

# NYBG

FALL 2022—WINTER 2023 | VOLUME 12



NEW YORK BOTANICAL GARDEN



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**ABOUT THE COVER:** Every year dozens of plein-air artists spread out across Garden grounds to capture familiar scenes in a new light. The work, all completed in one day, is featured on our cover and throughout this catalog. Plan to join us for NYBG's Sixth Annual Plein-Air Invitational in spring 2023.

**Front Cover:** ©Jared Cullum, LuEsther T. Mertz Library, Watercolor

**Back Cover:** ©Jeanette L. Gurney, Wandering Sketcher below Daffodil Hill, Technical pen

# Calendar



	HOLIDAYS	SCHOOL SCHEDULE
JANUARY	New Year's Day Martin Luther King Day weekend	Winter term begins
FEBRUARY	Lincoln's Birthday Presidents' Day weekend	
MARCH		
APRIL		Spring term begins
MAY	Memorial Day	
JUNE	Juneteenth	Graduation for those who have completed their Certificates
JULY	Independence Day	Summer term begins
AUGUST		
SEPTEMBER	Labor Day weekend	
OCTOBER	Federal Holiday	Fall term begins
NOVEMBER	Election Day Thanksgiving and the following Friday	
DECEMBER	Christmas week	

# NYBG

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## School Staff

### DIRECTOR

The School's operations are currently managed by Dr. Kay Chubbuck, NYBG's Vice President for Education and Interim Director of the School of Horticulture & Landscape Design. Dr. Chubbuck has over two decades of experience in educational management, university teaching, and scholarship. Prior to her current role, Dr. Chubbuck oversaw Sotheby's Institute of Art-Global Online, which included the Hybrid MA in Art Business, the Online Premier program, Sotheby's Summer Institute-Pre College, professional online education, and international partnerships. She has also held faculty appointments at Princeton University, the U.S. Naval Academy, and the University of Oxford, where she earned her doctorate on a Rhodes scholarship.

### INSTRUCTORS

#### Martha Bucuvalas

Martha Bucuvalas has a J.D. degree and has worked for a major pharmaceutical firm for 25 years. She is an avid home gardener, and has received Certificates in Horticulture: Sustainable Garden Design and Arboriculture, and Botany from the New York Botanical Garden.

#### David Bulpitt

David Bulpitt has been teaching at NYBG for over 18 years. Bulpitt is the head of the Horticulture department at Tarrant County College in Ft. Worth, Texas; teaching classes in a broad range of Horticulture topics from Soil Science to Greenhouse management.

#### Mark Bunnell

Mark Bunnell, RLA, is a partner in the landscape architecture firm Quennell Rothschild & Partners. He has more than 32 years of experience designing and restoring public and private landscapes in New York City and beyond, including current projects for Pershing Square in Manhattan and Fowler Square in Brooklyn. Many of his projects have involved collaboration with artists, including Maya Lin, Alison Saar, and Xu Bing. His work also includes campus design projects for Sarah Lawrence College, Trinity College, and Colgate, Duke, and Brown Universities.

#### Jennifer Cappello-Ruggiero

Jennifer Cappello-Ruggiero holds an AAS Degree in Horticulture Design and a BT Degree in Horticulture Technology. She did much of her early training as an intern at The Farmingdale State College Teaching Gardens and gained horticultural and design experience working on private residences on Long Island and as an assistant to a landscape designer. She later moved into a more public sector and became the Program Leader at East Meadow Farm; an educational and outreach facility of Cornell Cooperative Extension of Nassau County.

#### Paula Capps Sarathy

Paula's special interest is the history of medieval, Victorian, and modern gardens. She earned an advanced diploma in history at Oxford University, and is completing a Master's Degree in Garden and Landscape History at the University of London. She has traveled extensively to visit and study gardens in the United States, Asia, and Europe.

#### Leslie Day

Leslie Day has been a science educator for 20 years with a doctorate in science education from Columbia University. Day is also a New York City naturalist and author of *Field Guide to the Natural World of New York City*, *Field Guide to the Street Trees of New York City*, *Field Guide to the Neighborhood Birds of New York City*, and her latest book *Honeybee Hotel: the Waldorf Astoria's Roof Garden and the Heart of New York City*.

#### Valerie D'Antonio

Valerie D'Antonio, APLD, holds a Certificate in Landscape Design from the New York Botanical Garden. She is the principal and owner of D'Antonio Landscape Designs, Inc. which specializes in residential garden design, installation, maintenance, garden coaching and consultation.

#### Francisco D'Avila

Francisco D'Avila is an ISA-certified arborist working in the private and municipal sector. He has led the Arborist tract for the MillionTrees Training program, where he trained crews in a 7-month tree climbing apprentice program. He has climbed professionally for the Central Park Conservancy and NYC Parks. He is the founder of NYCTC, a recreational tree-climbing class.

#### Alice Eckerson

Alice Eckerson, RLA, ASLA, is owner of the landscape architecture firm Eckerson Design Associates in Fairfield, Conn., which specializes in residential site planning and design.

#### Stacie Ellickson-Hastie

Stacie Ellickson, LLA, is a Senior Landscape Architect and certified arborist at MNLA. A native of Iowa, she received her Bachelor of Landscape Architecture from Iowa State University and practiced in Des Moines prior to moving to New York City in 2015. With over 10 years of experience, Ellickson has managed a variety of project types at different scales and has a passion for finding solutions and details that make each project unique.

### Michael Hagen

Michael Hagen is the NYBG Curator of the Native Plant Garden and the Rock Garden. He previously served as Staff Horticulturist for Stonecrop Gardens in Cold Spring, NY and Garden Manager at Rocky Hills, in Mt. Kisco, a preservation project of the Garden Conservancy.

### Trevor Hall

Trevor Hall has been working in the field of Arboriculture since 1989. Hall graduated from the University of Maryland with a degree in Ornamental Horticulture/Urban Forestry. Coming up through the ranks as ground man, climber, and foreman, he took on the duties of Arborist Representative in 2005. He has also been a winner and judge of the NYS Tree Climbing Competition.

### Sarah Hettinger

Sarah Hettinger is a graduate of New York University in England with a degree in Historic and Sustainable Architecture. She's worked as an Assistant Conservation Officer to the Planning Division in the London Borough of Lambeth, contributing to the preservation of several historic sites through English Heritage and the National Trust for Historic Preservation. She is currently the Manager of the Lionel Goldfrank III Institutional Mapping Department at NYBG.

### Jessica Hoch

Jessica Hoch is the Senior Manager of Environmental Partnerships at Natural Areas Conservancy. She plans and implements ecological data collection in NYC's natural areas and manages the Conservancy's field ecology internship program. Jessica holds a bachelor's degree in geography from McGill University and a master's in ecology from Columbia University.

### David Holzman

David Holzman received a Master of Landscape Architecture from the University of Virginia, and a B.A. in Gender Studies from the University of Chicago. He teaches various courses for New York University's Sustainable Urban Environments program on topics ranging from green roofs to urban water. Holzman worked for a variety of design-build and architecture firms before launching his own independent design practice, Peduncle (Pedunclestudio.com).

### Kelly Ivanoski

Kelly Ivanoski is the Manager of the Nolen Greenhouses at The New York Botanical Garden. She is a 2018 graduate of NYBG's School of Professional Horticulture.

### Katharhy

Katharhy's interdisciplinary research integrates soil, microbes, and plant sciences as well as social ecology affiliated at CUNY-Advanced Science Research Center, Plant Science Lab-Lehman College, and The Regenerative Field Institute in Ecuador. He merges western scientific knowledge with local wisdom to further inform agroecosystem health. His teaching appointments include Brooklyn College, Lehman College, as well as, GreenThumb. He also co-founded the Andes Agriculture Entrepreneur Initiative in Ecuador and worked with AgriTech/Agribusiness entrepreneurs in NY. He leads K'allam'p Inc, a nonprofit organization, providing STEAM education accessibility to indigenous communities.

### Mark Kokinchak

Mark Kokinchak has a degree in Environmental Horticulture from UCONN and has earned a state issued Custom Grounds 3A and Arborist 3D licensing. He has over 35 years of experience in landscaping, tree and shrub maintenance, as well as turf management. His emphasis has been on fertility, cultural practices, and the control of insects and diseases.

### David Laswell

David Laswell is the Gardener for the Burn Family Lilac Garden and the Steinhart Maple Collection at NYBG. He has received an AAS from SUNY Cobleskill in Recreational Area and Sports Field Management. David also holds a BS from the University of Rhode Island in Urban Horticulture and Turfgrass Management.

### Bill Logan

Bill Logan is an ISA-certified arborist, a member of the American Society of Consulting Arborists, founder and president of Urban Arborists, Inc., and author of four acclaimed books: *Dirt*, *Oak*, *Air*, and the most recent, *Sprout Lands: Tending the Endless Gift of Trees*.

### George Lozefski

George Lozefski is the Laboratory Manager and Field & Education/Outreach Coordinator at the NYC Urban Soils Institute. As a dedicated and passionate scientist and educator, Lozefski has conducted environmental research at Columbia University's Lamont Doherty Earth Observatory and has been teaching Geoscience courses at Brooklyn College for over 10 years. He conducts soil science and soil testing workshops and provides training in soil quality test evaluations for academic and community settings. He received his B.S. Geology from Queens College, CUNY and a M.A. Environmental Science at Brooklyn College, CUNY.

### Jonathon Matz

Jonathon Matz is a practicing Landscape Designer and graphic designer. His experience stems from a background in graphics and representation, reinforced with technical knowledge gained from experience at a multidisciplinary office. Jonathon holds a Master of Landscape Architecture from State University of New York College of Environmental Science and Forestry (SUNY ESF) and a Bachelor of Fine Art in Graphic Design from State University of New York at New Paltz.

### Dave McConnell

Dave McConnell, BLA, approaches landscape architecture from a fine arts and traditional architecture background. He has been involved with the design and construction of scores of projects throughout the city, including Concrete Plant Park, portions of the Bronx River Greenway and Hudson River Park Greenway, Yankee Stadium, Washington Square Park, Pelham Parkway Malls, and numerous smaller parks and playgrounds.

### Marta McDowell

Marta McDowell holds a Certificate in Landscape Design from the Botanical Garden. She is a writer, lecturer, and garden designer. Marta is active in the Chatham Community Garden and is on the board of the NJ Historical Foundation at the Cross Estate in Bernardsville.

### **Caitlin Merritt**

Caitlin Merritt finds a great source of her enthusiasm and designs from the intersections of aesthetics, history and culture. In addition to teaching at the New York Botanical Garden, Caitlin teaches classes in philosophy, intellectual history and great books at Sacred Heart University in Fairfield, Connecticut. She has earned her bachelor of arts in Philosophy at the College of the Holy Cross and her Master's at Boston College.

### **Jamie Miller**

After 15 successful years as an accomplished assistant film director and 5 years as a still photographer and art director for magazine work, Jamie earned a Landscape Design Certificate from NYBG, and now applies her years of creative experience to her work as a landscape designer as owner of J Miller Design Associates.

### **Adam Molinski**

Adam Molinski, PLA, ASLA is a licensed landscape architect and ISA certified arborist. He is a senior designer at Hargreaves Associates and holds a Master of Landscape Architecture from UC Berkeley and a B.S. in Film from Boston University. He has over 6 years of professional experience spanning across the disciplines of landscape architecture, architecture and urban design.

### **Shauna Moore**

Shauna Moore is the Manager of Horticulture for Somerset County Park Commission's Leonard J Buck Garden and Colonial Park Gardens in New Jersey where she curates the Rudolf W. van der Goot Rose Garden. Born and raised in Minneapolis, Minnesota, she holds bachelor's and master's degrees from the University of Minnesota in Horticulture Science and Landscape Architecture, as well as a Masters in Liberal Studies. As an experienced gardener and designer, she deeply understands and appreciates woody and herbaceous plant materials.

### **Nina Naghshineh**

Nina Naghshineh is a graduate student in the Biological Sciences program at Fordham University. Nina's scientific interests center around how micro- and macro-ecological communities vary over space and time. Her research integrates field and laboratory work to explore the ecological system of the eastern redback salamander. In addition to being a researcher at Fordham University, Nina teaches Microbiology Lab and Introduction to Biology Lab to undergraduates. Before Fordham, Nina received her B.A. in Environmental Studies from New York University.

### **Timothy Nolan**

Tim Nolan runs Gardens By Design, a landscape and garden design firm, and works as a horticultural consultant for designers, primarily in New York City and the Hudson Valley. He holds a Horticulture Certificate in Sustainable Garden Design from the New York Botanical Garden.

### **Levi O'Brien**

Levi O'Brien has an extensive knowledge of trees and other plants and is happiest when he's sharing his knowledge and passion with others. He has taught Dendrology and Entomology at State University of New York College of Environmental Science and Forestry in Syracuse, NY. He worked as an arborist consultant for the city parks' street tree program, co-edited *A Field Guide to the Trees of Oakwood Cemetery*, and has presented talks on trees to diverse audiences, from school groups to the New York Landowners Association. Levi is an ISA Certified Arborist and holds a Bachelor of Science in Environmental Biology from SUNY ESF.

### **Julian Picciano**

Julian Picciano graduated from Purdue University in 2010 with a degree in Forestry. He spent four years as a climber and plant healthcare technician before becoming a climber/pruner and then a forester with the NYC Parks Department.

### **Elizabeth Poccia**

Elizabeth Poccia received a Certificate in Landscape Design from the New York Botanical Garden. She is a former Assistant Designer at LDAH Landscape Architecture, where she was involved in high end residential design. She is passionate about using graphics as a tool to communicate reality to plan.

### **Michael Ruggiero**

Michael Ruggiero is the horticulturist at Matterhorn Nursery in Spring Valley, N.Y. Former Senior Curator of Horticulture and a long-time instructor at the New York Botanical Garden, he lectures and writes on gardening topics and has authored several books.

### **Vincent Simeone**

Vincent Simeone has worked for many years in public horticulture and is currently the Director at Planting Fields Arboretum State Historic Park. He also leads garden tours all over the world with Allan Armitage. Vincent serves on several committees including the Gold Medal Plant Award Committee and the LINLA Landscape Awards Committee.

### **Mobee Weinstein**

Mobee Weinstein is Foreman of Gardeners at the New York Botanical Garden, holds a BS in Plant Studies from Lehman College, and is a graduate of the School of Professional Horticulture. She is a NOFA-accredited Organic LandCare Professional and has more than 30 years of experience.

### **Jessica Zavaglia**

Jessica Zavaglia holds a Certificate in Landscape Design from NYBG and is co-owner and principal of Zavaglia Associates, a landscape design & development firm serving Westchester County, NYC, and lower Fairfield County, CT.





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# Horticulture

Develop the vital skills needed to protect and manage sustainable landscapes, maintain healthy trees, design attractive gardens, and produce landscape plants. Enroll in a single class or pursue a Horticulture Certificate.



**CERTIFICATE REQUIREMENTS**

Course	Code	Hours	Page
<b>Plant Production</b> TRACK 1			
Introduction to Plant Science	HRT 300	16	10
Soil Science I: Physical Properties	HRT 301	18	10
Soil Science II: Chemistry and Nutrition	HRT 302 <b>P</b>	18	10
Horticultural Techniques: Greenhouse Practices	HRT 312 <b>P</b>	15	11
Insect Pests of Landscape Plants**	HRT 381 <b>P</b>	18	—
Plant Propagation I: Basic Principles	HRT 411 <b>P</b>	18	10
Plant Propagation II: Applications	HRT 412 <b>P</b>	18	11
Disease Identification & Management	HRT 481 <b>P</b>	18	11
Nursery and Greenhouse Management	HRT 491 <b>P</b>	24	10
TOTAL REQUIRED HOURS		163	

Course	Code	Hours	Page
<b>Sustainable Landscape Management</b> TRACK 2			
Introduction to Plant Science	HRT 300	16	10
Soil Science I: Physical Properties	HRT 301	18	10
Soil Science II: Chemistry and Nutrition	HRT 302 <b>P</b>	18	10
Horticultural Techniques: Landscape Gardening**	HRT 311 <b>P</b>	18	—
Pruning Principles and Practices	HRT 321 <b>P</b>	15	11
Basic Design and Installation of Irrigation Systems	HRT 323	12	11
Business Practices for the Landscape Professional	LAN 457	12	11
Insect Pests of Landscape Plants**	HRT 381 <b>P</b>	18	—
Tree Management	HRT 422 <b>P</b>	14	10
Landscape Management	HRT 443 <b>P</b>	24	12
Disease Identification & Management	HRT 481 <b>P</b>	18	11
Invasive Weed ID & Management	HRT 482 <b>P</b>	12	11
Mathematics for Horticulturists	HRT 356	6	12
TOTAL REQUIRED HOURS		201	

**THE CERTIFICATE PROGRAM**

Increasing concerns for environmental quality, conservation, and restoration are driving jobs nationwide at landscaping companies, nurseries and garden centers, public parks, botanical gardens, and private estates. The NYBG Horticulture Certificate is a NY State-licensed credential that helps professionals enhance their profiles, and individuals pursue new green careers. Taught by landscape and horticulture experts, the unique program blends classroom theory with field studies in the Garden's historic landscape, offering a high standard of training in four areas of concentration: Plant Production, Sustainable Landscape Management, Arboriculture, and Sustainable Garden Design.

Course	Code	Hours	Page
<b>Arboriculture</b> TRACK 3			
Introduction to Plant Science	HRT 300	16	10
Soil Science I: Physical Properties	HRT 301	18	10
Soil Science II: Chemistry and Nutrition	HRT 302 <b>P</b>	18	10
Tree Climbing for Arborists	HRT 304	15	10
Chainsaws: Use, Safety, and Maintenance	HRT 308	6	11
Pruning Principles and Practices	HRT 321 <b>P</b>	15	11
Landscape Plants: Fall Trees and Shrubs	HRT 331 <b>P</b>	12	10
Landscape Plants: Conifers	HRT 333 <b>P</b>	12	12
Landscape Plants: Spring Trees and Shrubs**	HRT 334 <b>P</b>	12	—
Insect Pests of Landscape Plants**	HRT 381 <b>P</b>	18	—
Tree Management	HRT 422 <b>P</b>	14	10
Urban Tree Care	HRT 426 <b>P</b>	12	12
Winter Tree Identification	HRT 440 <b>P</b>	8	11
Disease Identification & Management	HRT 481 <b>P</b>	18	11
TOTAL REQUIRED HOURS		194	

**Sustainable Garden Design** TRACK 4

Introduction to Plant Science	HRT 300	16	10
Soil Science I: Physical Properties	HRT 301	18	10
Landscape Plants: Broadleaved Evergreens	HRT 332 <b>P</b>	9	10
Landscape Plants: Spring Trees and Shrubs**	HRT 334 <b>P</b>	12	—
Landscape Plants: Spring Perennials**	HRT 336 <b>P</b>	9	—
Landscape Plants: Late Season Perennials & Grasses	HRT 338 <b>P</b>	12	10
Landscape Plants: Annuals**	HRT 341 <b>P</b>	8	—
Landscape Plants: Bulbs	HRT 342 <b>P</b>	12	12
Annual and Perennial Garden Maintenance	HRT 344 <b>P</b>	8	11
Plants for Landscaping	HRT 358	16	10
Plant Communities	HRT 353	6	10
Sustainable Garden Care	HRT 395 <b>P</b>	8	12
Sustainable Garden Design	HRT 551 <b>P</b>	20	12
Landscape Design History	LAN 301	24	14
Graphics I	LAN 311	24	14
TOTAL REQUIRED HOURS		202	

\*Course hours do not include exam hours

\*\*Courses offered in the Spring–Summer Catalog

**P** Courses with a prerequisite before you can register

For professional organizations, see p.18.

**QUESTIONS? CONTACT PROGRAM COORDINATOR**  
RICHARD SMITH, AT [HRTCOORDINATOR@NYBG.ORG](mailto:HRTCOORDINATOR@NYBG.ORG)



## CERTIFICATE CLASSES

Open to Non-Certificate students

### INTRODUCTION TO PLANT SCIENCE

#### ALL TRACKS

This user-friendly intro course surveys the major plant groups—flowering plants, conifers, ferns, and bryophytes—focusing on their form and structure. Become botanically literate and gain practical experience in dissecting and analyzing plant structures. | \$395/\$435

8 Saturdays, 9/17–11/12 (no class 10/8),  
10:30 am–12:30 pm

Leslie Day | Online | 231HRT300HO

6 Thursdays, 10/6–11/10 ☞, 2–5pm

Levi O'Brien | NYBG | 232HRT300A

8 Mondays, 10/17–12/12 (no class 10/31), 6–8 pm  
Martha Bucuvalas | Online | 232HRT300BO

8 Tuesdays, 1/10–2/28, 6–8 pm

Martha Bucuvalas | Online | 233HRT300DO

8 Saturdays, 1/21–3/18 (no class on 2/18),  
10:30 am–12:30 pm

Leslie Day | Online | 233HRT300EO

6 Tuesdays, 2/7–3/14, 10 am–1 pm

Levi O'Brien | NYBG | 233HRT300F

8 Mondays, 3/6–5/1 (no class 4/10), 6–8 pm  
Nina Naghshineh | Online | 233HRT300GO

### SOIL SCIENCE I 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 at-home labs, learn irrigation and drainage techniques and explore how soil, organic matter, and microbiology relate to plant health and soil conservation. | \$455/\$495

9 Wednesdays, 10/5–12/7 (no class 11/23),  
6:30–8:30 pm

David Bulpitt | Online | 232HRT301AO

9 Saturdays, 1/7–3/18 (no class 1/14 & 2/18),  
10:30 am–12:30 pm

Katharhy | Online | 233HRT301BO

9 Saturdays, 1/21–4/1 (no class 2/18 & 3/18),  
1–3 pm

David Bulpitt | Online | 233HRT301CO

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

Go beyond basic soil chemistry and examine how a soil's pH affects what nutrients are available to plants. Explore the ionic exchange capacities of soil, the complex nitrogen cycle, and the effects of composted soil amendments and fertilizers. Discover how soil and plant tissue tests can help monitor plant nutrition and health. ☞ Prerequisite: *Soil Science I* | \$395/\$445

9 Mondays, 9/19–11/21, 6:30–8:30 pm

David Bulpitt | NYBG | 231HRT302O

### LANDSCAPE PLANTS: BROADLEAVED EVERGREENS TRACK 4

Become familiar with the cultural requirements, identifying features, and uses of native and non-native broadleaved evergreens, and incorporate them into both naturalistic and formal landscape settings. Major plant groups studied include *Ilex*, *Rhododendron*, *Buxus*, and evergreen groundcovers.

☞ Prerequisite: *Intro to Plant Science* | \$219/\$239

5 Saturdays, 10/22–11/19 ☞, 10:30 am–12:45 pm  
Vincent Simeone | NYBG | 233HRT332A

5 Fridays, 2/24–3/24 ☞, 10:30 am–12:45 pm  
Vincent Simeone | NYBG | 233HRT332B

### LATE SEASON PERENNIALS & GRASSES TRACK 4

This course is designed for horticulturists and gardeners who are familiar with the basic culture of perennials. Learn the identifying characteristics, classification, scientific and common names, and landscape uses of approximately 60 summer- and fall-blooming native and non-native perennials and grasses. ☞ Prerequisite: *Intro to Plant Science* | \$295/\$325

6 Tuesdays, 9/13–10/25 (no class 9/27), 4–6 pm  
Michael Hagen | NYBG | 231HRT338A

### PLANT COMMUNITIES

Fundamentally change the way you view natural landscapes by learning about the complex factors that inform which plants grow in what combinations. Understanding how and why these plant communities form will help you design beautiful landscapes that are more resilient, diverse, and harmonious. | \$169/\$185

2 Wednesdays, 11/2–11/9, 6–7:30 pm &  
Saturday, 11/5, 10–1 pm  
Sarah Bray | NYBG & Online | 232HRT353BL

### TREE MANAGEMENT TRACK 2

Explore a holistic approach to keeping trees healthy and vigorous. Topics include planting and transplanting, pruning, fertilization, root system management, common problems, tree defenses, and lightning protection. Samples of tree problems, supplies, and tools are exhibited. | \$335/\$369

8 Wednesdays, 9/14–11/9 (no class 10/5) ☞, 5–7 pm  
Trevor Hall | NYBG | 231HRT422

### PLANT PROPAGATION I TRACK 1

Learn principles and techniques of plant propagation by seed and cuttings. Explore basic sexual and asexual propagation, focusing on fruit development, seedling production, root initiation, stem and leaf cuttings, and layering. ☞ Prerequisite: *Intro to Plant Science* | \$479/\$525

6 Wednesdays, 9/28–11/9 (No class 10/5),  
5:30–8:30 pm

Mobee Weinstein | NYBG | 231HRT411D

6 Mondays, 2/27–4/3, 5:30–8:30 pm  
Mobee Weinstein | NYBG | 233HRT411A

7 Mondays, 3/6–4/17 ☞, 10 am–1 pm  
Michael Ruggiero | NYBG | 233HRT411B



**TREE CLIMBING FOR ARBORISTS** TRACK 3

This course is designed for people interested in arboriculture. Learn techniques such as rope setting, knot tying, body thrusting, doublecrotching, foot locking, and limb walking. The goal of the course is for each student to improve his or her climbing skills. Taught on 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. | \$425/\$469

3 Saturdays, 9/17–10/1 (Rain date 10/15),  
9 am–2:30 pm  
Julian Picciano and Francisco D'Avila | NYBG  
231HRT304

**PLANTS FOR LANDSCAPING** TRACK 4

Choose the right plant for the right place, based on site-specific design and maintenance criteria. Learn landscape values such as size, texture, color, and flowering and fruiting seasons. Review trees, shrubs, groundcovers, annuals, and perennials suitable for this region. | \$395/\$435

7 Sundays, 9/18–11/13 (no class 9/25 & 10/9),  
10 am †  
Shauna Moore | NYBG & Online | 231HRT358EBL

6 Wednesdays, 10/12–11/16, 10 am †  
Jennifer Cappello-Ruggiero | NYBG & Online  
232HRT358ABL

6 Saturdays, 4/15–5/20, 10 am–12:40 pm  
Valerie D'Antonio | NYBG | 234HRT358A

6 Sundays, 4/16–5/21, 10 am–1 pm  
Timothy Nolan | NYBG & Online | 234HRT358BBL

**FALL TREES AND SHRUBS** TRACK 3

Explore how to identify and use shade trees and shrubs that are native to and thrive in our region, including Acer, Quercus, and Viburnum, which are particularly ornamental in fall. | Prerequisite: *Intro to Plant Science* | \$295/\$325

7 Saturdays, 9/24–11/2 (no class 10/8) ☞,  
10 am–12 pm  
Timothy Nolan | NYBG & Online | 231HRT331ABL

4 Thursdays, 10/13–11/3, 10 am–1 pm  
Levi O'Brien | NYBG | 232HRT331B

**NURSERY & GREENHOUSE MANAGEMENT** TRACK 1

Learn the basic principles and best practices of greenhouse and nursery construction and design, and commercial greenhouse and field plant production. Understand how to manage a commercial growing operation, including site selection, planning and layout, and production methods of greenhouse and nursery crops, both in the field and in containers. The course includes a field trip to area nurseries. | Prerequisite: *Intro to Plant Science* | \$549/\$605

8 Tuesdays, 10/11–11/29 ☞, 5–7:30 pm  
Plus an all-day field trip Friday, 11/4, 8 am–4 pm  
Kelly Ivanoski | NYBG | 232HRT491S

**DISEASE IDENTIFICATION & MANAGEMENT** TRACKS 1, 2, & 3

Learn common diseases of woody and herbaceous ornamentals and turfgrass, and the cultural, biological, and least-toxic strategies for their control. | Prerequisite: *Intro to Plant Science* \$475/\$495

4 Thursdays, 10/13–11/3, 6:15–8:30 pm, and 3  
Saturdays, 10/15–10/29, 10 am–1 pm  
Mark Kokinchak | NYBG & Online | 232HRT481BL

**INVASIVE WEED IDENTIFICATION & MANAGEMENT** TRACK 2

Students will be introduced to the topics of invasion biology and weed management and their related terminology. Approximately 60 invasive or weed species common throughout the northeast region of the United States will be presented, with a focus on woody species. Management techniques and management plans will also be discussed. Field walks will be given on NYBG grounds. | Prerequisite: *Intro to Plant Science* | \$355/\$395

4 Saturdays, 10/15–11/5, 10:30 am–1:30 pm  
Erica DeLuca | NYBG | 232HRT482

**BUSINESS PRACTICES FOR THE LANDSCAPE PROFESSIONAL** TRACK 2

Study how to effectively organize and operate a small landscape business that will sustain itself and earn a profit. Learn how to attract new clients, position oneself in a crowded market, and choose the right type of business model. Gain experience in preparing proposals and contracts, pricing services and materials, and creating budgets. You will walk away from this class with a basic plan to guide you in creating a successful business. | \$295/\$305

6 Thursdays, 1/12–2/16, 10:15 am–12:15 pm  
Jessica Zavaglia | Online | 233LAN4570

**PRUNING PRINCIPLES AND PRACTICES** TRACKS 2 & 3

Through classwork and hands-on practice, develop pruning tools and techniques to help shrubs, conifers, broadleaves, evergreens, and deciduous plants thrive. Explore how woody plant structure and physiology influence pruning. Learn how to create and maintain hedges and explore authentic pollarding techniques. Come dressed for fieldwork, and bring bypass pruners if you have them. | Prerequisite: *Intro to Plant Science* | \$385/\$425

6 Tuesdays, 11/1–12/13 (no class 11/8) ☞,  
10 am–1 pm  
Bill Logan | NYBG | 232HRT321A

6 Fridays, 1/13–2/17 ☞, 10 am–1 pm  
Bill Logan | NYBG | 233HRT321B

6 Tuesdays, 2/21–3/28 ☞, 10 am–1 pm  
Bill Logan | NYBG | 233HRT321D

**HORTICULTURAL TECHNIQUES: GREENHOUSE PRACTICES**

This course introduces students to the practical skills required for growing plants in greenhouses with an emphasis on integrated management techniques. Topics include structures and equipment, soils and other growing media, irrigation and fertilization practices, potting and repotting, and cultural practices. | \$359/\$395

6 Wednesdays, 11/2–12/14 (no class 11/23),  
2–5 pm  
Toshi Yano | NYBG | 232HRT312P

**PLANT PROPAGATION II** TRACK 1

Learn to work with plants that are difficult to propagate by seed or cuttings. Subjects include advanced seed propagation and techniques of grafting, budding, and micro-propagation. Learn tissue culture at NYBG's Pfizer Laboratory, and tour a retail nursery for a hands-on grafting project. | Prerequisite: *Plant Propagation I* | \$495/\$539

4 Tuesdays, 1/24–2/14, 5–8 pm;  
Plus an all-day field trip TBA, 7:30 am–4 pm  
Mobee Weinstein | NYBG | 233HRT412

**WINTER TREE IDENTIFICATION** TRACK 3

Learn basic winter tree identification using dormant-season characteristics of deciduous plants as well as conifers. Dress for the weather. | Prerequisite: *Intro to Plant Science* \$295/\$325

5 Tuesdays, 1/10–2/7, 1–3 pm  
Bill Logan | NYBG | 233HRT440

**CHAINSAWS: USE, SAFETY, AND MAINTENANCE** TRACK 3

Whether you are a budding arborist or weekend woodcutter, knowing how to use your chainsaw safely and maintain it properly are keys to success. This lecture-demonstration course by an ISA-certified arborist teaches you the basics of chainsaw use and care, sharpening, and bar tensioning. | \$145/\$159

Saturday, 1/21, 9 am–3:30 pm  
Julian Picciano | NYBG | 233HRT308

† The start time for all sections is as listed; end times vary. See website for the full schedule.

☞ Exam on last class date.

**ANNUAL AND PERENNIAL GARDEN MAINTENANCE** TRACK 4

Manage annual and perennial gardens with a variety of practices: soil and weed management, watering, pest identification and control, and seasonal clean-up. Develop a management plan for a small perennial garden. **P** Prerequisites: *Soil Science I* and *Plants for Landscaping or Late Season Perennials & Grasses* | \$195/\$215

4 Wednesdays, 1/25–2/15, 10 am–12 pm  
Erika Hanson Moore | Online | 233HRT3440

**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. | \$295/\$329

Thursday & Friday, 1/26 & 1/27, 10 am–4:30 pm  
Steve Dobossy | NYBG | 233HRT323

**LANDSCAPE PLANTS: CONIFERS** TRACK 3

Learn to identify, classify, and use the best regional native and non-native conifers for naturalistic and formal landscape designs. **P** Prerequisite: *Intro to Plant Science* | \$295/\$325

7 Thursdays, 2/2–3/16 ☞, 10 am–12 pm  
Michael Ruggiero | NYBG | 233HRT333

**SUSTAINABLE GARDEN DESIGN** TRACK 4

This studio-oriented course covers basic site analysis, planting plans, and color schemes (analogous or sequential, complementary, and monochrome). Presentations, discussions, and design projects combine practical information with theoretical garden design. **P** Prerequisites: *Graphics I*, *Annuals*, *Spring Perennials*, and *Late Season Perennials & Grasses* | \$485/\$535

2 Saturdays, 1/21 & 3/18, 10 am–2 pm, and  
6 Mondays, 1/23–3/13 (no class 2/20 & 2/27),  
6–8 pm  
Ty Tan | NYBG & Online | 233HRT551BL

**SUSTAINABLE GARDEN CARE** TRACK 3

Explore how to create a healthy garden while supporting biodiversity and conserving resources. We'll discuss ways to minimize water usage, effectively handle stormwater, create a healthy soil food web, and use non-toxic alternatives to maintain optimal plant health. **P** Prerequisite: *Intro to Plant Science* and *Soil Science I* | \$195/\$215

4 Saturdays, 2/4–3/4 (no class 2/18),  
10:30 am–12:30 pm  
Steve Conaway | NYBG | 233HRT395

**URBAN TREE CARE** TRACK 3

Soil compaction, construction damage, and land development practices can lead to tree decline and early tree mortality. Examine the biology of trees, and learn how they respond to changes in the urban environment. 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. **P** Prerequisite: *Intro to Plant Science* | \$295/\$325

6 Saturdays, 3/4–4/15 (no class 4/8), 9 am †  
Julian Picciano | NYBG & Online | 233HRT426BL

**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. **P** Prerequisite: *Intro to Plant Science* | \$295/\$325

7 Thursdays, 3/16–5/4 (no class 4/6) ☞,  
10 am–12 pm  
Marta McDowell | NYBG | 233HRT342

**LANDSCAPE MANAGEMENT** TRACK 2

Examine sustainable techniques for managing and maintaining commercial and residential landscapes. Develop programs that reduce adverse effects on the environment, including alternative approaches to conventional lawn management. **P** Prerequisites: *Intro to Plant Science* and *Soil Science II* | \$579/\$635

9 Thursdays, 3/16–5/18 (no class 4/6),  
4:30–7:30 pm  
David Laswell | NYBG | 233HRT443

**MATHEMATICS FOR HORTICULTURISTS** TRACK 2

This course is designed for horticulturists who are responsible for maintaining outdoor landscapes. We will cover how to calculate area to help estimate plant and soil needs, apply rates for fertilizers, and calculate amounts of soil amendments. | \$149/\$165

3 Wednesdays, 3/1–3/15 ☞, 5–7 pm  
Mobee Weinstein | Online | 233HRT3560







# 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. Take a single class for pleasure or pursue a professional Certificate in Landscape Design.**

## THE CERTIFICATE PROGRAM

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 creative professional. And that puts you ahead—with colleagues, employers, and clients. Outstanding instructors who are working professionals guide you through a comprehensive program, where you 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.



**CERTIFICATE REQUIREMENTS**

Course	Code	Hours	Page
<b>TIER 1— Introductory Classes</b>			
Landscape Design History	LAN 301	24	13
Graphics I: Hand Rendering	LAN 311	24	13
Landscape Measurement	LAN 340	12	14
Landscape Plants: Fall Trees and Shrubs	HRT 331 <b>P</b>	12	11
Landscape Plants: Spring Trees and Shrubs**	HRT 334 <b>P</b>	12	—
Plants for Landscaping	HRT 358	16	11
<b>TIER 2</b>			
Landscape Design I: Site Analysis and Schematic Design	LAN 401 <b>P</b>	24	14
Landscape Design II: Design Development	LAN 402 <b>P</b>	24	14
Estimating	LAN 380 <b>P</b>	9	14
Graphics II: Dynascope	LAN 427 <b>P</b>	24	13
Site Materials and Details	LAN 422 <b>P</b>	24	14
<b>TIER 3</b>			
Grading & Drainage	LAN 428 <b>P</b>	30	14
Graphics III: Photoshop	LAN 417 <b>P</b>	24	14
Landscape Design III: Planting Design	LAN 403 <b>P</b>	24	14
Business Practices for Landscape Professional	LAN 457	12	14
Landscape Design IV: Design and Construction	LAN 520 <b>P</b>	33	14
Portfolio and Presentation Skills	LAN 555 <b>P</b>	15	14
<b>TOTAL REQUIRED HOURS</b>		<b>343</b>	

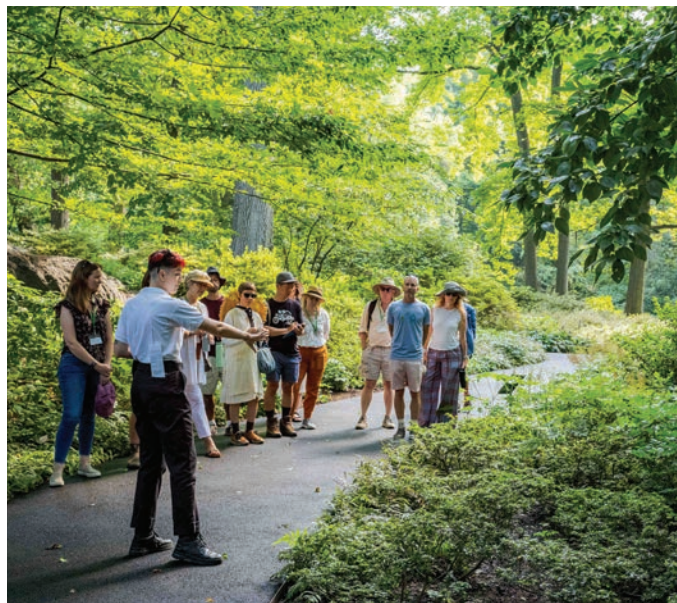
\*Course hours do not include exam hours

\*\*Courses offered in the Spring–Summer Catalog

**P** Courses with a prerequisite before you can register

For professional organizations, see p. 18.

**QUESTIONS? CONTACT PROGRAM COORDINATOR**  
SUSAN COHEN AT [LANCOORDINATOR@NYBG.ORG](mailto:LANCOORDINATOR@NYBG.ORG)

**CERTIFICATE CLASSES**

**Open to Non-Certificate students**

**LANDSCAPE DESIGN HISTORY**

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

Explore theories, traditions, and principles that have shaped the design of landscapes from antiquity to the present, through visual presentations, assigned readings, projects, and classroom discussion. | \$595/\$655 *Certificate Requirement*

8 Wednesdays, 10/12–12/7 (no class 11/23),  
10 am–1 pm  
Paula Capps Sarathy | Online | 232LAN301A0

9 Tuesdays, 1/10–3/7, 6:15–9:15 pm  
Mark Bunnell, RLA | Online | 233LAN301B0

8 Wednesdays, 2/1–3/22, 10 am–1 pm  
Caitlin Merritt | Online | 233LAN301C0

9 Mondays, 3/20–5/15, 6:15–9:15 pm  
Mark Bunnell, RLA | Online | 233LAN301D0

**GRAPHICS I: HAND RENDERING**

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

Graphics are essential in developing and communicating your ideas. Practice various graphic techniques on a range of materials and equipment and learn how to organize and render landscape plans on paper for optimal presentation to clients. Homework required. \$595/\$655 *Certificate Requirement*

8 Saturdays, 10/15–12/10 (no class 11/26),  
10 am–1 pm  
Jamie Miller | Online | 232LAN311A0

8 Saturdays, 1/21–3/18 (no class 2/18),  
10 am–1 pm  
Jamie Miller | Online | 233LAN311B0

8 Fridays, 2/24–4/21 (no class 4/7), 10 am–1 pm  
Elizabeth Poccia | NYBG | 233LAN311C

**GRAPHICS II: DYNASCOPE**

Learn the various tools and applications of this software package for landscape designers. Topics include: developing base plans from surveys, techniques for quick estimates, and utilizing the online plant database. Basic computer skills and PC laptop required. **P** Prerequisite: *Graphics I* \$595/\$655 (There is an additional software fee of \$187.50. Special cancellation policy applies.) *Certificate Requirement*

8 Tuesdays, 9/13–11/15 (no class 9/27 & 10/4), 5–8 pm  
Elizabeth Poccia | NYBG | 231LAN427B

8 Mondays, 1/23–3/20 (no class 2/20), 5–8 pm  
Elizabeth Poccia | NYBG | 233LAN427A

8 Tuesdays, 2/21–4/11, 5–8 pm  
Elizabeth Poccia | NYBG | 233LAN427B

**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.



## 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. | \$295/\$329 *Certificate Requirement*

4 Saturdays, 9/17–10/15, (no class 10/8; rain date 10/22), 10 am–1 pm  
Sarah Hettinger | NYBG | 231LAN340A

## LANDSCAPE DESIGN I: SITE ANALYSIS AND SCHEMATIC DESIGN

Turning a vision into a plan is the designer's first challenge. Analyze landscapes, formulate the requirements of a design project and then translate them into schematic design solutions. Take part in class discussions and critiques, and present projects. Extensive out-of-class design homework required.  Prerequisite: *Landscape Design History and Graphics I* | \$575/\$635 *Certificate Requirement*

8 Thursdays, 10/6–12/1, (no class 11/24), 6–9 pm  
Damon Arrington | Online | 232LAN4010

## NEW! GRAPHICS III: PHOTOSHOP

Discover how to use a wide variety of Adobe Photoshop tools and techniques to add vibrancy to your hand- or computer-rendered drawings. Hone your own aesthetic as you craft plan views, section drawings, and design details that are client ready.  Prerequisite: *Graphics II* | \$595/\$655 *Certificate Requirement*

10 Mondays, 1/23 & 4/3, 3–6 pm and 1/30–3/27 (no class 2/20), 6:30–8:45 pm  
Jonathon Matz | NYBG & Online | 233LAN437BBL

## LANDSCAPE DESIGN II: DESIGN DEVELOPMENT

Apply basic design to site-specific problems, focusing on the process of design development. Start with a concept, then progress through the schematic phase to a preliminary design solution. Examine the relationships of landscape elements and materials to the design process.  Prerequisite: *Landscape Design I* and *Graphics II* | \$575/\$635 *Certificate Requirement*


8 Thursdays, 1/19–3/9, 6:15–9:15 pm  
David McConnell | NYBG | 233LAN402

## LANDSCAPE DESIGN III: PLANTING DESIGN

Through a series of design assignments, prepare a variety of planting plans that are practical, appropriate, and aesthetically satisfying. Explore the significance of site conditions as well as plant form, text, color, and ecological associations.  Prerequisites: *Landscape Design II*, *Graphics II*, and *Plants for Landscaping*. Recommended: *Fall Tree and Shrubs* and *Spring Trees and Shrubs* | \$575/\$635 *Certificate Requirement*

8 Thursdays, 9/22–11/10, 6:15 pm–9:15 pm  
Stacie Ellickson-Hastie | Online | 233LAN403AO

## ESTIMATING

Learn how accurately estimating landscape materials, labor, overhead, and contingencies can help you stay profitable and compete successfully in today's business climate.  Prerequisite: *Landscape Design II* | \$219/\$239 *Certificate Requirement*

4 Wednesdays, 1/11–2/1, 10 am–12:15 pm  
Michael Voelkel | NYBG | 233LAN380

## 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* | \$575/\$635 *Certificate Requirement*


8 Tuesdays, 1/24–3/14, 6–8 pm  
Damon Arrington | Online | 233LAN4220

## BUSINESS PRACTICES FOR THE LANDSCAPE PROFESSIONAL

Study how to effectively organize and operate a small landscape business that will sustain itself and earn a profit. Learn how to attract new clients, position oneself in a crowded market, and choose the right type of business model. Gain experience in preparing proposals and contracts, pricing services and materials, and creating budgets. You will walk away from this class with a basic plan to guide you in creating a successful business. | \$295/\$305 *Certificate Requirement*

6 Thursdays, 1/12–2/16, 10:15 am–12:15 pm  
Jessica Zavaglia | Online | 233LAN457BO

## 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 Detail* | \$829/\$909 *Certificate Requirement*


11 Mondays, 2/27–5/8, 6–9 pm  
David McConnell | NYBG | 233LAN520

## PORTFOLIO AND PRESENTATION SKILLS

Create visually compelling print and digital 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.  Prerequisite: *Landscape Design III* | \$379/\$415 *Certificate Requirement*

7 Fridays, 2/10–3/24, 11 am–1:10 pm  
Annie Phaosawasdi | Online | 233LAN5550

## GRADING & DRAINAGE

Through discussion, fieldwork, and homework, students will identify landforms and watersheds, calculate slopes, and manipulate contours to create garden rooms, and control water flow. Learn how to communicate design ideas to contractors and evaluate the opportunities and constraints of a project site.  Prerequisite: *Landscape Measurement*, *Landscape Design I*, and *Graphics II* | \$715/\$795 *Certificate Requirement*

10 Wednesdays, 3/1–5/10 (no class 5/4), 10 am–1 pm  
Alice Eckerson | NYBG | 233LAN428



# Academic Policies & Procedures

## COURSES WITH PREREQUISITES

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

## 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 Director with any questions or concerns at 718.817.8595.

### Satisfactory Academic Progress Policy:

Student progress is measured by grades.

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

Students must maintain a cumulative weighted average of 70% on a 100% scale, and must pass all courses with a minimum grade of 60%. All students are required to complete a minimum of 90% of their cumulative registered clock hours. Students who do not meet the 90% cumulative completion percentage will be placed on probation. Courses for which a student receives a letter grade of A, A-, B+, B, B-, C+, C, C-, D+, D, and P (passing) are included in the calculation of cumulative clock hour completion percentage as courses successfully completed.

Courses for which a student receives a letter grade of INC and F will be treated as courses attempted, but not successfully completed. Students are required to meet these minimum standards at each point of their program evaluation. A student must repeat a course and earn a passing grade in order to fulfill the Certificate requirements; additional course materials will be charged at cost.

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

### Entrance Requirements

To be admitted to the Program, students must be 18 years of age at the time of entrance, and must possess at least a high school or a New York State equivalency diploma.

## Previous Education Credit

A student may qualify for course exemption by completing college courses taken for degree credit from an accredited college or university, evaluated non-collegiate sponsored instruction, or proficiency exams.

Students who wish to be granted exemption from a required course must:

- 1) Complete the Course Exemption Request Form
- 2) Present transcripts showing an earned grade of C or higher
- 3) Present the course outline, syllabus, and/or relevant supporting documentation.

The School will then evaluate these submissions and make a decision on course exemption. If a student is exempted from the course, s/he is required to take an equal number of hours of an approved elective course to complete the Certificate.

## Attendance

On-time attendance is required at all classes. Unexcused tardiness and absences are not accepted and will be evaluated on a case-by-case basis.

A student who is absent from a class without adequate reason may be assigned a failing grade. Absences due to serious illness or death within a student's family are recognized as excused absences. To validate such absences, the student should present evidence to the Director, who will then provide a letter of verification to all of the student's instructors for the term.

Makeup quizzes and exams must be requested by the student and 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.

## Tardiness Policy

Students are expected to be in class on time. Any student who is tardy more than three times shall be required to speak with the Director.

## Leave of Absence Policy

In the case of a prolonged illness or accident, death in the family, or other special circumstances that make attendance impossible or impractical, a leave of absence may be granted to the student if requested in writing by the student with the specific reason for the leave request. It should include the approximate length of the requested leave. The approval of such leaves of absence shall be in writing by the School Director.

When a student returns from an approved leave of absence, s/he will be placed in the instructional program at the point commensurate with the skill level retained by the student at the time of his/her return. The School will assess this skill level in a counseling session with the student, or by employing a written or oral evaluation.



### Student Withdrawal Policy

Students who wish to withdraw should meet with the School Director to review their progress and options for completing their education at the School at a later date. Approval for return to the program will be determined based on course schedule and other factors at the discretion of the School.

### Student Conduct

Students are expected to establish good working relationships with their instructors, fellow students, and all other members of the Garden's staff. It is the policy of the School to treat all students equitably and to administer all policies, procedures, and rules and regulations consistently. When a student's performance is unsatisfactory or when students violate the policies and procedures of the School, the type of discipline selected will depend on the severity of the offense. Where warranted, the Director may elect to impose a suspension or termination whether or not there has been prior disciplinary action.

A student who wishes to appeal may present his/her case to the Director.

### 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.
- A student has six (6) years from the start of their first required course, to complete a Certificate.

### Certificate Graduation Ceremony

The 2023 ceremony will be held on the first Sunday of June. If you expect to complete your Certificate requirements or enroll in all remaining classes by June this year, you must inform the Manager of Adult Education in writing at [adultedgraduation@nybg.org](mailto:adultedgraduation@nybg.org) by March 24. Call the Registration Office at 718.817.8720 with any questions.

### Transcripts

Official (\$4 each) and Unofficial transcripts (free) are available from the Registration Office year-round. Official transcripts must be requested in writing, including the name and address of the institution to which the transcript is being mailed. Transcripts are mailed within two (2) weeks and a copy is 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 his/her prior consent.

### WHAT YOU SHOULD KNOW ABOUT STATE LICENSED PRIVATE SCHOOLS

The School of Horticulture and Landscape Design—which includes three programs: Horticulture, Horticultural Therapy, and Landscape Design—is licensed by 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.

Licensed private career schools offer curricula measured in clock hours, not credit hours. Certificates of completion are issued to students who meet clock hour requirements. The granting of any college credit to students who participate in and/or complete a program at a licensed private career school is solely at the discretion of the institution of higher education that the student may opt to subsequently attend.

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 submit a letter in writing to Manager of Adult Education at [nthomas@nybg.org](mailto:nthomas@nybg.org).

If that proves unsatisfactory, they may 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 two years after the date of alleged occurrence.



## Professional Societies, and Academic Programs

### 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 and Horticulture are invited to attend. Call Elaine Yellen at 914.723.4090 for details or drop by one of scheduled our meetings.

### 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 [apl.org](http://apl.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 complete a number of courses that the DEC and the New Jersey State Department of Environmental Protection (DEP) have approved for recertification credits.

### 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 more information, visit [nofa.org](http://nofa.org)

### The New York Botanical Garden & Bronx Community College Associate Degree Program

NYBG and Bronx Community College 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 718.817.8720 or Adijat Adebola at [adijat.adebola@bbc.cuny.edu](mailto:adijat.adebola@bbc.cuny.edu) or 718.289.5538.





## Tuition and Fees

Program	Tuition	Non-Refundable Registration Fee	Total
Horticulture: Plant Production: Track 1	\$ 4,343	\$100	\$4,443
Horticulture: Sustainable Landscape Management: Track 2	\$5,467	\$100	\$5,567
Horticulture: Arboriculture: Track 3	\$5,362	\$100	\$5,462
Horticulture: Sustainable Garden Design: Track 4	\$5,493	\$100	\$5,593
Landscape Design	\$9,237	\$100	\$9,337

## Refunds and Withdrawals

No discounts will be granted for missed classes. A 100% refund will be issued if your class is cancelled due to low enrollment. A student who cancels within 7 days of signing the enrollment agreement receives all monies returned with the exception of the non-refundable registration fee. Thereafter, a student will be liable for all of the following:

1. the non-refundable registration fee
2. the cost of any textbook or supplies accepted
3. tuition liability as of the student's last date of physical attendance

Because students pay tuition on a class-by-class basis, tuition liability is based on the cost of each individual class. Total tuition liability is limited to the quarter during which the student withdrew or was terminated and any previous quarters completed.

The charts below indicates what % of the student's tuition the school may keep, based on when the student withdraws or is terminated.

### FOR COURSES LONGER THAN 6 WEEKS

First Quarter	% of tuition the school may keep	% of tuition the student is due
Prior to or during the first week	0%	100%
During the second week	25%	75%
During the third week	50%	50%
During the fourth week	75%	25%
After the fourth week	100%	0%
Subsequent Quarters		
During the first week	25%	75%
During the second week	50%	50%
During the third week	75%	25%
After the third week	100%	0%

### FOR COURSES 6 WEEKS OR LESS

	% of tuition the school may keep	% of tuition the student is due
0–15% of the program complete	0%	100%
16–30% of the program complete	25%	75%
31–45% of the program complete	50%	50%
46–60% of the program complete	75%	25%
More than 60% of the program complete	100%	0%

To withdraw from a class and request a refund, please contact the Manager of Adult Education at [nthomas@nybg.org](mailto:nthomas@nybg.org) or 212-302-2054. The failure of a student to immediately notify the Director in writing of the student's intent to withdraw may delay a refund of tuition to the student pursuant to Section 5002(3) of the Education Law.

## Weekly Student Liability Chart

### Horticulture Track 1 – Plant Production

The charts below indicate how much a refund would be in the event that a student had to withdraw or cancel their enrollment of particular courses during the program.

FIRST QUARTER	Prior to or during the first week	During the second week	During the third week	During the fourth week	After the fourth week
Intro to Plant Science	\$435	\$326.25	\$217.50	\$108.75	\$0

SUBSEQUENT QUARTERS	During the first week	During the second week	During the third week	After the third week
Soil Science I	\$371.25	\$247.50	\$123.75	\$0
Disease Identification and Management	\$371.25	\$247.50	\$123.75	\$0
Plant Propagation I: Basic Principles	\$393.75	\$262.50	\$131.25	\$0
Nursery and Greenhouse Measurement	\$453.75	\$302.50	\$151.25	\$0
Horticultural Techniques: Greenhouse Practices	\$296.25	\$197.50	\$98.75	\$0
Soil Science II	\$333.75	\$222.50	\$111.25	\$0
Plant Propagation II: Applications	\$351.75	\$234.50	\$117.25	\$0
Insect Pests of Landscape Plants	\$359.25	\$239.50	\$119.75	\$0





## Weekly Student Liability Chart

### Horticulture Track 2 – Sustainable Landscape Management

The charts below indicate how much a refund would be in the event that a student had to withdraw or cancel their enrollment of particular courses during the program.

#### FIRST QUARTER

	Prior to or during the first week	During the second week	During the third week	During the fourth week	After the fourth week
Intro to Plant Science	\$435	\$326.25	\$217.50	\$108.75	\$0

#### SUBSEQUENT QUARTERS

	During the first week	During the second week	During the third week	After the third week
Soil Science I	\$371.25	\$247.50	\$123.75	\$0
Mathematics for Horticulturalists	\$123.75	\$82.50	\$41.25	\$0
Horticultural Techniques: Landscape Gardening	\$371.25	\$247.50	\$123.75	\$0
Invasive Weed Identification and Management	\$296.25	\$197.50	\$98.75	\$0
Insect Pests of Landscape Plants	\$371.25	\$247.50	\$123.75	\$0
Soil Science II	\$333.75	\$222.50	\$111.25	\$0
Disease Identification and Management	\$371.25	\$247.50	\$123.75	\$0
Landscape Management	\$476.25	\$317.50	\$158.75	\$0
Pruning Principles and Practices	\$318.75	\$212.50	\$106.25	\$0
Basic Design and Irrigation Systems	\$246.75	\$164.50	\$82.25	\$0
Starting a Small Landscaping Business	\$228.75	\$152.50	\$76.25	\$0
Tree Management	\$276.75	\$184.50	\$92.25	\$0

## Weekly Student Liability Chart

### Horticulture Track 3 – Arboriculture

The charts below indicate how much a refund would be in the event that a student had to withdraw or cancel their enrollment of particular courses during the program.

#### FIRST QUARTER

	Prior to or during the first week	During the second week	During the third week	During the fourth week	After the fourth week
Intro to Plant Science	\$435	\$326.25	\$217.50	\$108.75	\$0

#### SUBSEQUENT QUARTERS

	During the first week	During the second week	During the third week	After the third week
Soil Science I	\$371.25	\$247.50	\$123.75	\$0
Disease ID	\$371.25	\$247.50	\$123.75	\$0
Landscape Plants: Fall Trees and Shrubs	\$243.75	\$162.50	\$81.25	\$0
Pruning Principles and Practices	\$318.75	\$212.50	\$106.25	\$0
Soil Science II	\$333.75	\$222.50	\$111.25	\$0
Winter Tree Identification	\$243.75	\$162.50	\$81.25	\$0
Landscape Plants: Conifers	\$243.75	\$162.50	\$81.25	\$0
Chainsaws: Use, Safety, and Maintenance	\$119.25	\$79.50	\$39.75	\$0
Landscape Plants: Spring Trees and Shrubs	\$243.75	\$162.50	\$81.25	\$0
Insect Pests of Landscape Plants	\$359.25	\$239.50	\$119.75	\$0
Urban Tree Care	\$243.75	\$162.50	\$81.25	\$0
Tree Climbing for Arborists	\$326.25	\$217.50	\$108.75	\$0
Tree Management	\$276.75	\$184.50	\$92.25	\$0



## Weekly Student Liability Chart

### Horticulture Track 4 – Sustainable Garden Design

The charts below indicate how much a refund would be in the event that a student had to withdraw or cancel their enrollment of particular courses during the program.

#### FIRST QUARTER

	Prior to or during the first week	During the second week	During the third week	During the fourth week	After the fourth week
Intro to Plant Science	\$435	\$326.25	\$217.50	\$108.75	\$0

#### SUBSEQUENT QUARTERS

	During the first week	During the second week	During the third week	After the third week
Soil Science I	\$371.25	\$247.50	\$123.75	\$0
Late Season Perennials & Grasses	\$243.75	\$162.50	\$81.25	\$0
Landscape Design History	\$491.25	\$327.50	\$163.75	\$0
Plants for Landscaping	\$326.25	\$217.50	\$108.75	\$0
Broadleaved Evergreens	\$179.25	\$119.50	\$59.75	\$0
Graphics I	\$491.25	\$327.50	\$163.75	\$0
Plant Communities	\$138.75	\$92.50	\$46.25	\$0
Annual and Perennial Garden Maintenance	\$161.25	\$107.50	\$53.75	\$0
Bulbs	\$221.25	\$147.50	\$73.75	\$0
Spring Trees and Shrubs	\$243.75	\$162.50	\$81.25	\$0
Spring Perennials	\$179.25	\$119.50	\$59.75	\$0
Annuals	\$161.25	\$107.50	\$53.75	\$0
Sustainable Garden Care	\$161.25	\$107.50	\$53.75	\$0
Sustainable Garden Design	\$401.25	\$267.50	\$133.75	\$0

## Weekly Student Liability Chart

### Landscape Design

The charts below indicate how much a refund would be in the event that a student had to withdraw or cancel their enrollment of particular courses during the program.

<b>FIRST QUARTER</b>	<b>Prior to or during the first week</b>	<b>During the second week</b>	<b>During the third week</b>	<b>During the fourth week</b>	<b>After the fourth week</b>
Landscape Design History	\$655	\$491.25	\$327.50	\$163.75	\$0

<b>SUBSEQUENT QUARTERS</b>	<b>During the first week</b>	<b>During the second week</b>	<b>During the third week</b>	<b>After the third week</b>
Graphics I	\$491.25	\$327.50	\$163.75	\$0
Fall Trees and Shrubs	\$243.75	\$162.50	\$81.25	\$0
Plants for Landscaping	\$326.25	\$217.50	\$108.75	\$0
Landscape Design I	\$476.25	\$317.50	\$158.75	\$0
Graphics II	\$491.25	\$327.50	\$163.75	\$0
Site Materials and Details	\$476.25	\$317.50	\$158.75	\$0
Landscape Design II	\$476.25	\$317.50	\$158.75	\$0
Grading & Drainage	\$596.25	\$397.50	\$198.75	\$0
Graphics III	\$491.25	\$327.50	\$163.75	\$0
Estimating	\$179.25	\$119.50	\$59.75	\$0
Spring Trees and Shrubs	\$243.75	\$162.50	\$81.25	\$0
Landscape Measurement	\$246.75	\$164.50	\$82.25	\$0
Landscape Design III	\$476.25	\$317.50	\$158.75	\$0
Business Practices for the Landscape Professional	\$228.75	\$152.50	\$76.25	\$0
Landscape Design IV	\$681.75	\$454.50	\$227.25	\$0
Portfolio and Presentation Skills	\$311.25	\$207.50	\$103.75	\$0



# Registration & General Information

## Registration

### Web

*The quickest way to register for a class is to visit [nybg.org/adulted](http://nybg.org/adulted)*

### Phone

718.817.8720 Registration Office, M–F 9 am–5 pm

### 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.

### 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

### Storm Closings

*Class cancellations due to inclement weather will be rescheduled.*

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

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

### Financial Assistance

Financial assistance is available through Adult Career and Continuing Education Services—Vocational Rehabilitation (ACCES-VR) and the Veterans Administration Educational Benefits. ACCES-VR services are for individuals with disabilities that interfere with getting or keeping a job or who have difficulty advancing at their job. For more information, refer to: <http://www.acces.nysed.gov/vr/apply-vocational-rehabilitation-services> Additionally, VAEB provides benefits to eligible veterans of the United States armed forces. An educational allowance may also be available to spouses and children of veterans, under Title 38, Chapter 35. Contact the School's Director for further information.

### Accessibility

The New York Botanical Garden is accessible and accommodating to persons with disabilities. Please ask about accommodations when you register. For general information about accessibility at the Garden, visit [nybg.org](http://nybg.org).

### School Facilities

For the latest policies, please visit [nybg.org/learn/adult-education/about-us/](http://nybg.org/learn/adult-education/about-us/).

### Non-Discrimination Policy

NYBG's School of Horticulture and Landscape Design has a policy of non-discrimination. It prohibits discriminatory actions against and treatment of applicants for admissions based on actual or perceived race, color, national origin, alienage or citizenship status, religion or creed, gender, disability, age (18 and over), military status, prior record of arrest or conviction, marital status, genetic predisposition or carrier status, sexual orientation, or status as a victim of domestic violence, a sex offense, or stalking. The New York Botanical Garden is an affirmative action, equal opportunity employer.

### Disclosure Statement

The student should be aware that some information in the catalog may change. It is recommended that students considering enrollment check with the school director to determine if there is any change from the information provided in the catalog. In addition, a catalog will contain information on the school's teaching personnel and courses/curricula offered. Please be advised that the State Education Department separately licenses all teaching personnel and independently approves all courses and curricula offered. It is again recommended that the student check with the school director to determine if there are any changes in the courses/curricula offered or the teaching personnel listed in the catalog.



## Grow with NYBG

Change your career. Beautify your green space. Exercise your creativity. Renew your spirit. The New York Botanical Garden has hundreds of classes to educate, inspire, and guide you.

*Classes meet online, in our 250 magnificent acres in the Bronx,  
and at our Midtown Education Center at 20 West 44th Street.*