Founder and Principal of Raymond Jungles, Inc.

Catherine Seavitt Nordenson, ASLA, AIA, Associate Professor of Landscape Architecture at CUNY’s City College; Principal, Catherine Seavitt Studio

Isabela Ono, Executive Director, Burle Marx Institute, Rio de Janeiro, Brazil

Member \$10/Non-Member \$20 | 194HRT911



Rendering of proposed Modernist Garden for the Enid A. Haupt Conservatory Lawn by Raymond Jungles, Inc.

BOTANICAL ART & ILLUSTRATION



Contemporary botanical art captures the beauty of the natural world with precision, and our extraordinary instructors share their expertise in this nurturing yet rigorous program. NYBG offered North America's first formal botanical art certificate program, and remains a leader in the discipline after more than three decades. Whether you are looking for personal enrichment or a professional credential, the NYBG Certificate is a prestigious indicator of mastery and accomplishment.

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.



SUMMER INTENSIVE CLASSES | July 8–August 9

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.

Botanical Drawing I: Methods and Materials

Mondays, Wednesdays, & Fridays, 7/8–7/19, 10 am–1 pm | NYBG | 201BIL301A
Tuesdays, Wednesdays, & Thursdays, 7/9–7/18, 10 am–1 pm | Manhattan | 201BIL301B

Botanical Drawing II: Developing Your Skills

Mondays, Wednesdays, & Fridays, 7/29–8/9, 10 am–1 pm | NYBG | 201BIL302B

Pen and Ink

Monday, Wednesday, & Friday, 7/8, 7/10, & 7/12, 10 am–4:30 pm | NYBG | 201BIL400

Colored Pencil

Tuesdays, Wednesday, & Thursdays, 7/16–7/25, (no class 7/17), 10 am–2 pm | NYBG | 201BIL415A



“The NYBG Botanical Art & Illustration Program was highly intense and thoroughly rewarding. Although I have my Master’s in Art, I learned so much more about color theory, composition, and drawing from the helpful and knowledgeable instructors. Since graduating from the program, I have exhibited nationally—one of my paintings received the Roth Award for Distinction at Filoli Gardens in San Francisco—and taught watercolor classes at local libraries and Adult Ed programs.”

—LIZ FUSCO, 2017 Graduate

Robin A. Jess, Program Coordinator
Laura Vogel, Program Advisor

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

The Tri-State Botanical Artists of NYBG

TSBA is a lively group of over 40 artists who meet to engage in critiques, monthly art challenges, a sketchbook exchange, and topical discussions. We invite all current Certificate students and alumni to join us! TSBA is recognized as an ASBA Circle. Meetings are free and held once a month at NYBG. See p. 55 for more information. **Join us on March 26, at 12:30 pm to hear “Me and Mosses,” a talk by Dick Rauh.**

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.

FINAL PROJECT FOR CERTIFICATION:

If you plan to graduate in June 2019, the final project due date is April 25, 2019. In order to be considered for graduation, you must submit a project proposal for approval to Robin Jess, the Program Coordinator. You must also show your work-in-progress to Robin at least once. Guidelines can be obtained from the Registration Office.
















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 (in Recommended Order)	CODE	HOURS	PAGE
Botanical Drawing I: Methods and Materials	BIL 301	18	7
Botanical Drawing II: Developing Your Skills	BIL 302 	18	7
The Basics of Visual Composition (should be completed early)	BIL 421 	18	7
Botanical Drawing III: Focus on Flowers	BIL 303 	18	7
Plant Morphology for Botanical Artists**	BIL 300 	20	—
Botanical Watercolor I	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	7	—
Pen and Ink	BIL 400 	18	8
Colored Pencil	BIL 415 	18	8
<i>Elective courses</i>		54	
TOTAL REQUIRED HOURS		221***	


ELECTIVES

Students seeking a Certificate may focus their electives on watercolor, colored pencil, drawing—or they may choose a natural science concentration. Elective courses build on foundation skills and allow the student to tailor their direction of study.

COURSE	CODE	HOURS	PAGE
Composing a Plant’s Habitat	BIL 348 	15	7
Drawing Conifers	BIL 404 	10	7
Understanding Orchids	BIL 324 	5	7
Stones and Shells in Graphite	BIL 492 	9	8
Watercolor Techniques: Sepia Wash	BIL 414 	15	8
Colored Pencil on Black Paper	BIL 363 	15	8
Carnivorous Plants	BIL 389 	8	8
Animal Portraits	BIL 358 	15	8
Leaves in Three Dimension	BIL 488 	8	9
Daylilies in Colored Pencil and Watercolor	BIL 434 	15	9
Refined Graphite Rendering	BIL 370 	12	9
Bird Nests in Silverpoint	BIL 351 	12	9
Painting Small Fruits on Vellum	BIL 616 	18	9
Vibrant Color and Tactile Textures	BIL 617 	18	9
Butterflies, Moths, and Pollinating Insects	BIL 618 	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 information on the Tri-State Botanical Artists (TSBA) at NYBG and professional art organizations, see p. 55.

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, 3/11–4/8, 10 am–2:30 pm
Laura Vogel | Manhattan | 193BIL140D

5 Mondays, 5/6–6/10 (no class 5/27),
10 am–2:30 pm
Laura Vogel | Manhattan | 194BIL140A

5 Mondays, 6/17–7/29 (no class 7/1 & 7/8),
10 am–2:30 pm
Laura Vogel | Manhattan | 194BIL140B

5 Mondays, 9/16–10/28 (no class 9/30 & 10/14),
10 am–2:30 pm
Laura Vogel | Manhattan | 201BIL140C

\$345/\$379

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 Tuesdays, 3/5–3/26, 6–9 pm
Rose Marie James | Manhattan | 193BIL145C

4 Wednesdays, 4/17–5/8, 10 am–1 pm
Linda Nemergut | NYBG | 194BIL145A

4 Tuesdays, 5/21–6/11, 6–9 pm
Katy Lyness | Manhattan | 194BIL145B

4 Tuesdays, 9/17–10/8, 10 am–1 pm
Sarah Wry | NYBG | 201BIL145C

4 Wednesdays, 9/25–10/23 (no class 10/9), 6–9 pm
Katy Lyness | Manhattan | 201BIL145D

\$229/\$249




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, 5/10 & 5/17 (rain date 5/24), 10 am–1 pm
Frank Guida | NYBG | 194BIL226

\$145/\$159


DRAWING CONIFERS

Learn to identify and draw the key characteristics associated with coniferous plants. From needles and bark to seeds and cones, come away with a thorough grounding in the best ways to illustrate the morphological attributes of this beautiful group of plants. We’ll spend some time outdoors observing conifers on the Garden grounds. Please dress for the weather.  Prerequisite: *Botanical Drawing I*

2 Sundays, 3/3 & 3/10, 10 am–3:30 pm
Dick Rauh | NYBG | 193BIL404

\$359/\$395 *Certificate Elective*

NEW! COMPOSING A PLANT’S HABITAT


Add intricacy and excitement to your work by drawing a plant in its natural habitat. Using only graphite, you’ll work step-by-step to build up values to illustrate “ground litter” such as leaves, twigs, nuts, and pods around a small, focal plant. You’ll also develop elements of composition so your finished work looks both natural and dynamic.  Prerequisite: *Botanical Drawing II*

3 Thursdays, 3/14–3/28, 10 am–3:30 pm
Betsy Rogers-Knox | NYBG | 193BIL348

\$359/\$395 *Certificate Elective*

Illustration: Mullein Cycle, ©Betsy Rogers-Knox, NYBG Instructor

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, 3/6–4/10, 10 am–1 pm
Linda M. Nemergut | NYBG | 193BIL302C


6 Wednesdays, 3/6–4/10, 6–9 pm
Laura Vogel | Manhattan | 193BIL302D

6 Saturdays, 5/18–6/29 (no class 5/25), 10 am–1 pm
Laura Vogel | NYBG | 194BIL302A

Mondays, Wednesdays, & Fridays, 7/29–8/9,
10 am–1 pm
Linda M. Nemergut | NYBG | 201BIL302B

\$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 Thursdays, 4/18-5/23, 10 am –1 pm
Linda M. Nemergut | NYBG | 194BIL303A

6 Wednesdays, 4/24–5/29, 10 am –1 pm
Rose Marie James | Manhattan | 194BIL303B

6 Thursdays, 9/12–10/17, 6–9 pm
Rose Marie James | Manhattan | 201BIL303C

\$435/\$479 *Certificate Requirement*

THE BASICS OF VISUAL COMPOSITION

To create a memorable work of art, you must carefully position your subjects on the page. Using a variety of exercises, we’ll experiment with a wide range of principles, including balance, focal points, and the rule of thirds, that will help your composition achieve maximum visual impact. Each week, you’ll add to your personal composition notebook, which will serve as an invaluable reference in the future. You’ll create one final drawing to pull together everything we explored together. This class is best taken early in your Certificate program.  Prerequisite: *Botanical Drawing II*

4 Mondays, 4/29, 5/13, 6/3 & 6/10, 10 am–3 pm
Betsy Rogers-Knox | NYBG | 194BIL421

\$449/\$495 *Certificate Requirement*

5 Fridays, 9/13–10/18 (no class 10/4), 10 am–1:35 pm
Kathie Miranda | NYBG | 201BIL301C

6 Tuesdays, 9/17–10/29 (no class 10/8), 6–9 pm
Katy Lyness | Manhattan | 201BIL301D

\$435/\$479 *Certificate Requirement*

Weekend
watercolor Workshops



Artists of all skill levels will enjoy these one-day workshops dedicated to basic watercolor techniques. In each session, you'll learn to capture the beautiful colors and unique details of a different botanical subject. Plant and photo reference materials will be provided by the instructor. No previous drawing or painting experience is required.

NEW! MAGNOLIAS IN WATERCOLOR WORKSHOP

Sunday, 3/31, 10 am–3:30 pm
Laura Vogel | NYBG | 193BIL217

SPRING TULIPS IN WATERCOLOR WORKSHOP

Sunday, 4/14, 10 am–3:30 pm
Laura Vogel | NYBG | 194BIL207A

Saturday, 5/4, 10 am–3:30 pm
Carrie Di Costanzo | Manhattan | 194BIL207B

NEW! SUCCULENTS IN WATERCOLOR WORKSHOP

Sunday, 6/16, 10 am–3:30 pm
Sarah Wry | NYBG | 194BIL218

NEW! PEACHES IN WATERCOLOR WORKSHOP

Sunday, 7/14, 10 am–3:30 pm
Carrie Di Costanzo | NYBG | 201BIL219

NEW! RED GRAPES IN WATERCOLOR WORKSHOP


Sunday, 8/25, 10 am–3:30 pm
Carrie Di Costanzo | NYBG | 201BIL220

NEW! LILIES IN WATERCOLOR WORKSHOP

Sunday, 9/15, 10 am–3:30 pm
Sarah Wry | NYBG | 201BIL221

Registration fee for each section:
\$95/\$105

COLORLED PENCIL


Colored pencil line and tone can be applied to look like either drawing or painting, making it a versatile medium for creating botanical artwork. Focusing on color theory and application, you'll 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*

Tuesdays, Wednesday, & Thursdays, 7/16–7/25, (no class 7/17), 10 am–2 pm
Laura Vogel | NYBG | 201BIL415A

6 Saturdays, 9/14–10/26 (no class 10/12), 10 am–1 pm
Laura Vogel | NYBG | 201BIL415B

\$435/\$479 *Certificate Requirement*

BOTANICAL WATERCOLOR I

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*

5 Saturdays, 5/11–6/15 (no class 5/25), 10:30 am–3:30 pm
Susan Sapanara | Manhattan | 194BIL331A

8 Mondays, 9/16–11/25 (no class 9/30, 10/14 & 11/11), 6–9 pm
Rose Marie James | Manhattan | 201BIL331B

8 Thursdays, 9/26–11/14, 10:30 am–1:30 pm
Laura Vogel | NYBG | 201BIL331C

\$569/\$625 *Certificate Requirement*

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, 7/8, 7/10, & 7/12, 10 am–4:30 pm
Carol Ann Morley | NYBG | 201BIL400

\$435/\$479 *Certificate Requirement*


NEW! STONES AND SHELLS IN GRAPHITE

Intricacies of stones and shells are fun to draw! Experiment with advanced graphite techniques to capture striking depressions, fissures, and striations of your natural science subjects. Please bring your own collection to draw. Recommended specimens include whelk or nautilus shells, sea urchin tests and natural stones, polished river stones, or gemstones.  Prerequisite: *Botanical Drawing II*

3 Saturdays, 3/30–4/27 (no class 4/6 & 4/20), 10 am–1 pm
Kathie Miranda | Manhattan | 193BIL492

\$285/\$315 *Certificate Elective*


WATERCOLOR TECHNIQUES: SEPIA WASH

Use the warmth and elegance of sepia to enhance your watercolor skills in washes, developing tone and adding detail. Regardless of your watercolor abilities, you will gain painting confidence by working in monochromatic sepia paint—without worrying about color. At the same time, create paintings that are beautiful in their own right.  Prerequisite: *Botanical Drawing II*

3 Tuesdays, 4/2–4/16, 10 am–3:30 pm
Laura Vogel | NYBG | 194BIL414

\$295/\$315 *Certificate Elective*

COLORLED 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, 5/3–5/5, 10 am–3:30 pm
Carol Ann Morley | NYBG | 194BIL363

\$295/\$315 *Certificate Elective*

NEW! CARNIVOROUS PLANTS


Plants that “eat” animals have intrigued naturalists for centuries, from glistening sundews to vivid, almost erotic Venus’s flytraps. We’ll focus specifically on accurately rendering the morphology of pitcher plants with their magnificent and intricately patterned, multicolored vases. You’ll use dissecting microscopes to examine specimens from the Nolen Greenhouses in order to capture their essence in minute detail.

 Prerequisite: *Botanical Drawing II*

2 Tuesdays, 5/14 & 5/21 10 am–2:30 pm
Dick Rauh | NYBG | 194BIL389

\$195/\$215 *Certificate Elective*

NEW! ANIMAL PORTRAITS

Learn to approach animal portraiture from an anatomical perspective. We will see how structures of the skeleton and musculature combine with texture, coloration, and expression for realistic portraits. Techniques will be directly applicable to all animals, domestic and wild, and we will cover characteristic features of popular animal families, including cats and dogs.  Prerequisite: *Botanical Drawing II*

Monday–Wednesday, 6/24–6/26, 10 am–3:30 pm
Ariel Fleming | NYBG | 194BIL358

\$379/\$419 *Certificate Elective*

NEW! LEAVES IN THREE DIMENSIONS

Leaves are endlessly varied—in their arrangement on the stem, their form and shape, their texture and margins. We will begin each class looking at different types of leaves to inform our artwork. You’ll build on basic watercolor skills as you learn to reproduce various textures and tones of green, render believable veins, and create a sense of three dimensions as leaves turn in space.

 Prerequisite: *Botanical Watercolor I*

2 Saturdays, 7/13 & 7/20, 10 am–2:30 pm
Robin Jess | Manhattan | 201BIL488

\$195/\$215 *Certificate Elective*

NEW! DAYLILIES IN COLORED PENCIL AND WATERCOLOR


Practice layering watercolor, colored pencil, and watercolor pencil to create rich color, detail, and form under the expert guidance of Wendy Hollender. You’ll experiment with a dynamic blend of botanical drawing and painting techniques while focusing on the structure of daylilies in bloom.

 Prerequisite: *Botanical Drawing I*

Friday–Sunday, 8/2–8/4, 10 am–3:30 pm
Wendy Hollender | NYBG | 201BIL434

\$395/\$435 *Certificate Elective*


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, 8/12–8/14, 10 am–2:30 pm
Scott Rawlins | NYBG | 201BIL370

\$255/\$279 *Certificate Elective*

BIRD NESTS 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, 9/11–9/25, 10 am–2:30 pm
Linda M. Nemergut | NYBG | 201BIL351

\$285/\$315 *Certificate Elective*

VISITING ARTISTS

*Join us for these special workshops with
Denise Walser-Kolar, Mindy Lighthipe, and Ann Swan*

NEW! PAINTING SMALL FRUITS ON VELLUM


Bring a timeless quality to your work by learning to paint on vellum. Denise Walser-Kolar, whose luminous paintings have garnered awards from the RHS and ASBA, will use short exercises, demos, and discussion of materials to teach you a variety of techniques to help you gain confidence with this surface. Whether you’re new to vellum or more experienced, you will build your skills with plenty of individual attention as you paint small fruits or other subjects of your choice.  Prerequisite: *Botanical Drawing II*

Friday–Sunday, 4/5–4/7, 10 am–4:30 pm
Denise Walser-Kolar | NYBG | 194BIL616

\$445/\$489 *Certificate Elective*



NEW! BUTTERFLIES, MOTHS, AND POLLINATING INSECTS


Mindy Lighthipe, popular artist, and author of *The Art of Botanical & Bird Illustration*, leads this special workshop focused on accurately depicting pollinating insects in flight. Mindy will show you how to render the anatomy and wing position of butterflies, moths, and bees so your paintings soar. You will be able to study museum specimens with a dissecting microscope to identify and capture fine details.  Prerequisite: *Botanical Drawing II*

Monday–Wednesday, 7/22–7/24, 10 am–3:30 pm
Mindy Lighthipe | NYBG | 201BIL618

\$445/\$489 *Certificate Elective*



NEW! VIBRANT COLOR AND TACTILE TEXTURES

Ann Swan—RHS Gold Medalist and author of *Botanical Painting with Colored Pencils*—will share her many tips for creating rich, clean colors and realistic textures that help you capture velvety petals, strong highlights, and surface patterns. Explore using solvents and fluorescent colors in your mix and discuss the importance of planning: when and in what order do you underpaint, blend, use resist, or emboss? We’ll have a go at all these techniques that bring depth, realism, and interest to your finished colored pencil work.  Prerequisite: *Botanical Drawing II*

Wednesday–Friday, 5/29–5/31, 10 am–4:30 pm
Ann Swan | NYBG | 194BIL617

\$445/\$489 *Certificate Elective*

Illustrations from top to bottom:
Raspberries, ©Denise Walser-Kolar
Blue Morpho, ©Mindy Lighthipe
Daylily, ©Ann Swan

BOTANY



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
<i>One of the four Native Flora courses:</i>		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
<i>Elective Credits</i> (See current electives below)		58	
TOTAL REQUIRED HOURS		169	

ELECTIVES

COURSE	CODE	HOURS*	PAGE
Botanical Latin	GAR 360	10	12
Nature's Pharmacy	BOT 346	4	12
The Science of Tree Communication	BOT 385	6	12
Spring Mushrooms	BOT 330	6	12
Microscope Basics	BOT 398	6	13
Systematic Botany	BOT 432	21	13
Evolution and the Tree of Life: Problem-Solving Through Life	BOT 390	3	12
Saving the Plants of the World	BOT 386	3	12
Forest Ecology	BOT 326	12	13
Grasses, Sedges, and Rushes	BOT 319	4	13
Morphology of Flowering Plants	BOT 431	16	13

*Course hours do not include exam hours

**Courses offered in the Fall-Winter Catalog

Courses with a prerequisite before you can register



“I started taking NYBG classes out of curiosity and have been hooked ever since! After I graduated with a Botany Certificate, my wine business took off, and I am now a NYBG instructor myself. Attending NYBG classes—led by extremely knowledgeable teachers who also share their real-life experiences—is an eye-opening and life-changing experience, both on a personal and professional level.”

— TRÉMEUR ARBOR, 2018 Graduate
Owner, winebotany.com

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





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! **EVOLUTION AND THE TREE OF LIFE: PROBLEM-SOLVING THROUGH TIME**

Over billions of years, life on Earth has evolved in all its marvelous diversity. In this talk and walk through the Haupt Conservatory and Pfizer Lab, Dr. Dennis Stevenson explains the Tree of Life (family tree of plants) and how its information is applied to contemporary problems in human endeavors. We will explore plant fossils and examine unique ways plants have adapted to environmental change. Then, in the laboratory, we will see how scientists use data to revise the Tree of Life and design genetic research.

Tuesday, 4/16, 10 am–1 pm
Dennis Stevenson, Ph.D. | NYBG | 194BOT390

NEW! **SAVING THE PLANTS OF THE WORLD**

Never in human history have plant species been more endangered with extinction. Join Vice President for Conservation Strategy Brian Boom and discover the varied strategies NYBG scientists use to confront this urgent threat—from conservation genetics to documenting key areas of biodiversity worldwide. Learn how to use Garden Navigator to locate rare, threatened plant species conserved *ex situ* at NYBG, then journey into our Native Plant Garden to see them live. Visit the Steere Herbarium's lab to explore the tools used to help secure a place for plants suspected to be at risk on the influential IUCN Red List of Threatened Species.

Friday, 8/9, 10 am–1 pm | Brian Boom, Ph.D.
NYBG | 201BOT386

Each section: **\$75/\$85** *Certificate Elective*

BOTANICAL LATIN

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, 3/11–4/8, 6:15–8:15 pm
Jennifer Bakshi | Manhattan | 193GAR360B

5 Wednesdays, 9/25–10/30 (no class 10/9), 10:30–12:30 pm
Jennifer Bakshi | NYBG | 201GAR360A

\$255/\$279 *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, 3/3, 10 am–2:30 pm
Andrea Candee | NYBG | 193BOT346B

Saturday, 9/21, 10 am–2:30 pm
Amy Anthony | Manhattan | 201BOT346A

\$115/\$125 *Certificate Elective*

THE SCIENCE OF TREE COMMUNICATION

Trees may appear to be strong and silent, but they can “talk”—to one another, to other plants, and to animals and insects. Discover how trees communicate via chemical signals in the air (to warn each other of insect attacks), as well as through complex fungal networks underground to transfer nutrients and resources to one another (sometimes to assist sick trees).

2 Tuesdays, 4/2 & 4/9, 10 am–1 pm
Steve Kutos | NYBG | 194BOT385A

2 Wednesdays, 5/8 & 5/15, 6–9 pm
Steve Kutos | Manhattan | 194BOT385B

\$125/\$139 *Certificate Elective*

WHAT'S THIS TREE ON MY BLOCK

Did you know there are over 200 tree species growing on the streets of Manhattan? Learn to distinguish among the five most common genera and pinpoint particular species in this quick intro to tree identification. If you have mystery trees in your neighborhood, bring photos and we'll identify them together. We'll spend some time outdoors too, so dress for the weather.

Saturday, 4/6, 2–4 pm
James Kaechele | Manhattan | 194BOT223

\$59/\$65

SPRING MUSHROOMS

As the mushroom season awakens, discover how and where to hunt for Oysters, Inky Caps, Wine Caps, Dryad's Saddle, Reishi, and the early spring Chicken Mushroom. Even the elusive Morels occur throughout the metropolitan region, and spring is the ideal time to find them. Learn to correctly identify mushrooms, how to differentiate them from look-alikes, and get recipes for the best ways to prepare them in a meal.

2 Thursdays, 4/18 & 4/25, 10 am–1 pm
Paul Sadowski | NYBG | 194BOT330A

2 Mondays, 4/29 & 5/6, 10 am–1 pm
Paul Sadowski | Manhattan | 194BOT330B

\$145/\$159 *Certificate Elective*

BASIC PLANT ID

Are you a plant-lover eager to up your game and start distinguishing one species from another? Then this is the class for you! Using commonly known plants, you'll learn the terminology used to describe their growing habits and structures. This vocabulary will help you recognize and describe key differences in plant forms, from roots to fruits. We'll also cover basic botanical nomenclature.

2 Tuesdays, 6/18 & 6/25, 5–8 pm
Katie Bronson | NYBG | 194BOT308B

Saturday, 7/27, 10 am–4 pm
Elle Barnes | Manhattan | 201BOT308C

\$145/\$159



NEW! **MYCOREMEDIATION: CAN MUSHROOMS HELP HEAL THE PLANET?**

Discover how fungi are being used to degrade pollutants and clean up the environment by filtering water, removing heavy metals from soil, remediating microbes, and breaking down plastics. Mycologist John Michelotti will discuss current mycoremediation efforts around the world—including his own work in Ecuador. Pet owners will even learn to build a remediation bucket to treat bacteria in used kitty litter and other pet waste.

Saturday, 6/15, 10 am–1 pm
John Michelotti | Manhattan | 194BOT298A

Tuesday, 7/23, 10 am–1 pm
John Michelotti | NYBG | 201BOT298B

\$75/\$85

NEW! **MICROSCOPE BASICS**

It takes some finesse, but we can help you build your confidence and ability with microscopes to view a variety of fungi and plant material. We'll show you how to adjust and calibrate the eyepiece, focus on both thick and thin specimens, and properly light your subject. You'll also learn to thinly slice, stain, and make permanent mounts so you can create your very own slide library.

2 Wednesdays, 5/22 & 5/29, 10 am–1 pm
Paul Sadowski | NYBG | 194BOT398A

2 Thursdays, 7/18 & 7/25, 6–9 pm
Paul Sadowski | Manhattan | 201BOT398B

\$145/\$159 *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, 8/28–9/25 (no class 9/4), 5:30–8:30 pm
Elle Barnes | NYBG | 201BOT326

\$295/\$325 *Certificate Elective*


GRASSES, SEDGES, AND RUSHES

This group of plants challenges even trained botanists, but with expert guidance, you can learn how to identify wild native grasses and some of the more popular landscaping ones. Sedges (Cyperaceae) and rushes (Juncaceae), often confused with grasses (Poaceae), are included. Please bring lunch and dress for the weather.

Sunday, 9/22, 10 am–2:30 pm
Regina Alvarez | NYBG | 201BOT319

\$89/\$95 *Certificate Elective*

SYSTEMATIC BOTANY

Survey the major families of the angiosperms (flowering plants) and learn the characteristics 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, 9/3–10/22, 12:30–3:30 pm
TBA | NYBG | 201BOT432S


\$495/\$545 *Certificate Elective*

 **Exam on last class date**

Illustration: Stink Plant (detail), ©Betsy Rogers-Knox, NYBG Instructor

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.


9 Thursdays, 3/14–5/16 (no class 4/18), 5–8 pm
Nicole Fusco | NYBG | 193BOT315B


9 Thursdays, 9/19–11/14, 10 am–1 pm
Steve Kutos | NYBG | 201BOT315P

\$559/\$615 *Certificate Requirement*

PLANT DIVERSITY

Explore the myriad structures and life cycles of the vast diversity of plants, algae, fungi, and bacteria. Delve into the evolutionary reasons behind how and why scientists have divided and classified these organisms. We will also discuss biomes and ecological concepts.  Prerequisite: *Plant Structure*


9 Mondays, 4/29–7/1 (no class 5/27), 5–8 pm
Jamie Boyer, Ph.D. | NYBG | 194BOT317S

9 Mondays, 10/7–12/16 (no class 10/14 & 11/11), 5–8 pm
Jamie Boyer, Ph.D. | NYBG | 202BOT317A

\$559/\$615 *Certificate Requirement*

DENDROLOGY: WOODY PLANT IDENTIFICATION

From towering tulip trees to creeping partridge berries, woody 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 of the most commonly planted in New York City. Class meets outdoors, rain or shine. Bring a hand lens 10x or greater.

6 Saturdays, 4/13–6/1, (no class 4/20 & 5/25), 10:30 am–1:30 pm
James Kaechele | NYBG | 194BOT375

\$379/\$415 *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, 4/12–5/10 (no class 4/19), 10 am–1 pm
Nancy Slowik | NYBG | 194BOT333

\$295/\$325 *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. You'll learn 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 Tuesdays, 5/7–6/11, 5–8 pm
Michael Hagen | NYBG | 194BOT376

\$355/\$395 *Certificate Requirement*

MORPHOLOGY OF FLOWERING PLANTS

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

6 Fridays, 5/17–6/28, (no class 5/31), 10 am–1:10 pm
TBA | NYBG | 194BOT431S

\$395/\$435 *Certificate Elective*

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 and taxonomy. You'll also make your own plant collections. You may borrow a herbarium press (\$30 deposit required). Please bring sunscreen.

4 Fridays, 6/21–7/19 (no class 7/5), 10 am–1 pm
Nancy Slowik | NYBG | 194BOT334

\$295/\$325 *Certificate Requirement*



URBAN NATURALIST



“What a truly rewarding class and field experience! I learned so much about the incredible diversity of plants on our beloved little planet. I have never in my life seen so many different birds or experienced such deep appreciation for them.”

— JACK BURKHALTER, Urban Naturalist student

THE CERTIFICATE PROGRAM

The NYBG Urban Naturalist Certificate Program equips you with the observation, identification, and documentation skills you need to become an effective environmental steward. Using NYBG grounds and select New York City Parks, you will learn to keenly observe the natural world, create scientifically useful records of your observations, and investigate the interrelationships between species. NYBG Urban Naturalists work as environmental educators, help manage invasive species in local parks, and volunteer with our EcoFlora project to help document NYC plant species.

FIELD STUDY PROJECT

In order to receive a Certificate, you must complete an in-depth study of a natural site of your choosing based on observations made there over many months that includes a survey of the plants and animals found there and a plan for how the site can be improved to provide ecological and social benefits. Guidelines are available in the Registration Office.

QUESTIONS?
CONTACT PROGRAM COORDINATOR
NANCY SLOWIK
AT NATCOORDINATOR@NYBG.ORG

CERTIFICATE REQUIREMENTS

COURSE	CODE	HOURS	PAGE
Introduction to Natural History	NAT 300	12	15
Natural History of Birds**	NAT 321	12	—
Natural History of Insects	NAT 322	9	15
Urban Ecology Field Study Workshop	NAT 323	9	15
<i>Two of the four Native Flora courses:</i>		24	15
Native Flora in Autumn**	BOT 331		—
Native Flora in Winter**	BOT 332		—
Native Flora in Spring	BOT 333		15
Native Flora in Summer	BOT 334		15
<i>Elective Credits</i>		30	
TOTAL REQUIRED HOURS		96	

ELECTIVES

COURSE	CODE	HOURS	PAGE
Field Sketching	NAT 400	6	15
Watching Butterfly Wings: Identification and Appreciation	NAT 415	9	15

All Botany courses (pages 12–13) count toward the 30 required elective hours.

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

INTRODUCTION TO NATURAL HISTORY

Naturalists are keen observers of the world around them and have played an integral role in the evolution of scientific thought. Now you can be one too! Learn how to identify plants and animals using a 10x hand lens, dichotomous keys, and field guides. We'll discuss ecological processes and how they are impacted by the urban environment. Significant time will be spent on outside, including tagging monarch butterflies in Marine Park, Brooklyn. Novices and seasoned nature-lovers alike are welcome!

4 Wednesdays, 4/10–4/24, (Rain date 5/1), 10 am–1 pm
Karla Risdon-Nugent | NYBG & Pelham Bay Park
194NAT300A

4 Wednesdays, 6/18–7/16, (Rain date 7/23), 6–9 pm
Gabriel Willow | Manhattan & Central Park
194NAT300B

\$295/\$325 *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, 4/12–5/10 (no class 4/19), 10 am–1 pm
Nancy Slowik | NYBG | 194BOT333

\$295/\$325 *Certificate Requirement*

NEW! NATURAL HISTORY OF INSECTS

Delve into the fascinating world of the creatures that make up 84% of the Animal Kingdom—what renowned biologist E.O. Wilson once called “the little things that run the world.” We'll discuss the roles that insects play—both in maintaining healthy ecosystems as well as their own complex social systems. Explore the wonder of metamorphosis and the amazing variety of defensive strategies and adaptations they have developed to survive. We will also spend ample time in the field observing insects and learning to identify them.

3 Thursdays, 5/16–5/30 (Rain date 6/6), 10 am–1 pm
Ken Chaya | NYBG & Central Park | 194NAT322

\$225/\$245 *Certificate Requirement*

NEW! URBAN ECOLOGY FIELD STUDY

Learn to measure and monitor the ecological diversity observed and celebrated in and around New York City environs. Practice using field techniques for recording observations in nature while walking along trails in the Garden. Explore the biodiversity within your chosen study patch and incorporate methods for assessing vegetation, animal life, and habitats. You will prepare a report based on data collected and presented in class, which will become part of your final project.
P Prerequisite: *Introduction to Natural History*

3 Wednesdays, 6/5–6/19 (Rain date 6/26), 10 am–1 pm
Nancy Slowik | NYBG & Central Park | 194NAT323

\$225/\$245 *Certificate Requirement*

FIELD SKETCHING

Take your naturalist game to the next level by learning how to sketch. Drawing asks you to slow down and closely observe what you see, which helps you identify unfamiliar species and investigate ecological connections. Botanical artist and avid birder Frank Guida will show you tips and tricks to accurately capture nature's important details.
No previous drawing experience required.

2 Sundays, 5/19 & 6/9 (Rain date 6/23), 10 am–1 pm
Frank Guida | NYBG | 194NAT400

\$145/\$159 *Certificate Elective*

NEW! WATCHING BUTTERFLY WINGS: IDENTIFICATION AND APPRECIATION

What do you see when looking at a butterfly? How do you describe its appearance and make sense of its daily habits and behavior? Where do you go to find interesting or unusual species? And once you have identified a butterfly species, what else should you take time to notice? Celebrated author and butterfly expert Rick Cech helps participants develop field observation and ID skills that enrich their technical ability and appreciation of the lepidopteran world.

3 Thursdays, 6/13–6/27, 10 am–1 pm
Rick Cech | NYBG | 194NAT415

\$295/\$325 *Certificate Elective*

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 and taxonomy. You'll also make your own plant collections. You may borrow a herbarium press (\$30 deposit required). Please bring sunscreen.

4 Fridays, 6/21–7/19 (no class 7/5), 10 am–1 pm
Nancy Slowik | NYBG | 194BOT334

\$295/\$325 *Certificate Requirement*



CRAFTS & DIY

Let Mother Nature be your muse!
We make it easy—all materials are included!



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, 4/6, 11 am–2:30 pm
Dorothy Smullen | NYBG | 194CRF130

\$79/\$85

PAPER PEONIES WITH LIVIA CETTI

Livia Cetti—the celebrated artist who “makes paper bloom” (*The New Yorker*)—returns to the Garden to show you how to create a three-dimensional blossom from hand-dyed crepe paper and tissue paper to make beautiful creations. You will fashion a high-style peony, from stem to stamen by cutting and shaping your paper into petals that you will assemble using wire and floral tape. You’ll take home an exquisite, lifelike flower that will brighten your home regardless of the season.

Wednesday, 4/10, 10 am–1 pm
Livia Cetti | NYBG | 194CRF250

\$149/\$165

LAVENDER WREATH

In this popular wreath-making class, explore the best techniques for lavender harvesting, drying, and arranging. You will weave the base of your wreath using wild vines, then attach bundles of blue lavender and other aromatic herbs, such as lemon leaf, bay, rosemary, artemisia, and roses. Your finished wreath will make a great addition to any home.

Sunday, 4/14, 11 am–1:30 pm
Diana Conklin | NYBG | 194CRF150

\$115/\$125

NEW! FLORAL CROWNS

Simple yet elegant—floral crowns evoke nature and romance. Far from being a hippie throwback, they remain trendy for summer music festivals, parties, and even Parisian runways (check out Rodarte’s spring 2018 show!). Join us for a lively workshop in which you fashion your own crown using seasonal blooms and fresh foliage. You’ll add textural elements for your own unique flair.

Monday, 4/15, 10 am–12 pm
Nsombi Woodson | NYBG | 194CRF184A

Monday, 6/17, 6:30–8:30 pm
Nsombi Woodson | Manhattan | 194CRF184B

\$125/\$139

NEW! FLORALIA: DYEING WITH FLOWERS

Uncover the hidden and powerful color properties of flowers, as well as the history and basics of dyeing with plants by using different flowers to create tones from yellow and orange to pink and purple. Each participant will receive one silk scarf to dye during the workshop.

Friday, 5/31, 2–5 pm
Maria Elena Pombo | NYBG | 194CRF274

\$115/\$125



Make a living fashion statement!



Have fun while dabbling in watercolor.



Create patterned tea towels with rich indigo.

GIRLS’ NIGHT OUT: SPRING WILDFLOWERS

Gather your friends, sisters, or mom for a night of fun at our Midtown Center. Get creative as you put together your own professional-looking floral arrangement while enjoying hors d’oeuvres, music, and the company of other women. One part class, one part party, Girls’ Night Out is a wonderful way to unwind while learning something new.

Wednesday, 5/1, 6:30–8:30 pm
Jordan Chapelle | Manhattan | 194CRF170A

Thursday, 6/27, 6:30–8:30 pm
Jordan Chapelle | Manhattan | 194CRF170B

\$129/\$139

BOTANICAL BLUES: CYANOTYPE

Harness sunlight to create dreamlike botanical images in rich blues. Pioneered in the 1840s, cyanotype is a type of photography that doesn’t use a camera. Under the expert guidance of artist William Waitzman, you will make 4–6 prints, while exploring the best ways to prep your paper with light-sensitive chemicals and compose your image using pressed plants.

Saturday, 5/18 (rain date 5/19), 10:30 am–3 pm
William Waitzman | NYBG | 194CRF128A

Saturday, 7/13 (rain date 7/14), 10:30 am–3 pm
William Waitzman | NYBG | 201CRF128B

\$139/\$155

NEW! BOTANICAL BRACELETS

Why restrict flowers to a vase or succulents to a pot? The new trend is to “wear” them! Create unique necklaces, earrings, bracelets, or pins—while learning simple techniques you can apply to many projects.

Wednesday, 5/15, 11 am–2 pm
Renee Marsh | NYBG | 194CRF255A

Wednesday, 8/7, 11 am–2 pm
Renee Marsh | Manhattan | 201CRF255B

\$95/\$105

LIVING DÉCOR: TERRARIUMS WITH AIR PLANTS & ORCHIDS

Create a mini rain forest with air plants and orchids in an open, lantern-style terrarium. Maria Colletti, author of *Terrariums: Gardens Under Glass*, will guide you as you design your own. She’ll also provide instruction on the care and maintenance of your miniature plant world.

Tuesday, 5/21, 6:30–8:30 pm
Maria Colletti | Manhattan | 194CRF167

\$115/\$125

NEW! LANDSCAPE DRAWING EN PLEIN AIR

Channel your inner Monet while you spend a morning drawing in the Garden! Botanical artist Frank Guida covers basic design principles, including focal point, contrast, perspective, line, and gesture, as well as how to choose a subject that translates well on the page. Then, you will go out on grounds to practice what you’ve learned. Beginners and experienced artists alike will receive individual guidance to hone their skills.

Thursday, 6/6 (Rain date: 6/7), 10 am–2 pm
Frank Guida | NYBG | 194CRF198

\$95/\$105

NEW! WATERCOLOR BASICS

You loved her recent *New Yorker* covers! Award-winning artist and seasoned educator Jenny Kroik is known for the loosely rendered, evocative scenes she describes as “very responsive—like a journal.” Using cut flowers as your subject, you will learn the basics of painting with watercolor or take your work to the next level in a casual environment. Have fun while experimenting with color and creativity!

Tuesday, 6/11, 6:30–8:30 pm
Jenny Kroik | Manhattan | 194CRF277A

Saturday, 7/20, 12–2 pm
Jenny Kroik | NYBG | 201CRF277B

\$95/\$105

INDIGO DYE WORKSHOP

Create a vibrant pair of tea towels by dyeing them in alluring, ancient indigo! You’ll experiment with several different ways to create patterns using traditional Japanese shibori techniques. Textile artist Molly George will also show you just how easy it is to create an organic indigo vat with only three natural ingredients so you can continue the fun at home!

Thursday, 7/18, 6–9 pm
Molly George | Manhattan | 201CRF164A

Saturday, 9/21, 12–3 pm
Molly George | NYBG | 201CRF164B

\$115/\$125



NEW! GELATIN PRINTING: PRESERVING PLANT SPECIMENS

Lillian Melcher, whose breathtaking illustrations grace the pages of *The Adventures of Alexander von Humboldt*, discusses how the explorers of old recorded the botanical specimens they found while fording river rapids and climbing mountain tops! Then you will experiment with color and layering using a similar, rewarding technique to make extremely detailed impressions of leaves and flowers from the Garden. Go home with an exquisite record of your visit to NYBG.

Saturday, 4/20, 10 am–1 pm
Lillian Melcher | NYBG | 194CRF134

\$95/\$105

FLORAL DESIGN



The New York Botanical Garden is home to New York City's oldest and most prestigious Floral Design Program, and for over four decades has sent hundreds of graduates on to enjoy rewarding careers. With hands-on practice and with personal attention from NYBG's rigorous yet nurturing instructors, you'll develop the mastery and confidence to express yourself through flowers. So come take a class with us at the Garden or our Midtown Education Center! 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.

During the course of the program, students will:

- Create more than 40 original floral designs for all occasions, including weddings, parties, and holidays.
- Gain a solid grounding in color theory and an understanding of historical and contemporary floral styles.
- 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 8–August 9

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!

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 | Practical Planning for Designers
Grand-Scale Arrangements | Event Planning for the Floral Designer | Four Specialty Electives

Monday–Friday, July 8–August 9, 10 am–5 pm | NYBG | 201FDN950

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, and a complete set of tools.

An optional payment schedule is available if requested. \$1,995 is due at registration, 2nd payment due May 20, final payment June 17. No refunds after Monday, June 17, 2019.

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



“Two years ago, with a stressful job and busy life, I decided to relax with a NYBG flower arrangement class. I enjoyed it so much, I took another, and another. Now I have my Floral Design Certificate and I’m ready to offer my own floral class to share the joy with others. Thank you NYBG for the wonderful teachers, great classes, and a fabulous experience that opened a new window to my fun career.”

— EMMA MELENDEZ, 2017 Graduate
Owner, EmmaFlowerFun Studio



**GET NYBG
CERTIFIED**

Founded in 1977, the NYBG Certificate is a nationally recognized mark of excellence in floral design that 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 business.

**QUESTIONS? CONTACT PROGRAM
COORDINATOR TOM CAWLEY
AT FDNCOORDINATOR@NYBG.ORG**

CERTIFICATE REQUIREMENTS

COURSE	CODE	HOURS	PAGE
Fundamentals of Form	FDN 300	16	22
Fundamentals of Style	FDN 302 P	16	22
Wedding Design I: Personals	FDN 304 P	16	23
Color Theory for Floral Design	FDN 306	8	23
Flower ID from A to Z	FDN 308	8	23
Interior Plantscapes	FDN 310	8	23
Shopping the New York Flower Market	FDN 400 P	4	23
Modern Sympathy Designs	FDN 382 P	6	23
Wedding Design II: Ceremony & Reception	FDN 305 P	16	23
Grand-Scale Arrangements	FDN 502 P	8	23
Event Planning for the Floral Designer	FDN 504 P	12	23
<i>Elective courses</i>			24
TOTAL REQUIRED HOURS			142

ELECTIVES

COURSE	CODE	HOURS	PAGE
Photostyling: Building Your Brand on Social Media	FDN 369	6	20
Monstera: The Leaf of the Moment	FDN 388	4	21
Sculptural Headpieces	FDN 316	3	21
Exploring Tablescape: Floral Runners	FDN 362	4	21
Ikebana: A Comprehensive Approach	FDN 325	9	21
Floral Armature Techniques	FDN 341	3	21
Farmhouse Elegance Tablescape	FDN 319	4	21
Clustered Glass Containers: Artfully-Crafted Floral Design	FDN 386	4	21
Nature-Inspired Design with Amy Merrick	FDN 428	3	21
Outdoor, Site Specific Installations	FDN 393	5	23
Tulipina: Kiana’s Signature Style	FDN 431	6	22
Tulipina: Seasonal, Monochromatic Designs	FDN 443	6	22

[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. 55 for details.



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, 3/21, 6–8 pm
Rose G. Edinger | [Manhattan](#) | 193FDN210H

Wednesday, 4/24, 6–8 pm
Jordan Chapelle | [Manhattan](#) | 194FDN210A

Tuesday, 6/25, 6–8 pm
Rose G. Edinger | [Manhattan](#) | 194FDN210B

Wednesday, 8/7, 6–8 pm
Nsombi Woodson | [Manhattan](#) | 201FDN210C

Monday, 9/16, 6–8 pm
Rose G. Edinger | [Manhattan](#) | 201FDN210D

\$49/\$55

PHOTOSTYLING: BUILDING YOUR BRAND ON SOCIAL MEDIA

Garnering thousands of likes on Instagram generates buzz around your business. But do you know what and when to post? Learn to design a simple arrangement, then consciously frame and edit photos you take from your phone. In the first class, we’ll focus on how to create a social media identity, choose hashtags to drive followers, and use third party apps to stylize your photos and schedule your posts. In the 2nd class, we’ll create an arrangement to practice styling and shooting. \$70 materials fee.

2 Wednesdays, 3/13 & 3/20, 10:30 am–1:30 pm
Bridget Vizoso | [Manhattan](#) | 193FDN369B

\$179/\$195 *Certificate Elective*

SIMPLE AND SLEEK 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.

Tuesday, 3/26, 11 am–1 pm
Bridget Vizoso | [NYBG](#) | 193FDN203D

Wednesday, 5/1, 11 am–1 pm
Rose G. Edinger | [NYBG](#) | 194FDN203A

Monday, 6/10, 6–8 pm
Nsombi Woodson | [Manhattan](#) | 194FDN203B

Monday, 7/8, 6–8 pm
Rose G. Edinger | [Manhattan](#) | 201FDN203C

\$49/\$55

NEW! FARMHOUSE ELEGANCE TABLESCAPE

Learn to craft the ultimate farmhouse table in an artful blend of vintage and modern, rustic and refined. Locally sourced peonies, wildflowers, fresh herbs, and flowering cherry branches take center stage, displayed in farm-inspired metal and glass containers bursting with springtime meadow charm. You’ll fashion an elegant design, grouping blossoms, wildflowers, herbs, and botanicals with the latest in tablecloth, napkin, and candle styling. Then photograph your farmhouse table for portfolio and social media before leaving with your fresh-from-the-farm and trending floral arrangement. \$95 materials fee.

Tuesday, 4/2, 10:30 am–3 pm
Trish O’Sullivan | [NYBG](#) | 194FDN319

\$149/\$165 *Certificate Elective*

NEW! MONSTERA: LEAF OF THE MOMENT

Make a statement using tropical foliage such as monstera, smilax, and bird’s nest fern. Jordan Chapelle, formerly Senior Visual Designer at Ovando, shows you how to let the bold leaf shapes guide your design. Discover many techniques to make a strong visual impact without relying primarily on flowers and take home a tropical arrangement of the moment. \$100 materials fee.

Wednesday, 5/22, 11 am–3 pm
Jordan Chapelle | [NYBG](#) | 194FDN388

\$135/\$149 *Certificate Elective*

SCULPTURAL HEADPIECES

Joshua Werber’s playful headpieces are certain to delight, as his many followers on Instagram readily attest. In this special workshop, Joshua will



discuss how to use botanical materials to design headpieces that evoke a wide variety of emotions. Learn the basic mechanics needed to create unique forms, while experimenting with making a bold statement of your own. You’ll have a wide variety of plant material to choose from as

you create, all while drawing inspiration from Josh’s lush aesthetic and sculptural approach to flowers. \$85 materials fee.

Friday, 4/26, 10 am–1 pm
Joshua Werber | [NYBG](#) | 194FDN316

\$135/\$149 *Certificate Elective*

FLORAL ARMATURE TECHNIQUES

Creative, imaginative, and sometimes even gravity defying, armatures are the key to many simple yet spectacular designs. Learn the basic techniques to construct compelling frameworks from natural and man-made materials. You’ll get inspired to create dramatic armature designs with masterful techniques. \$100 materials fee.

Wednesday, 4/10, 6–9 pm
Claire Won Kang | [Manhattan](#) | 194FDN341

\$135/\$149 *Certificate Elective*

NEW! CLUSTERED GLASS CONTAINERS: ARTFULLY-CRAFTED FLORAL DESIGN

From chic weddings to intimate dinner parties, artfully-presented groupings of bouquets in eclectic glass containers are a popular look. Garden roses, ranunculus, calla lilies, green moss dianthus, Queen Anne’s lace, fragrant ginestra, and hypericum berries arranged in simple vignettes will showcase your personal expression of color and composition. You will take home three beautiful floral displays of your own design. Material fee \$95.

Thursday, 5/2, 10:30 am–3 pm
Trish O’Sullivan | [NYBG](#) | 194FDN386

\$149/\$165 *Certificate Elective*

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.

Monday, 6/3, 10 am–2:30 pm
Nsombi Woodson | [NYBG](#) | 194FDN362

\$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 Thursdays, 6/13–6/27, 11 am–2 pm
Junko Miura | [NYBG](#) | 194FDN325

\$235/\$279 *Certificate Elective*

The Cutting Edge

A Floral Design Series

Work closely with a trending floral designer whose unique ideas and approaches are bringing new energy to contemporary design.



NATURE-INSPIRED DESIGN WITH AMY MERRICK

“Color, proportion, and texture are as important in flowers as in fashion. I like a natural, unfussy look,” says Amy Merrick, who’s redefining the art of floral design and botanical styling in high-profile photo shoots, windows, publications and events from Japan to New York.

This half-day workshop reflects Amy’s signature aesthetic of artfully composed yet wonderfully untamed designs that juxtapose unexpected cuttings. Working with a range of locally sourced branches, blooms, stalks, herbs, fruits, and grasses, Amy will help you hone your personal style and creative vision into an arrangement that evokes the movement and textures found in nature.



Brooklyn-based designer/writer/stylist **Amy Merrick’s** evocative creations, many with materials she’s gathered from surrounding landscapes, have won her an international clientele and a fan base that includes a legion of Instagram followers. Her work

is botanically focused, and can be seen on many magazine covers and in national ad campaigns, while her nature-inspired writings appear in books, magazines and across the web.

Monday, 6/10, 10 am–1 pm
[NYBG](#) | 194FDN428

\$245/\$269 *Certificate Elective*



Master Classes with Kiana Underwood of Tulipina

“I love abundance, which by itself is beautiful.”

So says Tulipina’s Kiana Underwood whose free-flowing, sumptuous floral designs evoke gardens bursting with life. Join us for two intimate workshops in which Kiana will show you how to combine rich color palettes and unexpected textures to craft stunning designs. She will also discuss the art of choosing vessels, foraging materials, and successfully creating your own personal brand.

Driven by a love of flowers nurtured in her grandfather’s Tehran gardens, Kiana founded Tulipina in 2011, which has since blossomed into an internationally renowned, luxury floral design brand that boasts 300,000+ Instagram followers and has been featured in *The New York Times*, *Vogue*, *Brides*, *Elle Décor*, *Country Living*, and *Couture Flowers*, among others. Dedicated to sharing her passion, Kiana gives workshops across the globe and recently wrote *Color Me Floral*, a guide to creating lavish, monochromatic arrangements.

KIANA’S SIGNATURE STYLE

Explore how to create abundant centerpieces that seem to spill from their vases. Working with seasonal flowers and edible embellishments, you will craft two designs that lend a modern twist to an Old World style under Kiana’s expert guidance.

Wednesday, 6/5, 10:30 am–4:30 pm | NYBG | 194FDN431
\$345/\$379 *Certificate Elective*

SEASONAL, MONOCHROMATIC DESIGNS

Fashion show-stopping monochromatic arrangements, while reveling in the endless variations of flowers within a particular color palette. Kiana will introduce you to little-known varieties of flowers, and walk you through the best ways to mix flowers of slightly different shades to create breathtaking beauty.

Thursday, 6/6, 10:30 am–4:30 pm | NYBG | 194FDN443 | \$345/\$379 *Certificate Elective*

Register for both and receive a discount: 194FDN444 \$645/\$709



MIDTOWN Mini Summer Intensive

In just three weeks, take the first three required classes in NYBG’s Floral Design Certificate Program at our Midtown Center and gain the key skills needed to create a wide variety of floral designs.

CLASSES

Fundamentals of Form | Fundamentals of Style | Wedding Design I: Personals
Monday–Thursday, July 15–August 1, 10:30 am–3 pm | Manhattan | 201FDN955

TUITION

\$1,895 (Member) / \$2,095 (Non-Member)
Tuition includes all materials. Payment schedule is available if requested.

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

CERTIFICATE REQUIREMENTS

These classes are also open to Non-Certificate students.

FUNDAMENTALS OF FORM

Learn the keys to successful floral design and master the mechanics needed to create round, triangular, parallel, and crescent arrangements. Experiment with shape, line, and symmetry while composing beautiful, balanced creations. \$245 materials fee.

4 Thursdays, 3/21–4/11, 10:30 am–3 pm
Thomas Cawley | NYBG | 193FDN300A

3 Tuesdays & 3 Thursdays, 4/9–4/25, 6:15–8:55 pm
Nsombi Woodson | Manhattan | 194FDN300B

4 Sundays, 4/7–5/5 (no class 4/21), 11 am–3:30 pm
Nsombi Woodson | NYBG | 194FDN300C

Monday–Thursday, 7/15–7/18, 10:30 am–3 pm
Jameel Gilbert | Manhattan | 201FDN300D

4 Sundays, 9/15–10/20 (no class 9/29 & 10/13), 11 am–3:30 pm
Nsombi Woodson | NYBG | 201FDN300E

4 Wednesdays, 9/11–10/2, 10:30 am–3 pm
Thomas Cawley | NYBG | 201FDN300F

6 Tuesdays, 9/24–11/5 (no class 10/8), 6:15–8:55 pm
Jameel Gilbert | Manhattan | 201FDN300G

\$395/\$435 *Certificate Requirement*

FUNDAMENTALS OF STYLE

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

📌 Prerequisite: *Fundamentals of Form*

4 Tuesdays, 5/7–5/28, 10:30 am–3 pm
Jordan Chapelle | NYBG | 194FDN302A

4 Sundays, 6/9–6/30, 11 am–3:30 pm
Nsombi Woodson | NYBG | 194FDN302B

Monday–Thursday, 7/22-7/25, 10:30 am–3 pm
Jameel Gilbert | Manhattan | 201FDN302C

\$395/\$435 *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.

📌 Prerequisite: *Fundamentals of Style*

4 Tuesdays, 6/4–6/25, 11 am–3:30 pm
Nsombi Woodson | NYBG | 194FDN304A

Monday–Thursday, 7/29–8/1, 10:30 am–3 pm
Jameel Gilbert | Manhattan | 201FDN304B

4 Mondays, 9/23–10/28 (no class 9/30 & 10/14), 11 am–3:30 pm
Nsombi Woodson | NYBG | 201FDN304C

\$395/\$435 *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*

6 Mondays, 4/8–5/13, 6:15–8:55 pm
Jordan Chapelle | Manhattan | 194FDN305C

4 Mondays, 4/29–5/20, 10 am–2:30 pm
Thomas Cawley | NYBG | 194FDN305A

\$395/\$435 *Certificate Requirement*

SHOPPING THE NEW YORK FLOWER MARKET

Learn to navigate the bustling New York flower district! Discover where to get the best flowers and hard goods from the pros. Your confirmation letter will include where we will meet in the flower district. Lunch is not included. Dress for the weather.

📌 Prerequisite: *Fundamentals of Form*

Wednesday, 4/17, 9 am–12:30 pm
Rose G. Edinger | Off site | 194FDN400A

Wednesday, 7/10, 9 am–12:30 pm
Rose G. Edinger | Off site | 201FDN400B

Monday, 8/5, 9 am–12:30 pm
Nsombi Woodson | Off site | 201FDN400C

\$95/\$105 *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. \$100 materials fee.

2 Saturdays, 4/13 & 4/27, 10 am–2:30 pm
Julio Jimenez | NYBG | 194FDN306A

3 Tuesdays, 4/30–5/14, 6:15–8:55 pm
Rose G. Edinger | Manhattan | 194FDN306B

2 Thursdays, 9/26 & 10/3, 10 am–2:30 pm
Jameel Gilbert | NYBG | 201FDN306C

\$195/\$215 *Certificate Requirement*

INTERIOR PLANTSCAPES

Florists and floral designers who want long-lasting, gorgeous interior plantings won’t want to 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 Thursdays, 5/9 & 5/16, 10 am–2:30 pm
Chris Raimondi, CLP | NYBG | 194FDN310

\$195/\$215 *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.

3 Thursdays, 5/2–5/16, 6:15–8:55 pm
Rose G. Edinger | Manhattan | 194FDN308A

2 Mondays, 6/17 & 6/24, 11 am–3:30 pm
Jameel Gilbert | NYBG | 194FDN308B

\$195/\$215 *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 tablescape. \$185 materials fee. 📌 Prerequisite: *Wedding Design I*

3 Tuesdays, 3/5–3/19, 10 am–2:30 pm
Thomas Cawley | NYBG | 193FDN504B

3 Wednesdays, 5/15–5/29, 10:30 am–3 pm
Jameel Gilbert | Manhattan | 194FDN504A

\$285/\$315 *Certificate Requirement*

NEW! MODERN SYMPATHY DESIGNS

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 a wide choice of designs that make a touching statement of final tribute. Construction and mechanics of funeral baskets, casket sprays, and set pieces associated with a diversity of cultural traditions are emphasized. \$170 materials fee.

📌 Prerequisite: *Fundamentals of Form*

Thursday, 3/14, 10 am–4:30 pm
Claire Won Kang, AIFD | NYBG | 193FDN382

\$179/\$195 *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 II*

2 Wednesdays, 4/3 & 4/10, 10 am–2:30 pm
Thomas Cawley | NYBG | 194FDN502

3 Wednesdays, 6/12–6/26, 6:15–8:55 pm
Jameel Gilbert | Manhattan | 194FDN502B

\$225/\$249 *Certificate Requirement*

NEW! OUTDOOR, SITE SPECIFIC INSTALLATIONS

Journey into the Garden to create a large outdoor Instagram-worthy flower sensation! Working with Lilli Wright of Mimosa Floral Design, you will

use locally sourced seasonal branches and blooms to transform a NYBG gazebo into a magical ceremonial setting. Recently honored by having her designs selected as *The Knot’s* 2017 Dream Wedding, Lilli will share her experience, constructive feedback, and encouragement as you collaboratively design and craft an asymmetrical display. You’ll be able to use your gorgeous photos of the display in your professional portfolio! \$125 materials fee.

Tuesday, 7/16 (Rain date 7/23), 9:30 am–2:30 pm
Lilli Wright | NYBG | 201FDN393

\$179/\$195 *Certificate Elective*



©Mimosa Floral Design

FOOD & DRINK

Create tasty treats from nature’s bounty!
Or explore the botany and horticulture behind the foods
and beverages you consume.



THE WONDERS OF AGAVE: TEQUILAS, RAICILLA, MEZCAL, AND SOTOLS
Agave have been harvested from the arid “desert forests” of Mexico for over 9,000 years. Today, the genus is best known for the production of mezcal, which can be made from dozens of species, many still wild harvested today. Join NYBG ethnobotanist (and bartender!) Brian Hockaday to explore the history, biology, and taxonomy of this fascinating clade, while tasting your way through the family tree! 21+

Wednesday, 3/13, 6–8 pm
Brian Hockaday | Manhattan | 193CKG210
\$79/\$85

NEW! BOTANICAL MIXOLOGY 101
Historical bartenders and modern mixologists have long used a great variety of herbal and botanical ingredients to add flavor, body, and visual flair to drinks. Go beyond the garnish to explore the world of oleo-saccharums, infusions, simple syrups, and tinctures using plants and ingredients accessible to the urban gardener/drinker. You'll learn history, get growing advice, and master technique, and sample a variety of botanical ingredients to gain greater understanding of the palette of available flavors. Lastly, you'll top off the evening by making your own tincture to take home and perk up your cocktails!

Tuesday, 4/9, 6–9 pm
Jim Freeman | Manhattan | 194CKG240A

Wednesday, 7/10, 6–9 pm
Jim Freeman | Manhattan | 201CKG240B

\$79/\$85

NEW! INTRODUCTION TO WINE TASTING
Taste and enjoy wine in a relaxed garden environment. After sampling and discussing an assortment of white and red wines, you'll have a better grasp of what it means for a wine to be called dry, tannic, fruit-forward, or acidic. We will also cover how different grape species, wine-making techniques, and the land itself influence how a specific wine tastes. No wine experience necessary! 21+

Sunday, 5/5, 2–4 pm
Robert Brinkman | NYBG | 194CKG235A

Sunday, 6/23, 2–4 pm
Robert Brinkman | NYBG | 194CKG235B

\$45/\$49

HEALING SPIRITS: THE BOTANY OF APERITIFS AND DIGESTIFS
The centuries-old botanical history of aperitifs and digestifs, from Chartreuse to Fernet Branca, stems in part from a monastic quest to divine an “elixir of long life.” Many cultures still commonly consume these herbal drinks, made of complex mixtures of plant material, for their unique flavor profiles and for their medicinal properties. As you taste selected aperitifs and digestifs, discover their botany and discuss the physiological impacts each have on human health. 21+

Thursday, 5/9, 6:30–8:30 pm
Brian Hockaday | Manhattan | 194CKG203A

Thursday, 6/13, 6:30–8:30 pm
Brian Hockaday | Manhattan | 194CKG203B

\$85/\$95

NEW! ITALIAN BITTER GREENS SALAD
Explore how to make the perfect, palette-cleansing salad that also promotes good digestion. Nancy MacNamara will show you how to properly mix and dress a variety of bitter green, including baby escarole, radicchio, dandelion, castelfranco, and agretti—all fresh from Honey Locust Pharm House, her small-scale, organic farm. She'll discuss how to plant, propagate, maintain, and harvest these greens so you too can grow them! You'll take the salad mix and dressing home to enjoy.

Saturday, 5/11, 11 am–2 pm
Nancy MacNamara | NYBG | 194CKG212

\$79/\$85

GROW GOURMET MUSHROOMS INDOORS
Mushrooms have been utilized for thousands of years for medicinal and edible purposes. John Michelotti, owner of Catskill Fungi, will show you how to cultivate gourmet mushrooms at home using safe and simple techniques. Using cardboard and coffee grounds, create your own oyster mushroom starter (*Pleurotus ostreatus*) to take home, while learning about the life cycles, characteristics, and medicinal and culinary properties of fungi.

Wednesday, 6/5, 6:15–9:15 pm
John Michelotti | Manhattan | 194CKG207A

Saturday, 9/14, 10 am–1 pm
John Michelotti | NYBG | 201CKG207B

\$75/\$85

NEW! SHRUBS: TASTY, TANGY BEVERAGES
Delight your summer guests with these sophisticated, refreshing drinks! Both tart and sweet, a shrub is a tasty tonic made with a vinegar base, fruit, sugar, and herbs. Drink it straight, mix it with mineral water, or use it to craft a new signature cocktail. Make a shrub to take home and walk away with recipes to keep creating!

Thursday, 6/20, 6:30–8:30 pm
Cheryl Paswater | Manhattan | 194CKG244

\$69/\$75

NEW! SEASONAL BERRY JAM
Get a little messy making seasonal berry jam! Trained in preservation techniques at Cornell, Stephen Nocera will show you three distinct methods of jamming, using less sugar and no additives or pectin. You'll come away with the techniques and recipes you need to keep jamming at home, as well as three delicious jams that will transport you back to summer whenever you reach for a jar.

Saturday, 6/22, 11 am–2 pm
Stephen Nocera | NYBG | 194CKG200

\$79/\$85

Illustration: A Portrait of an Heirloom Tomato, *Solanum lycopersicum*, ©Asuka Hishiki, NYBG Instructor

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

NEW! THE BASICS OF BLENDING TEA
There's more to blending tea than simply tossing herbs together. Nancy MacNamara—whose teas are a perennial favorite at NYBG's Farmers Market—will discuss the flavor profiles of various dried leaves, roots, barks, fruits, flowers, and berries, as well as how to combine these ingredients with a base of black, green, or herbal tea. You'll sample different brews before creating your own special blend to take home.

Saturday, 7/13, 11 am–2 pm
Nancy MacNamara | NYBG | 201CKG219

\$79/\$85

NEW! CANNING PEACHES
“Put up” your peaches using time-honored canning techniques for three preparations that will extend the bounty of your favorite stone fruits long after summer is gone. Create a compote to top your summer desserts; prepare for fall with warming spices; or add syrup to bring sunshine to your winter days. We'll discuss the basics of canning and food safety while you prepare delicious treats to take home.

Saturday, 7/27, 11 am–2 pm
Stephen Nocera | NYBG | 201CKG231

\$79/\$85

BEEKEEPING BASICS
Expert beekeepers Frank Mortimer and Bob Slanzi walk you through the ins and outs of what's needed to safely, productively, and enjoyably begin to keep honeybees in a populated area. You'll learn how and why a beehive functions as one living organism, as well as the practicalities of how to manage a colony and begin to produce honey.

Saturday, 8/3, 10 am–1 pm
Frank Mortimer & Bob Slanzi | NYBG | 201CKG206

\$55/\$59

NEW! PICKLES, THREE WAYS
Return to great-grandma's tried-and-true process to make pickled cucumbers in three styles—spicy dill, sweet bread-and-butter, and zesty relish. Designed for beginners, this class covers the basics—from recipes to food prep to sterilizing. You'll pick up tips and tricks for pickling all kinds of produce and head home with recipes and jars of tasty pickled goodies!

Saturday, 8/24, 11 am–2 pm
Stephen Nocera | NYBG | 201CKG221

\$79/\$85



Make zesty treats from your garden's bounty.



Mix and match herbs to make your own tea blend.



Preserve a bit of summer for colder days.

NEW! THE TOTAL TOMATO
Wondering what to do with your bounty of tomatoes? Preserve them, of course! We will show you the best ways to process and hot pack your harvest, with a simple method borrowed from industrial canning. We'll make a chili tomato salsa, marinara sauce, and crushed tomatoes for the pantry, all of which can be safely preserved for future use. When you're dining on fresh tomatoes come December, you'll be thankful you came!

Thursday, 9/12, 11 am–2 pm
Stephen Nocera | NYBG | 201CKG226

\$79/\$85



Photo by Stevie Rocco

GARDENING



Today more and more people are realizing the physical, social, and psychological benefits of working with nature, and 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 28.

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 8–July 26

Fast-track your NYBG Gardening Certificate this summer! In just three short weeks, you'll complete more than 40% 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 | Fundamentals of Garden Design
Gardening with Native Plants

Monday–Friday, July 8–26 | 9 am–4 pm | NYBG | 201GAR950

TUITION AND REFUNDS

\$1,925 (Member) / \$2,125 (Non-Member)
A \$635 non-refundable deposit is due at registration.

An optional payment schedule is available if requested. \$635 is due at registration, 2nd payment due May 20, final payment June 17. No refunds after Monday, June 17, 2019.

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








"I started gardening more than 25 years ago with a little help from my friends. But essentially I have been a self-taught gardener. At NYBG's Gardening Program, I was able to refine my skills and immerse myself in the details—which, of course, makes all the difference. I am a much more skilled and educated gardener now, which is what I wanted to achieve in the program. So happy I joined in!"

— DONNA M. DORIAN, 2018 Graduate
Owner, Farnette Designs

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




CERTIFICATE REQUIREMENTS

COURSE	CODE	HOURS	PAGE
Fundamentals of Gardening	GAR 301	12	28
Introduction to Plant Science	HRT 300	16	37
Soil Science for Gardeners	GAR 302	12	29
Gardening with Native Plants	GAR 315	9	29
Insect Identification and Management	GAR 320	12	29
Disease Identification and Management	GAR 324	12	29
Fundamentals of Garden Design	GAR 342 	12	28
Vegetable Gardening	GAR 431 	12	29
Complete Garden Care and Maintenance	GAR 440 	18	29
Pruning Principles and Practices**	HRT 321 	15	—
Plants for Landscaping	HRT 358	16	37
Plant Propagation I: Basic Principles	HRT 411 	18	39
<i>Elective GAR or HRT courses</i>		23	
TOTAL REQUIRED HOURS		187	

ELECTIVES

COURSE	CODE	HOURS	PAGE
Botanical Latin	GAR 360	10	28
Container Gardening	GAR 327	8	30
Landscape for Curb Appeal	GAR 326	3	30
Garden Design Workshop	GAR 317	8	31
Basics of Perennial Maintenance	GAR 323	7	31
Growing a Culinary Herb Garden	GAR 329	3	32

**Courses offered in the Fall–Winter catalog.
 Courses with a prerequisite before you can register.
For professional organizations, see p. 55.

Gardening with Tovah Martin

Join us for two special workshops with gardening guru Tovah Martin, the author of over a dozen titles whose work has been featured in numerous publications, including *Country Gardens*, *Martha Stewart Living*, *Better Homes & Gardens*, *Milieu*, and *Gardens Illustrated*.



THE UNEXPECTED HOUSEPLANT

These aren't your grandmother's dowdy, dusty houseplants. These are houseplants with panache! Using lush photographs, Tovah will introduce you to many unusual, beautiful varieties you wouldn't typically consider bringing indoors, including perennials such as *Heuchera* and primroses. We'll also talk about how to bust houseplants out of their plastic past and into a swank future of fun, funky containers with pointers for potting properly.

Friday, 4/26, 10 am–12 pm | Tovah Martin | NYBG 194GAR938 | \$59/\$65

MINDFUL GARDENING

Enhance your gardening experience! Discover how to garden with eyes wide open, ears to the ground, and hands outstretched as Tovah shares insights from her new book, *The Garden in Every Sense and Season*. She will lead you through an odyssey of exploration to awaken the senses and arouse your abilities of perception. When you return home, you'll see your garden anew!

Wednesday, 7/31, 10 am–12 pm | Tovah Martin | NYBG 201GAR939 | \$59/\$65

CERTIFICATE CLASSES

BOTANICAL LATIN

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, 3/11–4/8, 6:15–8:15 pm
Jennifer Bakshi | Manhattan | 193GAR360B

5 Wednesdays, 9/25–10/30 (no class 10/9), 10:30–12:30 pm
Jennifer Bakshi | NYBG | 201GAR360A

\$255/\$279 *Certificate Elective*

FUNDAMENTALS OF GARDENING

This course is also required for the Horticultural Therapy Certificate.

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.

4 Saturdays, 3/9–3/30, 10 am–1 pm
Michael Ruggiero | NYBG | 193GAR301E

4 Tuesdays, 4/2–4/23, 6–9 pm
Manny Grossman | Manhattan | 194GAR301A

4 Tuesdays, 4/16–5/7, 10 am–1 pm
Michael Ruggiero | New Canaan Nature Center, New Canaan, Conn | 194GAR301B

4 Thursdays, 5/2–5/23, 10 am–1 pm
Daryl Beyers | NYBG | 194GAR301C

3 Sundays, 6/9–6/30 (no class 6/16), 10:30 am–3 pm
Renee Marsh | NYBG | 194GAR301D


4 Tuesdays, 7/16–8/6, 6–9 pm
Manny Grossman | Manhattan | 201GAR301E

4 Mondays, 9/16–10/21 (no class 9/30 & 10/14), 6–9 pm
Manny Grossman | Manhattan | 201GAR301F

4 Tuesdays, 9/17–10/8, 10 am–1 pm
Daryl Beyers | NYBG | 201GAR301G

\$295/\$325 *Certificate Requirement*

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, 3/7–3/28, 6:15–9:15 pm
Daryl Beyers | Manhattan | 193GAR342B

\$285/\$315 *Certificate Requirement*



The Orchid Show: SINGAPORE

February 23–April 28, 2019

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

PHALAEOPSIS CARE

Myths abound about how hard it is to care for this ever-popular orchid. Frank Guida dispels those myths with plenty of sensible advice on how to treat your phalaenopsis so that it blooms year after year. Light, water, nutrients, repotting, and root care are all key. You'll pot up a phal to take home, along with the confidence you need to make your orchids thrive.

Saturday, 3/30, 11 am–1 pm
Frank Guida | NYBG | 193GAR213A

\$65/\$75

ORCHIDS: DIVIDE, REPOT, REJUVENATE

Frank Guida, Botanical Art teacher and orchid aficionado, shows you what he's learned from years assisting in NYBG's Nolen Greenhouses about when and how to divide and repot your orchids without trauma (to you or the plants!). Learn about different types of containers and potting media, while you pot up a small orchid to take home. BYOO to repot if you prefer!

Sunday, 4/7, 10 am–12:30 pm
Frank Guida | NYBG | 194GAR213B

\$65/\$75

NEW! ENTERTAINING WITH ORCHIDS

Create a stunning table centerpiece by planting an *Oncidium* Twinkle orchid in a tree fern basket under the expert guidance of Barbara Schmidt, award-winning exhibitor at the Philadelphia Flower Show and author of *Orchid Care: For the Beginner*. You will also learn tips and tricks to care for this particular orchid, as well as others you may have at home.

Saturday, 4/13, 11 am–1 pm
Barbara Schmidt | NYBG | 194GAR213C

\$75/\$85

THE ORCHID SHOW Sponsors:

Mr. and Mrs. Charles M. Royce
LuEsther T. Mertz Charitable Trust
Exhibitions in the Enid A. Haupt Conservatory are made possible by the Estate of Enid A. Haupt.

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, 4/4–4/25, 10 am–1 pm
Manny Grossman | NYBG | 194GAR302A

4 Wednesdays, 8/7–8/28, 6–9 pm
Manny Grossman | Manhattan | 201GAR302B

\$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.

 Prerequisite: *Fundamentals of Gardening*

4 Wednesdays, 5/1–5/22, 10 am–1 pm
Stephen Nocera | NYBG | 194GAR431A

4 Thursdays, 8/8–8/29, 6:15–9:15 pm
Stephen Nocera | NYBG | 201GAR431B

\$265/\$289 *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, 5/29–6/19, 5:15–8:15 pm
Don Gabel | NYBG | 194GAR320

\$285/\$319 *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 Thursdays, 5/30–7/11 (no class 7/4), 5:30–8:30 pm

Mobee Weinstein | NYBG | 194GAR440

\$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.

3 Tuesdays, 5/14–5/28, 6:15–9:15 pm
Brad Roeller | NYBG | 194GAR315A

3 Saturdays, 8/3–8/17, 10 am–1 pm
Brad Roeller | NYBG | 201GAR315B

\$215/\$239 *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 Tuesdays, 8/14–9/11 (no class 9/4), 5:15–8:15 pm
Don Gabel | NYBG | 201GAR324

\$285/\$319 *Certificate Requirement*

OUTDOOR PLANTS

PERENNIAL PLANT COMBINATIONS

Whether in a shady corner or a sunny border, selecting the right plant combinations makes the difference between a ho-hum garden and one that gets rave reviews. Concentrating on perennials, learn to use color, texture, height, and bloom when combining plants to create a harmonious look for your garden come spring. Please bring lunch.

Saturday, 3/23, 10:30 am–3 pm
Michele Langone | NYBG | 193GAR173D

Saturday, 3/30, 10:30 am–3 pm
Sheri Forster | Manhattan | 193GAR173E

\$79/\$85

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 Wednesdays, 3/27 & 4/3, 10:30 am–1 pm
Sheri Forster | NYBG | 193GAR321

\$125/\$139 *Certificate Elective*



VERTICAL GARDENING: VINES & 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.

Thursday, 3/28, 6–9 pm
Doris Loechle | Manhattan | 193GAR146

\$55/\$59

NEW! CUT FLOWER FARMING

Join the cut flower farming revolution! Discover the basics of how to design, plant, grow, and harvest a cutting garden that will be productive throughout the seasons. You'll get hands-on practice starting seeds to ensure you always have something fresh to cut. We will also cover traditional and unexpected annual and perennial cut flower species and varieties that grow well locally.

2 Saturdays, 4/13 & 4/27, 11 am–2 pm
Anne Marie Breyer | NYBG | 194HRT142

\$169/\$185

NEW! WATER GARDENING 101

Incorporating water in your garden, whether it's a fountain, pond, or even a natural wetland, is calming, but selecting suitable water plants can be a challenge! We'll explore which plants will thrive in a wet environment and which plants will help filter the water. We'll also discuss how the foliage, structure, and blooms of a variety of water plants can frame the water feature while enhancing your garden's beauty.

Tuesday, 4/30, 11 am–2 pm
Richard Rosiello | NYBG | 194GAR158

\$55/\$59

WILDFLOWER GARDENING

Discover how to create your very own successful wildflower garden, whether you have a small urban space or a large suburban yard. We'll discuss which native species thrive in our area and which types grow best together. You'll walk away with all the information you need to plant and maintain a beautiful wildflower garden filled with color and life.

Friday, 5/17, 10 am–2:30 pm
Kim Eierman | NYBG | 194GAR110

\$85/\$95

SHADY CHARACTERS

Don't let a lack of sun cast a shadow on your garden! Find out which plants thrive in shady conditions while bringing charm and color. You'll see how to expand your palette from reliable standards such as hosta and plant for architectural and textural interest across the spectrum of trees, vines, shrubs, and perennials. Discover ways to improve issues that shade presents, so that you can cherish your shade as the calming treasure it is.

Saturday, 6/8, 10:30 am–1:30 pm
Lorraine Ballato | NYBG | 194GAR142

\$65/\$69

GARDENING TO ATTRACT POLLINATORS

Pollinators are essential to our environment, accounting for the reproduction of approximately 70% of flowering plants and a significant portion of our food crops. Many pollinators are in steep decline, but you can support and encourage them in your own landscape. Get to know your local bees, beetles, flies, ants, butterflies, moths, and birds. Learn their habitat, forage and host plant requirements, as well as the plant traits that attract them. Come away knowing what you need to do to create a successful pollinator garden this spring.

Saturday, 6/15, 11 am–3:30 pm
Kim Eierman | NYBG | 194GAR114

\$85/\$95

ALL ABOUT BULBS

Since October is the optimum month to plant bulbs, now is the time to decide what will work best in your garden. Martha Stewart's Head Gardener Ryan McCallister is a bulb expert having grown hundreds of thousands on her farm. He'll discuss the biology, cultural needs, and particular habits of a wide variety of bulb types.

Saturday, 9/21, 10 am–1 pm
Ryan McCallister | NYBG | 201GAR220

\$75/\$85

BASIC LANDSCAPE DESIGN FOR GARDENERS

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, 3/7–3/21, 10 am–1 pm
Sheri Forster | New Canaan Nature Center,
New Canaan, Conn. | 193LAN100D

3 Thursdays, 4/4–4/18, 10 am–1 pm
Daryl Beyers | NYBG | 194LAN100A

3 Thursdays, 7/18–8/1, 6:15–9:15 pm
Daryl Beyers | Manhattan | 201LAN100B

3 Mondays, 9/16–10/7 (no class 9/30), 10 am–1 pm
Daryl Beyers | NYBG | 201LAN100C

3 Tuesdays, 9/17–10/1, 6:15–9:15 pm
Kimberly Tryba | Manhattan | 201LAN100D

\$185/\$205

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.

2 Sundays, 3/17 & 3/24, 10 am–2:30 pm
Daryl Beyers | NYBG | 193GAR327B

2 Sundays, 4/14 & 4/28, 10 am–2:30 pm
Renee Marsh | NYBG | 194GAR327A

2 Mondays, 5/6 & 5/13, 10 am–2:30 pm
Daryl Beyers | Manhattan | 194GAR327B

\$229/\$249 *Certificate Elective*

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, 4/6, 10:30 am–1:30 pm
Daryl Beyers | NYBG | 194GAR326

\$55/\$59 *Certificate Elective*

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 come spring.

2 Saturdays, 5/18 & 6/1, 10 am–2:30 pm
Daryl Beyers | NYBG | 194GAR317

\$225/\$249 *Certificate Elective*

INDOOR PLANTS

INDOOR TROPICALS

Are you looking to up your houseplant game? We can help! We'll walk you through many different species with stunning foliage or flowers—including bromeliads and palms—that will bring a hint of the sun-drenched tropics to your home. We'll discuss the light, soil, water, and maintenance requirements of a broad array of plants, so you can select which plants are right for you. You'll even pot up a small tropical to take home.

Saturday, 3/23, 10 am–1 pm
Colin Wright | Manhattan | 193GAR289C

\$95/\$105

BUILDING A GREEN WALL

Would you like to bring the outside inside? Green walls bring a striking beauty to any room, and help create a calm, healthy environment by reducing noise, removing air toxins, and adding moisture and fresh oxygen to your living area. Discover best practices about what hardware, plants, and watering systems to use, while building a small living wall, under the guidance of interior plantscape expert Chris Raimondi.

Saturday, 3/9, 10 am–2 pm
Chris Raimondi | Manhattan | 193LAN120A

Friday, 3/15, 10 am–2 pm
Chris Raimondi | NYBG | 193LAN120B

\$125/\$139



EXPLORE GARDEN HISTORY: Persian and Japanese Design

Join us for two special tours at Untermyer Gardens and the Rockefeller private Japanese Garden at Kykuit.

See page 48 for details.

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.

Sunday, 5/19, 10 am–3:30 pm
John Capobianco | NYBG | 194GAR912A

Saturday, 6/22, 10 am–3:30 pm
John Capobianco | Manhattan | 194GAR912B

\$195/\$215



GARDEN MAINTENANCE

PRUNING: HOW, WHEN, AND WHERE

This one-day course covers the basics of pruning evergreens, deciduous trees, and shrubs, as well as how to maintain the woody plants in your garden. Bring your pruners! We will discuss tool selection and maintenance, while we practice techniques using potted plants (at NYBG) and trees in the landscape (at NCNC). Class is held rain or shine. Please dress for the weather and bring lunch.

Saturday, 3/2, 10 am–3 pm
Ann Perkowski | New Canaan Nature Center,
New Canaan, Conn. | 193GAR236B

Sunday, 3/3, 10 am–3 pm
John Beirne | NYBG | 193GAR236C

\$119/\$129

COMPOST: FOOD FOR YOUR PLANTS!

Explore the basics of how your kitchen and yard waste can be used to improve the quality of soil in your garden, be it on a rooftop, a community plot, or a backyard. Compost provides a clean, safe medium for growing food and supplies the micro-nutrients that plants require to overcome diseases and pests. We'll discuss various methods of composting that improve soil fertility and structure, and weigh the pros and cons of each.

Wednesday, 3/6, 6–8 pm
Claudia Joseph | Manhattan | 193GAR251

\$45/\$49

SOIL BASICS: GET IT RIGHT!

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.

Saturday, 4/6, 2–4 pm
Manny Grossman | NYBG | 194GAR104

\$39/\$45

BASICS OF PERENNIAL MAINTENANCE

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.

Saturday, 4/13, 9 am–4 pm
Michele Langone | NYBG | 194GAR323

\$139/\$155 *Certificate Elective*

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.

Tuesday, 6/4, 10 am–1 pm
Daryl Beyers | New Canaan Nature Center,
New Canaan, Conn. | 194GAR180

\$55/\$59

NEW! MANAGING GARDEN CRITTERS

Rabbits and squirrels and deer? Oh my! Don't give up on gardening out of frustration because uninvited marauders are nibbling the fruits (and shrubs) of your labor! Our gardens are home to many creatures, large and small, and coexisting with them can be a challenge. We will focus on understanding these animals' needs and habits so you can make your yard less appealing, while still maintaining your garden's beauty and bounty. You'll even make an all-natural deer repellent spray to take home!

Saturday, 5/4, 11 am–2 pm
Renee Marsh | NYBG | 194GAR193

\$65/\$75

Get Ready for Spring Vegetable Gardening!

Grow your own veggies and herbs with help from NYBG’s experts. These classes will help you start a vegetable garden, or make the most of the garden you have.

GET MORE FROM YOUR VEGETABLE GARDEN

Abundant and delicious home-grown vegetables can be a huge commitment—so it pays to be smart with your time and labor. Learn techniques such as succession and companion planting, stacking, and vertical growing so you can enjoy a steady harvest, a wide variety of delicious vegetables, and a garden that almost takes care of itself. Imagine that!

Thursday, 3/7, 10:30 am–1:30 pm
Nick Storrs | NYBG | 193GAR134

\$55/\$59

INTENSIVE GROWING TECHNIQUES FOR HOMEGROWN EDIBLES

Learn how to grow more fruits and vegetables in less space by making the most of your growing area and by extending the gardening season. Discover organic methods that take advantage of passive solar heating, vertical space, raised beds, and other techniques. Enjoy nutritious, freshly picked garden produce as early as April and then just keep on picking.

Saturday, 3/2, 10 am–1 pm
Colin Wright | NYBG | 193GAR116A

Saturday, 3/16, 12–3 pm
Colin Wright | Manhattan | 193GAR116B

\$59/\$65

RAISED BED GARDENING

Raised beds are used to grow more vegetables, herbs, or ornamentals in a given area with less effort. They also help to overcome difficult situations such as wet soil, limited space, or poor light. Raised beds are ideal in many therapeutic settings as well, because they elevate the plants, bringing them closer to the patients. Methods of creating raised beds and their aesthetic considerations are discussed.

Saturday, 3/2, 2–4 pm
Nick Storrs | NYBG | 193GAR280

\$39/\$45



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 Tuesdays, 3/12–3/26, 6–9 pm
Annie Novak | Manhattan | 193GAR102

\$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.

Wednesday, 4/17, 2–5 pm
Leda Meredith | NYBG | 194GAR329

\$55/\$59 *Certificate Elective*

MASTERING THE ART OF TOMATO GARDENING

Eagle Street Farm founder Annie Novak covers the tips and tricks of maintaining a healthy, organic, tomato garden in raised beds on your rooftop, in containers on your balcony, or in your backyard garden. In May, get the knowledge you need to decide if heirlooms or hybrids are right for you. Then, learn to start plants from seed, as well as how to transplant, graft, and fertilize properly. In September, learn to maintain your growing garden, by discovering the best ways to create trellises, make a fertilizing regimen, manage pests and diseases, and select and store your most successful plants’ seeds. Sign up for one class or take both. Beginners and pros welcome!

Wednesday, 4/17, 6–9 pm
Annie Novak | Manhattan | 194GAR143A

Wednesday, 9/25, 6–9 pm
Annie Novak | Manhattan | 201GAR143B

\$55/\$59

Illustration: Buffalo Gourd, from *Botanical Art Worldwide: America’s Flora* ©Susan Tomlinson

Garden Varieties: Summer All-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.

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, 3/30, 11 am–2 pm
Frances Palmer | NYBG | 193GAR243

\$55/\$59



©Frances Palmer

NEW! HYDRANGAEA PRUNING: WHAT STAYS, WHAT GOES, AND WHEN

Pruning this plant is one of the most confusing chores in the garden. Time to clear the air once and for all! We’ll dive into the pruning needs of the most common hydrangeas throughout the gardening year. Examine what stays, what goes, and when.

Saturday, 4/27, 10 am–1 pm
Lorraine Ballato | NYBG | 194GAR296

\$55/\$59

LUSH PEONIES

Choosing the right spot to plant your peonies is key to growing large, sumptuous blooms with little to no maintenance. Get tips for planting, cultivating, and propagating this springtime showstopper from Dan Furman of Cricket Hill Garden, affectionately known 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, 5/21, 10 am–1 pm
Daniel Furman | NYBG | 194GAR242

\$55/\$59

All-Day Saturday Gardening Workshops



Vegetable Gardening

APRIL 27 | NYBG

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 | NYBG | 194GAR201B

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.

Manny Grossman | NYBG | 194GAR201C

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.

Renee Marsh | NYBG | 194GAR201D

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

All Three Sections:
NYBG | 194GAR201A | \$99/\$109



©Liz Pulver

All About Containers

MAY 4 | Midtown Education Center

MAY 11 | NYBG

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 | May 4 | Manhattan | 194GAR200B

Daryl Beyers | May 11 | NYBG | 194GAR200F

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.

Nick Gershberg | May 4 | Manhattan | 194GAR200C

Renee Marsh | May 11 | NYBG | 194GAR200G

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 | May 4 | Manhattan | 194GAR200D

Richard Rosiello | May 11 | NYBG | 194GAR200H

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

All Three Sections:
Manhattan | 194GAR200A | \$99/\$109
NYBG | 194GAR200E | \$99/\$109



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Terrace Gardening

JUNE 15 | Midtown Education Center

10 am–12 pm

GREAT PLANTS FOR TERRACE GARDENS

City terraces 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.

Colin Wright | Manhattan | 194GAR226B

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 | 194GAR226C

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.

Christopher Satch | Manhattan | 194GAR226D

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

All Three Sections:
Manhattan | 194GAR226A | \$99/\$109

HORTICULTURE



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*	PAGES
PLANT PRODUCTION—TRACK 1			
Introduction to Plant Science	HRT 300	16	37
Soil Science I: Physical Properties	HRT 301	18	37
Soil Science II: Chemistry and Nutrition	HRT 302	18	37
Horticultural Techniques: Greenhouse Practices**	HRT 312	15	—
Insect Pests of Landscape Plants	HRT 381	18	38
Plant Propagation I: Basic Principles	HRT 411	18	39
Plant Propagation II: Applications**	HRT 412	17	—
Disease Identification & Management	HRT 481	18	39
Nursery and Greenhouse Management**	HRT 491	24	—
TOTAL REQUIRED HOURS		162	

*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. 55.



“A (very) amateur gardener for years, I decided to have a go at a career in horticulture, and enrolled in NYBG’s Sustainable Garden Design Certificate Program. There I found a staff of working professionals who blend theory, their experiences, and an unrivaled outdoor classroom into a solid foundation for professional gardening. The program has equipped me well for both my work as an urban gardener in New York and as a designer with a taste for more rural settings. And every bit of it is fun.”

— TIM NOLAN, 2018 Graduate
Lead Gardener, Folia Gardens











**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 HTRCOORDINATOR@NYBG.ORG










CERTIFICATE REQUIREMENTS (cont.)

COURSE	CODE	HOURS*	PAGE
SUSTAINABLE LANDSCAPE MANAGEMENT —TRACK 2			
Introduction to Plant Science	HRT 300	16	37
Soil Science I: Physical Properties	HRT 301	18	37
Soil Science II: Chemistry and Nutrition	HRT 302 	18	37
Horticultural Techniques: Landscape Gardening	HRT 311 	18	39
Pruning Principles and Practices**	HRT 321 	15	—
Basic Design and Installation of Irrigation Systems	HRT 323	12	39
Starting a Small Landscaping Business**	HRT 349	14	—
Insect Pests of Landscape Plants	HRT 381 	18	38
Tree Management**	HRT 422 	14	—
Landscape Management**	HRT 443 	24	—
Disease Identification & Management	HRT 481 	18	39
Weed Identification & Management**	HRT 482 	12	—
Mathematics for Horticulturists**	HRT 356	6	—
TOTAL REQUIRED HOURS		203	


ARBORICULTURE—TRACK 3

Introduction to Plant Science	HRT 300	16	37
Soil Science I: Physical Properties	HRT 301	18	37
Soil Science II: Chemistry and Nutrition	HRT 302 	18	37
Tree Climbing for Arborists	HRT 304	15	39
Chainsaws: Use, Safety, and Maintenance**	HRT 308	6	—
Pruning Principles and Practices**	HRT 321 	15	—
Landscape Plants: Fall Trees and Shrubs	HRT 331 	12	38
Landscape Plants: Conifers**	HRT 333 	12	—
Landscape Plants: Spring Trees and Shrubs	HRT 334 	12	37
Insect Pests of Landscape Plants	HRT 381 	18	38
Tree Management**	HRT 422 	14	—
Urban Tree Care	HRT 426 	12	39
Winter Tree Identification**	HRT 440 	8	—
Disease Identification & Management	HRT 481 	18	39
TOTAL REQUIRED HOURS		194	

SUSTAINABLE GARDEN DESIGN—TRACK 4

Introduction to Plant Science	HRT 300	16	37
Soil Science I: Physical Properties	HRT 301	18	37
Landscape Plants: Broadleaved Evergreens**	HRT 332 	9	—
Landscape Plants: Spring Trees and Shrubs	HRT 334 	12	37
Landscape Plants: Spring Perennials	HRT 336 	9	38
Landscape Plants: Late Season Perennials & Grasses	HRT 338 	12	38
Landscape Plants: Annuals	HRT 341 	8	38
Landscape Plants: Bulbs	HRT 342 	12	37
Annual and Perennial Garden Maintenance**	HRT 344 	8	—
Plants for Landscaping	HRT 358	16	37
Tropical Plants	HRT 361 	15	38
Sustainable Garden Design	HRT 551 	20	38
Landscape Design History	LAN 301	24	48
Graphics I	LAN 311	24	49
TOTAL REQUIRED HOURS		203	

*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. 55.

INTRODUCTION TO HYDROPONICS

Explore how to grow plants without soil using hydroponics, which promotes fast growth and requires less water and space than conventional gardens. You'll learn what systems work best, which plants to choose, and how to make sure they get proper nutrition. While we will focus primarily on home-scale systems, the wider applications of hydroponics will also be discussed.

5 Tuesdays, 5/14–6/11, 6:15–8:15 pm
Maya Kutz & Kate Lodvikov | NYBG | 194HRT141
\$195/\$215

NEW! CUT FLOWER FARMING

Join the cut flower farming revolution! Discover the basics of how to design, plant, grow, and harvest a cutting garden that will be productive throughout the seasons. You'll get hands-on practice starting seeds to ensure you always have something fresh to cut. We will also cover traditional and unexpected annual and perennial cut flower species and varieties that grow well locally.

2 Saturdays, 4/13 & 4/27, 11 am–2 pm
Anne Marie Breyer | NYBG | 194HRT142
\$135/\$149

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, 7/19 & 7/26, 9 am–1:30 pm
Jessica Arcate Schuler | NYBG | 201HRT140
\$169/\$185



Illustration: American Goldfinch on a Sunflower, ©Sarah Wry, NYBG Instructor



CERTIFICATE CLASSES

These classes are also open to Non-Certificate students.

INTRODUCTION TO PLANT SCIENCE

ALL TRACKS
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, 3/26–5/7🔗, 10 am–12:40 pm
Manny Grossman | NYBG | 193HRT300A
7 Saturdays, 4/13–6/8🔗 (no class 4/20 & 5/25), 2–5 pm
Manny Grossman | NYBG | 194HRT300B

3 Mondays and 4 Thursdays, 5/6–5/30🔗 (no class 5/27), 6–8:40 pm
Manny Grossman | Manhattan | 194HRT300C

4 Mondays and 3 Thursdays, 7/29–8/19🔗, 6–8:40 pm
Manny Grossman | Manhattan | 201HRT300D

7 Saturdays, 9/14–11/2🔗 (no class 10/12), 10 am–12:40 pm
Christopher Satch | Manhattan | 201HRT300E

7 Thursdays, 9/19–10/31🔗, 10:30 am–1:10 pm
Anya Paltseva | NYBG | 201HRT300F
\$395/\$435

🔗 Exam on last class date


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. Through lectures and labs using microscopes, learn irrigation and drainage techniques and explore how soil, organic matter, and microbiology relate to plant health and soil conservation.

7 Thursdays, 3/14-4/25🔗, 10:30 am–1:30 pm
Anya Paltseva | NYBG | 193HRT301D
7 Wednesdays, 6/12–7/31🔗 (no class 7/3), 6–9 pm
Manny Grossman | Manhattan | 194HRT301A
7 Thursdays, 6/13–8/1🔗 (no class 7/4), 10 am–1 pm
Manny Grossman | NYBG | 194HRT301B


7 Thursdays, 9/19–10/31🔗, 2–5 pm
Anya Paltseva | NYBG | 201HRT301C
\$455/\$495

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

Learn how to nurture the soil so it can sustain your plants. Go beyond basic soil chemistry, by understanding the ionic exchange capacities of soil, as well as how a soil's pH affects what nutrients are available to plants. Explore the complex nitrogen cycle, and the use of composted soil amendments, and fertilizers. In addition, analyze your own soil sample, and discover how soil and plant tissue tests can help monitor plant nutrition and health.
 Prerequisite: *Soil Science I*

7 Mondays, 4/1–5/13🔗, 10 am–1 pm
Anya Paltseva | NYBG | 194HRT302
\$395/\$445

LANDSCAPE PLANTS: BULBS TRACK 4

This course is designed for horticulturists, gardeners, or designers who want to learn to identify and classify familiar and unusual spring-, summer-, and autumn-flowering bulbs. We will also focus on understanding their biology.  Prerequisite: *Introduction to Plant Science*

7 Wednesdays, 3/13–4/24🔗, 4–6 pm
Marta McDowell | NYBG | 193HRT342A
7 Thursdays, 3/14–5/2🔗 (no class 4/11), 4:30–6:30 pm
Michael Hagen | NYBG | 193HRT342S
\$295/\$325

PLANTS FOR LANDSCAPING TRACK 4

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.

6 Saturdays, 3/30–5/11 (no class 4/20), 10 am–12:40 pm
Valerie D'Antonio | NYBG | 193HRT358C

6 Tuesdays, 5/14–6/18, 10 am–12:40 pm
Michael Ruggiero | New Canaan Nature Center, New Canaan CT | 194HRT358A


5 Saturdays, 6/1–6/29, 10:30 am–1:45 pm
Vincent Simeone | NYBG | 194HRT358B

6 Tuesdays, 9/17–10/29 (no class 10/8), 6:15–8:50 pm
Michael Ruggiero | NYBG | 201HRT358C

6 Fridays, 9/20–10/25, 10 am–12:40 pm
Valerie D'Antonio | NYBG | 201HRT358D
\$395/\$435

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*

5 Saturdays, 4/6–5/18🔗, (no class 4/20 & 4/27), 11 am–2 pm
Vincent Simeone | NYBG | 194HRT334A


5 Wednesdays, 4/10–5/8🔗, 10 am–1 pm
Michael Ruggiero | NYBG | 194HRT334B

5 Thursdays, 4/11–5/9🔗, 1:30–4:30 pm
Michael Ruggiero | NYBG | 194HRT334C


5 Thursdays, 4/11–5/9🔗, 5–8 pm
Michael Ruggiero | NYBG | 194HRT334D
\$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 Sundays, 4/28–5/19, 10:30 am–1:30 pm
Manny Grossman | NYBG | 194HRT336A


4 Fridays, 5/17–6/14, (no class 5/24), 10 am–1 pm
Michael Ruggiero | NYBG | 194HRT336B

4 Wednesdays, 6/5–6/26, 4:30–7:30 pm
Katie Bronson | NYBG | 194HRT336S

\$219/\$239


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, 7/9–8/27, 5–7:10 pm
Songsuk Kim | NYBG | 201HRT361A

\$355/\$395

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 Wednesdays, 7/10–8/7, 10:30 am–12:30 pm
Michael Ruggiero | NYBG | 201HRT341A


5 Saturdays, 7/13–8/10, 12–2 pm
Michael Ruggiero | NYBG | 201HRT341B

\$195/\$215

LANDSCAPE PLANTS: LATE SEASON PERENNIALS & GRASSES TRACK 4
Formerly *Landscape Plants: Summer and Fall Perennials*

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 and grasses. Please dress appropriately for outdoors.  Prerequisite: *Introduction to Plant Science*


5 Wednesdays, 9/4–10/2, 4:30–7:30 pm
Adam Dooling | NYBG | 201HRT338S


5 Saturdays, 9/14–10/19, (no class 10/12), 11 am–2 pm
Bill Kolvek | NYBG | 201HRT338A


5 Tuesdays, 9/24–10/22, 10 am–1 pm
Michael Ruggiero | NYBG | 201HRT338B


\$295/\$325

LANDSCAPE PLANTS: FALL TREES AND SHRUBS TRACK 3

Explore how to identify and use major groups of shade trees and shrubs native to and hardy in our region in the landscape, including *Acer*, *Quercus*, and *Viburnum*, which are particularly ornamental in fall. The class goes out on the Garden grounds rain or shine.  Prerequisite: *Introduction to Plant Science*


5 Sundays, 9/15–10/27, (no class 9/29 & 10/13), 10 am–1 pm
Michael Ruggiero | NYBG | 201HRT331A

5 Sundays, 9/15–10/27, (no class 9/29 & 10/13), 1:30–4:30 pm
Michael Ruggiero | NYBG | 201HRT331B

7 Wednesdays, 9/25–11/13, (no class 10/9), 4:30–6:30 pm
Michael Ruggiero | NYBG | 201HRT331C

\$295/\$325


SUSTAINABLE GARDEN DESIGN TRACK 4


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.  Prerequisites: *Graphics I*, *Landscape Plants: Annuals*, *Landscape Plants: Spring Perennials* and *Landscape Plants: Late Season Perennials & Grasses*


7 Saturdays, 10/26–12/14 (no class 11/30), 10 am–12:50 pm
Laura McKillop | NYBG | 202HRT551

\$485/\$535


INSECT PESTS OF LANDSCAPE PLANTS TRACKS 1, 2, & 3

Learn to identify the insects common to the northeastern United States that feed on woody and herbaceous plants and the damage that they cause. Learn to judge the severity of an infestation and to select and implement control measures based on the insect's biology.  Prerequisite: *Introduction to Plant Science*


7 Wednesdays, 5/8–6/26, (no class 5/29), 12:30–3:30 pm
Mark Kokinchak | NYBG | 194HRT381S

7 Thursdays, 5/9–6/27, (no class 5/23), 4:30–7:30 pm
Don Gabel | NYBG | 194HRT381A


\$435/\$479


 Exam on last class date

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, 4/10–5/22, 4:30–7:30 pm
Mark Kokinchak | NYBG | 194HRT481A

7 Wednesdays, 9/4–10/23, (no class 10/9), 12:30–3:30 pm
Mark Kokinchak | NYBG | 201HRT481S

7 Saturdays, 9/14–11/2, (no class 10/12), 10 am–1 pm
Mark Kokinchak | NYBG | 201HRT481B

\$475/\$495


BASIC DESIGN AND INSTALLATION OF IRRIGATION SYSTEMS TRACK 2


Learn how to design, install, and maintain conventional, specialty drip, and micro-drip irrigation systems. Drip systems are useful for rooftop and terrace gardens, planters, raised beds, and many landscape and nursery production systems. We will cover basic hydraulics and review the best irrigation products. Learn to troubleshoot, practice visual maintenance, and identify service requirements. Design books supplied. Please bring lunch.

Thursday & Friday, 3/7 & 3/8, 10 am–4:30 pm
Steve Dobossy | NYBG | 193HRT323

\$295/\$329

HORTICULTURAL TECHNIQUES: LANDSCAPE GARDENING TRACK 2

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

7 Tuesdays, 3/12–4/23, 4:30–7:30 pm, and Tuesday, 3/26, 10 am–4 pm, (rain date 3/27, 10 am–4 pm)
Mabee Weinstein | NYBG | 193HRT311P


\$455/\$495




Don't miss this all-day interactive workshop with acclaimed British garden designer/writer, Noel Kingsbury.

See page 47 for details.

PLANT PROPAGATION I: BASIC PRINCIPLES TRACK 1


Learn the principles and techniques of plant propagation by seed and cuttings. Explore the basics of sexual and asexual propagation, with attention to fruit development, seedling production, root initiation, stem and leaf cuttings, and layering. Materials included.  Prerequisite: *Introduction to Plant Science* (or approval of the Program Coordinator)

7 Mondays, 4/15–6/3, (no class 5/27), 6–9 pm
Michael Ruggiero | NYBG | 194HRT411A

7 Tuesdays, 7/9–8/20, 5:45–8:45 pm
Nick Storrs | Manhattan | 201HRT411B

7 Sundays, 7/14–8/25, 10 am–1 pm
Michael Ruggiero | NYBG | 201HRT411C

7 Mondays, 9/16–11/11, (no class 9/30 & 10/14), 5:45–8:45 pm
Mabee Weinstein | NYBG | 201HRT411S

7 Tuesdays, 9/17–11/5, (no class 10/8), 5:45–8:45 pm
Nick Storrs | NYBG | 201HRT411P

\$479/\$525


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, 6/8–6/22 (rain date 6/29), 9 am–2:30 pm
Julian Picciano and Francisco Davila | NYBG 194HRT304

\$395/\$435

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 Saturdays, 7/13–8/10, 11 am–2 pm
Julian Picciano | NYBG | 201HRT426

\$295/\$325




NEW!

Sustainability Intensive Workshop

NYBG's first-ever horticulture intensive provides a comprehensive introduction to current best practices in sustainable horticulture for our region. You'll learn how an informed approach to managing soil, site hydrology, and pests—coupled with choosing the right plants—can reduce the need for supplemental irrigation and pesticides while creating healthier, more beautiful gardens.

Taught by the NYBG Horticulture team in partnership with guest experts from across the Northeast, this information packed, week-long workshop will provide a firm foundation in five key areas: site assessment, soil management, hydrology, plant selection, and pest management. Each subject will be taught using case studies of projects where ecological design and sustainable practices have been successfully implemented.

Students who attend all sessions and complete a final project that reflects a thorough understanding of the principles of sustainable horticulture will receive an official NYBG Award of Completion.  Prerequisite: *Introduction to Plant Science*, *Soil Science I*, and *Plants for Landscaping*

Available CEUs: DEC, ISA, ASLA, APLD, SER
Monday–Friday, 9/30–10/4, 9 am–3 pm
NYBG | 201HRT490
\$995/\$1,095

Support generously provided by David G. Tisch

HORTICULTURAL THERAPY



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 | June 10–August 24

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.

Introduction to Horticultural Therapy

Monday, Wednesday & Friday, 6/10, 6/12 & 6/14,
10 am–3:30 pm | 194THR301B

Monday, Wednesday & Friday, 7/15, 7/17 & 7/19,
10 am–3:30 pm | 201THR301C

Horticultural Therapy for Older Adults

Monday, Wednesday & Friday, 6/17, 6/19 & 6/21,
10 am–3:30 pm | 194THR401

Horticultural Therapy for Physical Rehabilitation

Monday, Wednesday & Friday, 6/24, 6/26 & 6/28,
10 am–3:30 pm | 194THR403B

Horticultural Therapy for Exceptional Youth

Monday, Wednesday & Friday, 7/8, 7/10 & 7/12,
10 am–3:30 pm | 201THR402

Activities Analysis for Horticultural Therapy

Saturdays, 7/13–7/27,
10 am–3:30 pm | 201THR407

Horticultural Therapy in Behavioral Health Settings

Monday, Wednesday & Friday, 7/22, 7/24 & 7/26,
10 am–3:30 pm | 201THR404

Horticultural Therapy Methods and Materials

Tuesday, Thursday & Saturday 7/30, 8/1 & 8/3,
10 am–3:30 pm | 201THR406

Garden Design for Special Populations

Fridays, 8/9–8/23,
10 am–3:30 pm | 201THR408B

Horticultural Therapy Program Management

3 Saturdays, 8/10–8/24,
10 am–3:30 pm | 201THR409B

Site visits are also scheduled in July and August. See class listings on page 43 for descriptions, instructors, and fees.



“Thinking of a possible second career, I enrolled in NYBG’s Horticultural Therapy Program. I loved that my instructors were practitioners in their fields. The assignments were stimulating, challenging and pulled everything together. I now provide my hort therapy services at a nursing home in New Rochelle and I’m excited about the many opportunities to apply what I’ve learned.”

— JUNE HESLER, 2018 Graduate

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.















Phyllis D’Amico, HTM, Program Coordinator


Anne Meore, HTR, Program Advisor

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

CERTIFICATE REQUIREMENTS

Certificate students must complete 189 course hours (189 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 2, 2019, all internship documentation must be submitted to the Registration Office by May 10, 2019.

COURSE	CODE	HOURS	PAGE
Introduction to Horticultural Therapy	THR 301	15	42
Horticultural Therapy for Exceptional Youth	THR 402 	15	43
Horticultural Therapy for Physical Rehabilitation	THR 403 	15	42
Horticultural Therapy for Older Adults	THR 401 	15	42
Fundamentals of Gardening	GAR 301	12	28
Horticultural Therapy in Behavioral Health Settings	THR 404 	15	43
Horticultural Therapy Methods and Materials	THR 406 	15	43
Activities Analysis for Horticultural Therapy	THR 407 	15	43
Introduction to Plant Science	HRT 300	16	37
Plant Propagation I: Basic Principles	HRT 411 	18	39
Garden Design for Special Populations	THR 408 	15	43
Horticultural Therapy Program Management	THR 409 	15	43
Horticultural Therapy Site Visits (see list below)		8	43
TOTAL REQUIRED HOURS		189	
SITE VISITS	CODE	HOURS	PAGE
NYU Langone Medical Center, Therapeutic Horticulture Services	THR 525 	4	43
The HSNY's GreenHouse Program on Rikers Island	THR 537 	6	43
Cardinal Cooke Health Center	THR 528 	4	43
Good Samaritan Regional Medical Center: The Garden of Hope	THR 546 	4	43
Bridge Medical Center	THR 531 	4	43

 Courses with a prerequisite before you can register



COLLEGE CREDIT RECOMMENDATION

National College Credit Recommendation Service (NCCRS) recognizes the nine Horticultural Therapy courses to be the equivalent of college level instruction. In order to apply for one college credit hour per course, a passing grade of C or better is required. NYBG recommends you pass all 9 courses before applying for college credit, at which time you will pay a \$45 administrative fee to NYBG and a \$52 application & transcript fee to Excelsior. For more info, call the Registration Office at 718.817.8747.

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 55 for more information.

INTRODUCTION TO HORT 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.

3 Saturdays, 3/30–4/13, 10 am–3:30 pm
Anne Meore, HTR | NYBG | 193THR301D

3 Saturdays, 6/1–6/15, 1 Saturday, 6/8 at NYBG, 10 am–3:30 pm
Matthew Wichrowski, HTR | Manhattan | 194THR301A


Monday, Wednesday, & Friday, 6/10, 6/12, & 6/14, 10 am–3:30 pm
Anne Meore, HTR | NYBG | 194THR301B

Monday, Wednesday, & Friday, 7/15, 7/17, & 7/19, 10 am–3:30 pm
Anne Meore, HTR | NYBG | 201THR301C

3 Saturdays, 9/14–9/28, 10 am–3:30 pm
Anne Meore, HTR | NYBG | 201THR301D

\$375/\$415

HORT 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.  Prerequisite: *Introduction to Horticultural Therapy*

3 Saturdays, 5/4–5/18, 10 am–3:30 pm
Matthew Wichrowski, HTR | NYBG | 194THR403A

Monday, Wednesday, & Friday, 6/24, 6/26, & 6/28, 10 am–3:30 pm
Matthew Wichrowski, HTR | NYBG | 194THR403B

\$419/\$459

HORT THERAPY FOR OLDER ADULTS

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.  Prerequisite: *Introduction to Horticultural Therapy*

Monday, Wednesday, & Friday, 6/17, 6/19, & 6/21, 10 am–3:30 pm
Kathy Brechner, HTR | NYBG | 194THR401

\$395/\$435

SITE VISITS

Tour some of the organizations practicing Horticultural Therapy in the New York area. Get a close-up look on their day-to-day practices.

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

THE HORT SOCIETY OF NEW YORK'S GREENHOUSE PROGRAM ON RIKERS ISLAND

Hands-on healing and learning through horticulture takes place at The Hort's GreenHouse program on Rikers Island. Designed and built by individuals who are incarcerated 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 participants at the GreenHouse.

Thursday, 3/7, 6:30 am–1 pm
Hilda Krus, HTR | Off site | 193THR537B

Wednesday, 7/31, 6:30 am–1 pm
Hilda Krus, HTR | Off site | 201THR537A

\$135/\$149


CARDINAL COOKE HEALTH CENTER

Visit a 720-bed chronic and long-term care facility that serves geriatric patients, patients with AIDS, Alzheimer's disease, dementia, Huntington's disease, and patients on short-term rehabilitation. Students will accompany the horticultural therapist on rounds to a variety of units. Lunch is available on-site. Travel directions are mailed with your confirmation letter.

Tuesday, 3/19, 10:30 am–2:30 pm
Donna Arabian, HTR | Off site | 193THR528

\$135/\$149

HORT 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.  Prerequisite: *Introduction to Horticultural Therapy*

Monday, Wednesday, & Friday, 7/8, 7/10, & 7/12, 10 am–3:30 pm
Phyllis D'Amico, HTM | NYBG | 201THR402

\$419/\$459

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

NEW! BRIDGE MEDICAL CENTER

The third largest public hospital in the US, Bridge Medical Center has a robust horticultural therapy program that's over 25 years old. Residents plant, propagate, and maintain plants in the Greenhouse, as well as create plant-based craft projects for display at the center. Tour the facility and take part in HT programming.

Tuesday, 6/18, 10:30 am–2:30 pm
Ilona Toth | Off site | 194THR531

\$135/\$149

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, 5/14, 8:30 am–1 pm
Matthew Wichrowski, HTR, and staff | Off site 194THR525A

Tuesday, 7/16, 8:30 am–1 pm
Matthew Wichrowski, HTR, and staff | Off site 201THR525B

\$135/\$149


GOOD SAMARITAN REGIONAL MEDICAL CENTER: THE GARDEN OF HOPE

With its 32' x 40' growing space for edible and sensory plantings, The Garden of Hope offers HT 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 therapeutic techniques specific to programming in outdoor spaces.

Monday, 8/12 (Rain date: Tuesday, 8/13), 9:30 am–2:30 pm
Anne Meore, HTR | Off site | 201THR546

\$135/\$149

ACTIVITIES ANALYSIS FOR HORT THERAPY


For horticultural therapy to be most effective, activities must be structured so a client's progress can be clearly measured and assessed. Using a variety of activities, 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.  Prerequisite: *Horticultural Therapy for Physical Rehabilitation*

3 Saturdays, 7/13–7/27, 10 am–3:30 pm
Abby Jaroslow, HTR | NYBG | 201THR407

\$419/\$459

HORT 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.

 Prerequisite: *Introduction to Horticultural Therapy*

Tuesday, Thursday, & Friday, 7/23, 7/25, & 7/26, 10 am–3:30 pm
Erin Backus, HTR | NYBG | 201THR404

\$419/\$459

GARDEN DESIGN FOR SPECIAL POPULATIONS


Discover how to design, renovate, and evaluate both interior and exterior gardens so they can be effective catalysts for health, inclusion, and therapy. Learn the latest research in health care garden design, common design principles, and what accommodations are needed for different target populations.  Prerequisite: *Horticultural Therapy for Physical Rehabilitation*

4 Wednesdays, 3/13–4/3, 6–9 pm, and 1 Saturday, 3/16, NYBG, 10 am–1 pm
Nancy Minich, HTR, RLA | Manhattan | 193THR408

3 Fridays, 8/9–8/23, 10 am–3:30 pm
Nancy Minich, HTR, RLA | NYBG | 201THR408B

\$395/\$435

HORT THERAPY METHODS AND MATERIALS


Evaluate tools, equipment, and techniques used by participants in HT activities. Design adaptive tools and assistive devices through problem-solving activities. Explore Garden grounds and expand your ability to select plants for specific therapeutic programming needs.  Prerequisite: *Horticultural Therapy for Physical Rehabilitation*

3 Wednesdays, 4/10–4/24, 5:30–8:30 pm, and 1 Saturday, 4/27, 10 am–3:30 pm
Phyllis D'Amico, HTM, and John Beirne, HTR NYBG | 194THR406

Tuesday, Thursday, & Saturday, 7/30, 8/1, & 8/3, 10 am–3:30 pm
Phyllis D'Amico, HTM, and John Beirne, HTR NYBG | 201THR406

\$419/\$459

HORT 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.  Prerequisite: *Behavioral Health Settings*

3 Saturdays, 5/4–5/18, 10 am–3:30 pm
Pat Czarnecki, HTR | NYBG | 194THR409

3 Saturdays, 8/10–8/24, 10 am–3:30 pm
Pat Czarnecki, HTR | NYBG | 201THR409B

\$419/\$459

LANDSCAPE DESIGN

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.

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 8–August 9

In five weeks, earn more than 30% of 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!

CLASSES

Landscape Design History | Graphics I and II | Landscape Design I | Basic Plant ID
Plants for Landscaping | NYBG Curator-Led Tours | Off-Site Garden Visits
Guest Designer Presentations | Open Studio Time

Monday–Friday, July 8–August 9, 9 am–5 pm | NYBG | 201LAN960

TUITION AND REFUNDS

\$3,865 (Member) / \$4,249 (Non-Member)

A \$1,285 non-refundable deposit is due at registration.

All materials needed for *Graphics I* and *II* are provided.

An optional payment schedule is available if requested. \$1,285 is due at registration; 2nd payment is due May 20, final payment Monday, June 17, 2019. No refunds after Monday, June 17, 2019.

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

Class size is limited for individualized attention. Enroll now!



“At NYBG, I discovered more than a challenging curriculum: outstanding instructors, a community of nature enthusiasts, and inspiration through the ever-changing garden grounds. The Landscape Design Program gave me a strong foundation for lifelong learning aligned with my philosophy of a sustainable relationship with nature. As a result, my curiosity and passion for plants, art, and design evolved into an exciting and fulfilling new career as a landscape designer.”

— ANDREA SPUNBERG, 2018 Graduate
Landscape Designer,
Leslie Needham Design LLC



**GET NYBG
CERTIFIED**

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
William Harris Einhorn, Program Advisor

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



CERTIFICATE REQUIREMENTS

COURSE	CODE	HOURS	PAGE
TIER 1 – INTRODUCTORY CLASSES			
Landscape Design History	LAN 301	24	48
Graphics I	LAN 311	24	49
Landscape Measurement	LAN 340	12	48
Landscape Plants: Fall Trees and Shrubs	HRT 331 P	12	38
Landscape Plants: Spring Trees and Shrubs	HRT 334 P	12	37
Plants for Landscaping	HRT 358	16	37
TIER 2			
Landscape Design I: Site Analysis and Schematic Design	LAN 401 P	24	48
Landscape Design II: Design Development	LAN 402 P	24	49
Estimating**	LAN 380 P	9	—
Graphics II	LAN 411 P	24	49
Grading**	LAN 421 P	24	—
Site Materials and Details	LAN 422 P	24	49
TIER 3			
Drainage	LAN 425 P	12	49
Graphics III	LAN 417 P	24	49
Landscape Design III: Planting Design	LAN 403 P	24	49
Professional Practice for Landscape Designers	LAN 485 P	12	49
Landscape Design IV: Design and Construction	LAN 520 P	33	49
Portfolio and Presentation Skills	LAN 555 P	15	49
TOTAL REQUIRED HOURS		349	

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

For professional organizations, see p. 55.

STUDENT INFORMATION

In addition to the course fees listed, students should anticipate spending approximately \$700 on class materials while completing their Certificate. Students should expect that homework will be assigned in most courses.

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, 3/7–3/21, 10 am–1 pm
Sheri Forster | New Canaan Nature Center,
New Canaan, Conn. | 193LAN100D

3 Thursdays, 4/4–4/18, 10 am–1 pm
Daryl Beyers | NYBG | 194LAN100A

3 Thursdays, 7/18–8/1, 6:15–9:15 pm
Daryl Beyers | Manhattan | 201LAN100B

3 Mondays, 9/16–10/7 (no class 9/30), 10 am–1 pm
Daryl Beyers | NYBG | 201LAN100C

3 Tuesdays, 9/17–10/1, 6:15–9:15 pm
Kimberly Tryba | Manhattan | 201LAN100D

\$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.

Friday, 3/29, 10 am–1 pm
Jan Johnsen | NYBG | 193LAN160

\$59/\$65

NEW! DECORATIVE VEGETABLE GARDENS

Explore the origins of vegetable gardens and view examples of beautiful and productive ones in the U.S. and abroad—from Monticello in Virginia and Villandry in France to Babylonstoren in South Africa, whose contemporary, formal gardens boast over 300 plant varieties, each of which is either edible or has medicinal value. We will also discuss fencing, plant supports, and imaginative layouts, as well as the specific plants used in the designs.

Tuesday, 4/23, 10 am–1 pm
Florence Boogaerts | NYBG | 194LAN248

\$59/\$65

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.

Monday, 4/22, 6–8 pm
Hanna Packer | Manhattan | 194LAN110

\$59/\$65

BASIC PLANT ID

Are you a plant-lover eager to up your game and start distinguishing one species from another? Then this is the class for you! Using commonly known plants, you'll learn the terminology used to describe their growing habits and structures. This vocabulary will help you recognize and describe key differences in plant forms, from roots to fruits. We'll also cover basic botanical nomenclature.

2 Tuesdays, 6/18 & 6/25, 5–8 pm
Katie Bronson | NYBG | 194BOT308B

Saturday, 7/27, 10 am–4 pm
Elle Barnes | Manhattan | 201BOT308C

\$145/\$159

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.

Wednesday, 5/22, 6–8 pm
Hanna Packer | Manhattan | 194LAN112

\$59/\$65

LIGHTING DESIGN WORKSHOP

When the sun goes down, the art of landscape lighting can bring a painterly or even sculptural transformation to your design. This course explores the art of landscape lighting from selection and placement to color and composition. Learn the technical aspects of LED and low-voltage lights and how to create a professional-quality lighting plan.

2 Fridays, 6/7 & 6/14, 10 am–2:30 pm
Gary Novasel | NYBG | 194LAN158

\$229/\$249

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, 7/19 & 7/26, 9 am–1:30 pm
Jessica Arcate Schuler | NYBG | 201HRT140

\$169/\$185



The Rabbit's Eye View:
A Workshop with Noel Kingsbury

Internationally celebrated garden designer/writer **Dr. Noel Kingsbury** gets students down on hands and knees to explore and understand how perennials are linked to their natural habitats and ecology—and how gardeners and designers can use that knowledge to help their plants survive and thrive for maximum interest with minimum maintenance. This engaging full-day workshop encourages participants at all levels to closely observe garden and landscape plants, focusing on their growth and competitiveness throughout the year, their prospects for longevity, and their suitability for a variety of garden locations. Best known for an ecological or naturalistic approach to planting design, Dr. Kingsbury has written 20 books on plants and gardens, three of them in collaboration with Dutch designer/plantsman Piet Oudolf.

Tuesday, 6/10, 10 am–4 pm | Noel Kingsbury | NYBG | 194LAN913 | \$225/\$249

BUILDING A GREEN WALL

Would you like to bring the outside inside? Green walls bring a striking beauty to any room, and help create a calm, healthy environment, by reducing noise, removing air toxins, and adding moisture and fresh oxygen to your living area. Discover best practices about what hardware, plants, and watering systems to use, while building a small living wall under the guidance of interior plant scape expert Chris Raimondi.

Saturday, 3/9, 10 am–2 pm
Chris Raimondi | Manhattan | 193LAN120A

Friday, 3/15, 10 am–2 pm
Chris Raimondi | NYBG | 193LAN120B

\$125/\$139

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, 6/6, 10 am–2:30 pm
Jan Johnsen | NYBG | 194LAN169

\$119/\$129

CITY ROOF DESIGN

Throughout the world, city roofs are becoming greener and used year-round, offering a significant opportunity for landscape designers. Learn the special requirements and challenges of roof gardens and discuss roof garden horticulture, maintenance, and technology, including the basics of design.

Monday, 9/16, 6:15–8:15 pm
Hanna Packer | Manhattan | 201LAN175A

\$59/\$65



EXPLORE GARDEN HISTORY:
Persian and Japanese Design



Visit the Walled Garden, envisioned as paradise on Earth.

NEW! **INTERMYER: A CONTEMPORARY PERSIAN GARDEN**

Envisioned to make paradise manifest on Earth, Persian gardens are known for their masterful use of geometry and water. Explore how this garden design style evolved from antiquity through the 19th century with Stephen F. Byrns, founder of the Untermyer Gardens Conservancy. He will discuss the architecture and spatial development of the gardens, as well as their intended spiritual and symbolic meaning. Then, we will travel together to explore the newly restored Untermyer Gardens in Yonkers on a guided tour that highlights both history and horticulture.

Friday, 9/27, 10 am–3:30 pm
Steve F. Byrns and Batya Gorin | NYBG & Untermyer Gardens | 201LAN912

\$175/\$195



Uneven paving stones encourage mindfulness at Kykuit.

ADAPTING THE JAPANESE GARDEN FOR THE AMERICAN LANDSCAPE

Join Stephen Morrell for an in-depth look at the beauty and simplicity of Japanese gardens, and enjoy a rare opportunity to tour the Rockefeller Japanese Garden, one of the East Coast’s finest examples. We’ll begin the day at NYBG discussing the evolution of centuries-old design principles that inform Japanese gardens and how they can be adapted in America. In the afternoon, we’ll travel to the Japanese Garden at Pocantico in Westchester for an intimate tour and tea ceremony demonstration in the sukiya-shoin style tea house designed by the renowned architect Junzo Yoshimura. *Class size is limited.*

Monday, 6/24, 9:30 am–3:30 pm
Stephen Morrell | NYBG | 194LAN159

\$195/\$215

Photo by Jessica Norman

CERTIFICATE CLASSES

These classes are also open to Non-Certificate students.

LANDSCAPE DESIGN HISTORY

This course is also required for the Horticulture Certificate TRACK 4.

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 Mondays, 3/18–5/13🔒, 6:15–9:15 pm
Mark Bunnell, RLA | Manhattan | 193LAN301E

8 Fridays, 3/22–5/10, 10 am–1 pm
Caitlin Merritt | NYBG | 193LAN301F

9 Tuesdays, 9/17–11/19🔒 (no class 10/8),
6:15–9:15 pm
Mark Bunnell, RLA | Manhattan | 201LAN301A

9 Wednesdays, 9/18–11/20🔒 (no class 10/9),
10 am–1 pm
Paula Capps | NYBG | 201LAN301B

\$595/\$655 *Certificate Requirement*

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 Thursdays, 4/25–6/13, 6:15–9:15 pm
Michelle Lin-Luse | Manhattan | 194LAN401

\$575/\$635 *Certificate Requirement*

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, 4/28–5/19, 1:30–4:30 pm
Wayne Cahilly | NYBG | 194LAN340A

4 Saturdays, 4/6–5/4 (no class 4/20),
(Rain date 5/11), 10 am–1 pm
Sarah Hettinger | NYBG | 194LAN340B

4 Saturdays, 9/14–10/5, (rain date 10/19) 10 am–1 pm
Wayne Cahilly | NYBG | 201LAN340C

\$295/\$329 *Certificate Requirement*

GRAPHICS I

This course is also required for the Horticulture Certificate TRACK 4.

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.

8 Thursdays, 4/4–5/23, 10 am–1 pm
William Harris Einhorn, RLA | NYBG | 194LAN311A

8 Tuesdays, 5/7–6/25, 6:15–9:15 pm
Gustavo Capparelli | NYBG | 194LAN311B

Monday–Thursday, 7/8–7/18, 6–9 pm
Jennifer Nitzky | Manhattan | 201LAN311C

8 Thursdays, 10/3–12/12 (no class 11/7 & 11/14),
6–9 pm
Jennifer Nitzky | Manhattan | 202LAN311D

\$595/\$655 *Certificate Requirement*

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*

8 Wednesdays, 4/3–5/29 (no class 5/1), 6–9 pm
Jennifer Nitzky | Manhattan | 194LAN411A

8 Wednesdays, 5/8–6/26, 10 am–1 pm
Gustavo Capparelli | NYBG | 194LAN411B

8 Tuesdays, 9/24–11/19 (no class 10/8),
6:15–9:15 pm
William Harris Einhorn, RLA | NYBG | 201LAN411C

\$595/\$655 *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 Thursdays, 3/7–5/16, 3–6 pm
Liz Pulver | NYBG | 193LAN520B

\$829/\$909 *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 charrettes and individualized projects. Both print and electronic media presentations will be discussed. 📌 Prerequisite: *Landscape Design III*

5 Tuesdays, 3/12–4/9, 6:15–9:15 pm
Blythe Yost | NYBG | 193LAN555

\$379/\$415 *Certificate Requirement*

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. 📌 Prerequisites: *Landscape Measurement* and *Landscape Design I*

2 Wednesdays, 3/13 & 3/20, 3–6 pm, &
1 Saturday, 3/16, 10 am–4:30 pm
Alice Eckerson | NYBG | 193LAN425

2 Wednesdays, 6/5 & 6/12, 3–6 pm, &
1 Saturday, 6/8, 10 am–4:30 pm
Alice Eckerson | NYBG | 194LAN425A

\$295/\$325 *Certificate Requirement*

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 Wednesdays, 3/13–5/1, 6:15–9:15 pm
David McConnell | NYBG | 193LAN402B

8 Wednesdays, 9/11–11/13 (no class 9/25 & 10/9),
10 am–1 pm
Leslie Needham | NYBG | 201LAN402A

\$575/\$635 *Certificate Requirement*

SITE MATERIALS AND DETAILS

Learn the basic principles of constructing residential landscape features such as walks, steps, simple decks, garden structures, walls, and benches. Study landscape construction standards, techniques, and commonly used materials, and learn to draft construction details. 📌 Prerequisite: *Graphics II*

8 Mondays, 3/18–5/6, 10 am–1 pm
William Harris Einhorn, RLA | NYBG | 193LAN422B

8 Mondays, 9/16–11/25 (no class 9/30,
10/14 & 11/11), 6:15–9:15 pm
Gustavo Capparelli | NYBG | 201LAN422A

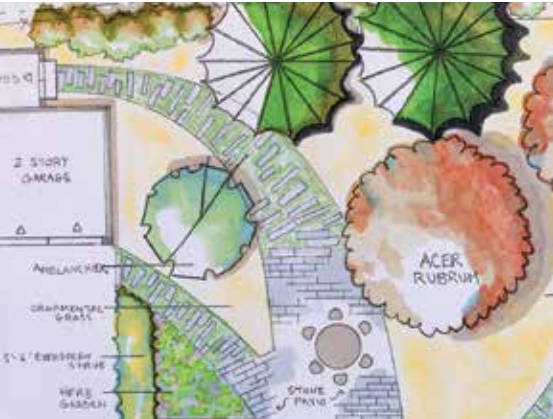
\$575/\$635 *Certificate Requirement*

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 Thursdays, 9/12–10/31, 10 am–1 pm
Alexis Gagne | NYBG | 201LAN403B

\$575/\$635 *Certificate Requirement*



Bungalow Site Plan (detail), ©Jessica Hills, NYBG Student

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 (PC or Mac) with SketchUp are required. 📌 Prerequisite: *Graphics II*

8 Fridays, 9/13–11/1, 10 am–1 pm
William Harris Einhorn, RLA | NYBG | 201LAN417

\$595/\$655 *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, 10/2–10/30 (no class 10/9),
5:15–8:15 pm
Jennifer Nitzky | NYBG | 202LAN485

\$295/\$325 *Certificate Requirement*

🔒 **Exam on last class date**

PHOTOGRAPHY

Experiment with light, composition, and motion or familiarize yourself with new technology to up your photography game!



THE ART OF INTUITIVE PHOTOGRAPHY

Award-winning photographer Mindy Veissid emphasizes an intuitive approach to taking pictures, one where open awareness precedes technical perfection and aims to cultivate photography’s meditative potential. You will practice being more mindful of your surroundings, attuned to the subjects that draw your attention and learn to use your senses to guide you to the most meaningful images. All levels and camera types are welcome.

Thursday, 3/14, 6–9 pm
Mindy Veissid | Manhattan | 193GWP280B

Saturday, 5/11, 11 am–2 pm
Mindy Veissid | NYBG | 194GWP280A

\$59/\$65

FLASH PHOTOGRAPHY: THE ORCHID SHOW

Photograph *The Orchid Show* using your DSLR 100-300 mm 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.

Tuesday, 4/2, 9 am–3 pm
Jeffrey Falk | NYBG | 194GWP937

\$109/\$119

LIGHT, SHADOW, AND THE GOLDEN HOUR

Light fundamentally influences the mood and composition of your photos. Explore how to make the best use of different kinds of natural light by optimizing your camera settings, consciously choosing what time of day you shoot, and using shadows, a fill light, or a reflector. We’ll take pictures on the grounds and then discuss the results. All levels welcome.

Sunday, 4/14 (Rain date 4/28), 4:30–7:30 pm
David Samuel Stern | NYBG | 194GWP238

\$59/\$65

ABSTRACT PHOTOGRAPHY

Experiment with composing abstract images using botanical subjects, taking inspiration from Georgia O’Keeffe. An expert at honing in on beautiful details from years working in high-end fashion, Douglas Dubler will show you how to use the lines, shapes, patterns, textures, and colors of petals, leaves, stems, and vines to create intriguing pictures. Digital SLR cameras preferred.

Wednesday, 4/24, 2–5 pm
Douglas Dubler | NYBG | 194GWP211A

Saturday, 8/10, 2–5 pm
Douglas Dubler | NYBG | 201GWP211B

\$59/\$65



©Mindy Veissid

Learn to let intuition guide your photography.



©William Waitzman

Create your own cyanotype prints.

BOTANICAL BLUES: CYANOTYPE

Harness sunlight to create dreamlike botanical images in rich blues. Pioneered in the 1840s, cyanotype is a type of photography that doesn’t use a camera. Under the expert guidance of artist William Waitzman, you will make 4–6 prints, while exploring the best ways to prep your paper with light-sensitive chemicals and compose your image using pressed plants.

Saturday, 5/18 (rain date 5/19), 10:30 am–3 pm
William Waitzman | NYBG | 194CRF128A

Saturday, 7/13 (rain date 7/14), 10:30 am–3 pm
William Waitzman | NYBG | 201CRF128B

\$139/\$155

GOODBYE DIGITAL CAMERA...HELLO IPHONE!

Learn practical techniques and tips for using the iPhone camera. Discover the best apps for photo taking, 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, Apple ID, and its password.

Friday, 5/17, 10 am–1 pm
Donald Gambino | NYBG | 194GWP151A

Friday, 5/17, 2–5 pm
Donald Gambino | NYBG | 194GWP151B

\$59/\$65

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, 5/28–6/25 (no class 6/11), 10 am–1 pm
Donald Gambino | NYBG | 194GWP161

\$195/\$215

INTRODUCTION TO BLACK & WHITE PHOTOGRAPHY

Douglas Dubler, who studied with Ansel Adams, will use a variety of arresting images to discuss what techniques to use so your photographs achieve rich blacks, stark whites, and all the greys in between. He will also demonstrate how to process your images with the free Nik Collection plug-in. The first session will include time on grounds to shoot, and the second will be an opportunity to review your work and discuss challenges and successes faced in the field. Digital SLR cameras preferred.

2 Sundays, 5/5 & 5/19, 10 am–1 pm
Douglas Dubler | NYBG | 194GWP208

\$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, dedicated macro lenses, and wide angle close-ups will be demonstrated in the classroom, followed by practice using your own equipment. Images will be projected on screen for discussion and review.

Saturday, 6/8, 9 am–3 pm
Jeffrey Falk | NYBG | 194GWP928

\$109/\$119

NEW! INDOOR LIGHTING BASICS

Dive in to using low-budget table-top lighting equipment and techniques to make compelling photos of botanical subjects and floral arrangements. Photographer David Samuel Stern will discuss the basic principles of still-life lighting design and walk you through manual camera controls to achieve optimal effect, and get the foundation on which to craft photos as striking as the old Dutch Masters paintings! Please bring a camera with manual controls and a tripod.

Sunday, 6/30, 2–5 pm
David Samuel Stern | NYBG | 194GWP228

\$75/\$85

NEW! FINE ART PRINTING

Don’t let your images stay trapped in your hard drive! Experiment with the art of making a print, a process that requires great technical skill and a keen eye for detail. Over his four-decade career, Douglas Dubler has tenaciously pursued the elusive fine art print. Now, in this in-depth workshop, he will share his insights on how to achieve superior results in digital printing; from capture/scanning, monitor calibration, file preparation, color management, custom profiling, printing, and paper selection.

Tuesday, 7/16, 10 am–2 pm
Douglas Dubler | NYBG | 201GWP237

\$75/\$85



NEW! THE ORCHID SHOW: SPECIAL PHOTOGRAPHERS’ HOURS

For serious photographers only, this is a rare opportunity to capture the exquisite beauty of *The Orchid Show* without casual visitors present. Bring your tripod (the only time we’ll allow them in the Conservatory!), since you’ll be shooting with available light. Please minimize gear—no backdrops or screens.

Friday, 3/22, 8:30–10 am | 193GWP229A
Tuesday, 4/16, 6:30–8 pm | 194GWP229B

\$49/\$55

WELLNESS

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



MEDICAL CANNABIS

Some 29 states have legalized the medical use of marijuana. Proponents tout it as a safe, effective treatment for symptoms of cancer, HIV, MS, Parkinson’s, and other conditions—while opponents see many physical and social risks. Explore the science behind this controversial plant, as Dr. Dahmer takes you through a brief history of the endocannabinoid system, its effects on the brain, its associated risks and disorders, and an overview of medical cannabis—today and in the future—in New York and across the country.

Thursday, 3/14, 6–7:30 pm
Stephen Dahmer, M.D. | Manhattan | 193WEL128B
\$35/\$39

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.

8 Saturdays, 4/6–6/8 (no class 4/20 & 5/25), 10–11 am
Robert Torres | NYBG | 194WEL102
\$119/\$129

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. Create and take home two 4-oz. container candles and two 3-oz. votive candles.

Saturday, 3/2, 11 am–2 pm
Karine Gordineer | Manhattan | 193WEL138B
Saturday, 4/13, 11 am–2 pm
Amandine Peter | NYBG | 194WEL138A
Saturday, 8/17, 11 am–2 pm
Amandine Peter | Manhattan | 201WEL138B
\$95/\$105

NEW! THE HEALING POWERS OF TURMERIC

Used in India for over 4,500 years, turmeric is a powerful remedy for your body—both inside and out. An antioxidant with antibacterial and anti-inflammatory properties, this spice can help clear up acne, decrease UV damage, and reduce scarring. Ayurvedic practitioner Sriram Moorthy shares the rich history of this powerful spice, then shows you how to make a turmeric facial mask and body wash to take home.

Tuesday, 4/16, 11 am–12:30 pm
Sriram Moorthy | NYBG | 194WEL148A
Thursday, 8/22, 11 am–12:30 pm
Sriram Moorthy | Manhattan | 201WEL148B
\$65/\$69

NEW! BUILD A HERBAL FIRST-AID KIT

Use herbal skills and recipes to treat many of life’s little mishaps. Herbalist Dawn Petter will cover which herbs to keep on hand and how best to use them. She’ll also demonstrate how to blend various herbs to produce balms, creams, and poultices. Under her expert guidance, you will make your own herbal remedies: a salve to relieve the itch of bug bites and stings and a soothing infusion for bruises, pain, and sore muscles.

Wednesday, 4/3, 6:30–8:30 pm
Dawn Petter | Manhattan | 194WEL221
\$65/\$69

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, 4/27, 10 am–1 pm
Ursula Basch | Manhattan | 194WEL134A

Saturday, 6/15, 11 am–2 pm
Karine Gordineer | NYBG | 194WEL134B

Tuesday, 7/23, 6–9 pm
Ursula Basch | Manhattan | 201WEL134C

\$95/\$105

SOAPMAKING WORKSHOP

Bring the bouquet of a summer garden indoors 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.

Sunday, 5/19, 11 am–2 pm
Elizabeth Scholl | NYBG | 194WEL143A

Sunday, 8/4, 11 am–2 pm
Elizabeth Scholl | NYBG | 201WEL143B

\$109/\$119

FOREST BATHING

When surrounded by the tranquil beauty of nature, the mind naturally becomes quiet and peaceful. This is reflected in Japanese Zen, where silent meditation in serene environments is a core element of the practice. Buddhist monks, trained in both Japanese Zen and in Therāvada meditation, will teach us how to meditate and lead us on a journey of inner exploration: practicing sitting and walking meditation in NYBG’s Thain Family Forest.

Tuesday, 5/21, 10 am–1 pm
Bhante Suddhaso | NYBG | 194WEL145A

Tuesday, 7/9, 10 am–1 pm
Bhante Jayasara | NYBG | 201WEL145B

Tuesday, 9/24, 10 am–1 pm
Bhante Suddhaso | NYBG | 201WEL145C

\$55/\$59

NEW! GUT HEALTH: THE KEY TO YOUR IMMUNE SYSTEM

Your digestive system is home to over 70% of your immune system! So keeping your gut in tip-top shape is crucial to maintaining good health. We will examine the difference between good and bad bacteria and explore how each affects your energy level, skin, and overall health. We’ll focus on how to strengthen your digestion and create better eating habits, including by introducing fermented foods and herbal medicine into your diet.

Thursday, 5/30, 6:30–8:30 pm
Cheryl Paswater | Manhattan | 194WEL215
\$45/\$49

NEW! HERBAL OXYMELS

Since ancient Greece, herbalists have made oxymels, syrups that mix honey and vinegar with bitter medicinal roots to make them easier to ingest. Today, oxymels are gaining in popularity as an alternative way to take in the healing benefits of herbs, distinct from tinctures and teas. Discover the health benefits of a variety of herbs you can use such as mullein (to manage respiratory issues) and elecampane (to boost your immune system) while you make your own oxymels to take home.

Thursday, 4/18, 6:30–8 pm
Arvolyn Hill | Manhattan | 194WEL234A

Saturday, 6/29, 11 am–12:30 pm
Arvolyn Hill | NYBG | 194WEL234B

\$65/\$69

NEW! SUMMER REMEDIES WITH ESSENTIAL OILS

Insect bites, sunburn, heat waves... Don’t let your vacation suffer from these typical summer drawbacks. Experiment with a variety of essential oils that can be used for healthy, non-chemical based alternative remedies. You will learn how to make three much-needed products: an insect repellent, a sunburn gel, and a cooling mist.

Saturday, 6/1, 11 am–1 pm
Amandine Peter | NYBG | 194WEL151A

Saturday, 7/13, 11 am–1 pm
Amandine Peter | Manhattan | 201WEL151B

\$65/\$69

NEW! CALM AND COLLECTED HERBAL WORKSHOP

Relieve modern-day stress with traditional herbal remedies! We will explore the fascinating history of herbal medicine and review how to choose and store herbs for your own use. Discover which plants and essential oils work best to alleviate tension, then create two herbal remedies to take home: a topical aromatic roll-on that helps reduce stress and a herbal infusion that relaxes the nervous system.

Wednesday, 6/12, 10:30 am–1:30 pm
Karine Gordineer | New Canaan Nature Center, CT
194WEL189

\$95/\$105

Herbal Saturday

May 4 | Midtown Education Center, Manhattan

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



10:30 am–12 pm

INTRO TO HERBAL MEDICINE

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 that help reduce stress.

Ursula Basch | 194WEL130B | \$65/\$69

12:45–2:15 pm

GROWING A HERBAL GARDEN

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.

Colin Wright | 194WEL130C | \$65/\$69

2:30–4:30 pm

HERBAL INFUSIONS AND DECOCTIONS

Imbibing a herbal drink is one of the easiest and tastiest ways to reap the health benefits from botanicals. Explore the difference between making a simple tisane, a nourishing herbal infusion, and a concentrated decoction in this hands-on workshop. Discover top tips regarding which drinks are best suited for which health goals. Take the recipes home to share with your family and friends!

Amy Anthony | 194WEL130D | \$65/\$69

All Three Sections: 194WEL130A | \$179/\$195

Illustration: *Passiflora incarnata* x *cincinnata*, ©Isabelle Baron, NYBG Graduate

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 718.817.8802.

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. Absences should be reported to the Registration Office at 718.817.8720 and will be evaluated 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 2019 ceremony will be held on Sunday, June 2. If you expect to complete your Certificate requirements or enroll in all remaining classes by June this year, you must inform the Manager of Student Services in writing at adulthoodgraduation@nybg.org by February 23. You will be informed if you are eligible for a Certificate by April 20. 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 licensed 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, & ACADEMIC PROGRAMS

Continuing Education Units (CEUs)

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 of NYBG (TSBA)

The Tri-State Botanical Artists of NYBG (TSBA) is a lively group of over 40 artists who meet to engage in critiques, monthly art challenges, a sketchbook exchange, and topical discussions. We invite all current Certificate students and alumni to join us! TSBA is recognized as an ASBA Circle. Meetings are free and held once a month at NYBG. Please contact Jeanne Reiner reinerj@hotmail.com or Susan Sapanara ssapanara@gmail.com for more information.

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

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 Adijat Adebola at adijat.adebola@bcc.cuny.edu or 718.289.5538.



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.

MIDTOWN EDUCATION CENTER

20 West 44th Street



BOTANICAL ART & ILLUSTRATION

			Page
3/5	6 pm	Botanical Drawing for Beginners	6
3/6	6 pm	Botanical Drawing II: Developing Your Skills	7
3/11	10 am	Botanical Watercolor for Beginners and Beyond	6
3/28	6 pm	Botanical Drawing I: Methods and Materials	7
3/30	10 am	Stones & Shells in Graphite	8
4/24	10 am	Botanical Drawing III: Focus on Flowers	7
5/6	10 am	Botanical Watercolor for Beginners and Beyond	6
5/4	10 am	Spring Tulips in Watercolor Workshop	8
5/11	10:30 am	Botanical Watercolor I	8
5/21	6 pm	Botanical Drawing for Beginners	6
6/17	10 am	Botanical Watercolor for Beginners and Beyond	6
7/9	10 am	Botanical Drawing I: Methods and Materials	7
7/13	10 am	Leaves in Three Dimensions	9
9/12	6 pm	Botanical Drawing III: Focus on Flowers	7
9/16	6 pm	Botanical Watercolor I	8
9/16	10 am	Botanical Watercolor for Beginners and Beyond	6
9/17	6 pm	Botanical Drawing I: Methods and Materials	7
9/25	6 pm	Botanical Drawing for Beginners	6

BOTANY

			Page
4/6	2 pm	What's This Tree on My Block	12
4/29	10 am	Spring Mushrooms	12
5/8	6 pm	The Science of Tree Communication	12
6/15	10 am	Mycoremediation: Can Mushrooms Help Heal the Planet?	12
7/18	6 pm	Microscope Basics	13
7/27	10 am	Basic Plant ID	12
9/21	10 am	Nature's Pharmacy	12

CRAFTS

			Page
5/1	6:30 pm	Girls' Night Out: Spring Wildflowers	17
5/21	6:30 pm	Living Decor: Terrariums with Air Plants & Orchids	17
6/11	6:30 pm	Watercolor Basics	17
6/17	6:30 pm	Floral Crowns	16
6/27	6:30 pm	Girls' Night Out: Spring Wildflowers	17
7/18	6 pm	Indigo Dye Workshop	17
8/7	11 am	Botanical Bracelets	17

FLORAL DESIGN

			Page
3/13	10:30 am	Photo Styling: Building your Brand on Social Media	20
3/21	6 pm	Flower Arranging with Store-Bought Bouquets	20
4/8	6:15 pm	Wedding Design II: Ceremony & Reception	23
4/9	6:15 pm	Fundamentals of Form	22

FLORAL DESIGN (cont.)

			Page
4/10	6 pm	Floral Armature Techniques	21
4/24	6 pm	Flower Arranging with Store-Bought Bouquets	20
4/30	6:15 pm	Color Theory for Floral Design	23
5/2	6:15 pm	Flower ID from A to Z	23
5/15	10:30 am	Event Planning for the Floral Designer	23
6/10	6 pm	Simple and Sleek Floral Design Ideas	20
6/12	6:15 pm	Grand-Scale Arrangements	23
6/26	6 pm	Flower Arranging with Store-Bought Bouquets	20
7/8	6 pm	Simple and Sleek Floral Design Ideas	20
7/15	10:30 am	Fundamentals of Form	22
7/22	10:30 am	Fundamentals of Style	22
7/29	10:30 am	Wedding Design I: Personals	23
8/7	6 pm	Flower Arranging with Store-Bought Bouquets	20
9/16	6 pm	Flower Arranging with Store-Bought Bouquets	20
9/24	6:15 pm	Fundamentals of Form	22

FOOD & DRINK

			Page
3/13	6 pm	The Wonders of Agave: Tequilas, Raicilla, Mezcal, and Sotols	24
4/9	6 pm	Botanical Mixology 101	24
5/9	6:30 pm	Healing Spirits: The Botany of Aperitifs and Digestifs	24
6/5	6:15 pm	Grow Gourmet Mushrooms Indoors	25
6/13	6:30 pm	Healing Spirits: The Botany of Aperitifs and Digestifs	24
6/20	6:30 pm	Shrubs: Tasty, Tangy Beverages	25
7/10	6 pm	Botanical Mixology 101	24

GARDENING

			Page
3/6	6 pm	Compost: Food for Your Plants!	31
3/7	6:15 pm	Fundamentals of Garden Design	28
3/11	6:15 pm	Botanical Latin	28
3/12	6 pm	Super Small Space Veggie Gardening	32
3/16	12 pm	Intensive Home Growing Techniques for Homegrown Edibles	32
3/23	10 am	Indoor Tropicals	31
3/28	6 pm	Vertical Gardening: Vines and Climbers	30
3/30	10:30 am	Perennial Plant Combinations	29
4/2	6 pm	Fundamentals of Gardening	28
4/25	6 pm	Mastering the Art of Tomato Gardening	32
5/4	10 am	All About Containers Saturday	33
5/6	10 am	Container Gardening	30
6/15	10 am	Terrace Gardening Saturday	33
6/22	10 am	Bonsai for Beginners Workshop	31
7/16	6 pm	Fundamentals of Gardening	28
8/8	6 pm	Soil Science for Gardeners	29
9/16	6 pm	Fundamentals of Gardening	28
9/25	6 pm	Mastering the Art of Tomato Gardening	32

HORTICULTURE

			Page
5/6	6 pm	Introduction to Plant Science	37
6/12	6 pm	Soil Science I: Physical Properties	37
7/9	5:45 pm	Plant Propagation I: Basic Principles	39
7/29	6 pm	Introduction to Plant Science	37
9/14	10 am	Introduction to Plant Science	37

HORTICULTURAL THERAPY

			Page
3/13	6 pm	Garden Design for Special Populations	43
5/4	10 am	Introduction to Horticultural Therapy	42

LANDSCAPE DESIGN

			Page
3/9	10 am	Building a Green Wall	47
3/18	6:15 pm	Landscape Design History	48
4/3	6 pm	Graphics II	49
4/22	6 pm	Intro to Green Walls	46
4/25	6:15 pm	Landscape Design I: Site Analysis and Schematic Design	48
5/22	6 pm	Intro to Green Roofs	47
7/8	6 pm	Graphics I	49
7/18	6:15 pm	Intro to Landscape Design	46
9/16	6:15 pm	City Roof Design	47
9/17	6:15 pm	Intro to Landscape Design	46
9/17	6:15 pm	Landscape Design History	48
10/3	6 pm	Graphics I	49

PHOTOGRAPHY

			Page
3/14	6 pm	The Art of Intuitive Photography	50

URBAN NATURALIST

			Page
6/18	6 pm	Introduction to Natural History	15

WELLNESS

			Page
3/2	11 am	Candlemaking with Essential Oils	52
3/14	6 pm	Medical Cannabis	52
4/3	6:30 pm	Build a Herbal First-Aid Kit	53
4/18	6:30 pm	Herbal Oxydels	53
4/27	10 am	Essential Oil Perfume Workshop	53
5/4	10:30 am	Herbal Saturday	53
5/30	6:30 pm	Gut Health: The Key to Your Immune System	53
7/13	11 am	Summer Remedies with Essential Oils	53
7/23	6 pm	Essential Oil Perfume Workshop	53
8/17	11 am	Candlemaking with Essential Oils	52
8/22	11 am	The Healing Powers of Turmeric	52

NEW CANAAN NATURE CENTER

144 Oenoke Ridge (Rt. 124), New Canaan, Conn.

3/2	10 am	Pruning: How, When, and Where	31
3/7	10 am	Intro to Landscape Design	46
4/16	10 am	Fundamentals of Gardening	28
5/14	10 am	Plants for Landscaping	37
6/4	10 am	Whip Your Garden into Shape	31
6/12	10:30 am	Calm and Collected Herbal Workshop	53

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 Entrance to gain admittance 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 beginning at 7:30 am for a recorded message on the status of your class.

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

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.

The Living Art of Roberto Burle Marx, Exhibition Partners:

LuEsther T. Mertz
Charitable Trust



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Council on
the Arts

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Additional support is provided by the Anne Fontaine Foundation.

Exhibitions in the Enid A. Haupt Conservatory are made possible by the Estate of Enid A. Haupt.

Additional support for Mertz Library exhibitions has also been provided by The Andrew W. Mellon Foundation and by a Challenge Grant from the National Endowment for the Humanities.

Exhibitions in the Arthur and Janet Ross Gallery are made possible by support from the Arthur and Janet Ross Fund.

Any views, findings, conclusions, or recommendations expressed in this exhibition do not necessarily represent those of the National Endowment for the Humanities.

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
2900 Southern Boulevard
Bronx, New York 10458-5126
Address Service Requested



Without plants, life on Earth would be impossible. They give us so much: oxygen, food, shelter, medicine. Plants lift our spirits and inspire us. But we often overlook them—even as threats to their existence have never been greater.

At NYBG in 2019, we're showing our love for plants with a year of exhibitions and programs exploring the essential connections between plants, people, and the environment.

Join us and spread the #plantlove.



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.



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recycled paper