

ADULT EDUCATION

Oct 2016 - Mar 2017

Photo: Tania Clarke

Vancouver Botanical Gardens Association

5251 Oak St. at West 37th Ave, Vancouver BC V6M 4H1
Bloedel Conservatory: at the top of Queen Elizabeth Park
www.VanDusenGarden.org

BOTANY & ECOLOGY

Introduction to Bird Watching

From Anna's hummingbirds to bald eagles, the Garden is frequented by many species of birds. Join VanDusen's long-time birding guide, Jeremy Gordon, for the basics of bird watching. He will discuss best birding resources such as binoculars and field guides, share tips on how to identify birds, and highlight hot birding spots in Vancouver. Following the one-hour indoor presentation, he will take the class out for a walk through the Garden to look for birds and put newly-learned ID skills to use. Dress for the weather, bring binoculars and a field guide if you have them.

Sat. Oct 8, 10 am - 12:30 pm | Member: \$35 / Non-member: \$42

Instructor: Jeremy Gordon

Diagnose Insect Damage

Insect damage on your plants? Learn how to identify the cause of the problem, why it is happening, and how much damage is indeed a problem. Using examples of damaged plant material for hands-on learning, discover how to analyze patterns and types of insect damage in order to narrow down the possibilities of who the culprit is. Learn about the different types of insect mouthparts and how they feed on your plants. If you have a plant needing diagnosis, bring in a sample in a well-sealed bag.

Sat. Oct 22, 10 am - 12:30 pm | Member: \$35 / Non-member: \$42

Instructor: Egan Davis



Photo: Tania Alexis Clarke

ID a World of Conifers

Further your plant ID skills outside using the extensive conifer collection at VanDusen. Garden staff, Samantha Sivertz, will review plant characteristics needed to identify conifers and how to use an identification key out in the field. The focus will be on conifers native to the West coast, Mediterranean, and in the Sino-Himalayan collection. Sam's engaging teaching weaves stories with the science, as well as handy tips and tricks to help you remember the trees. This class is designed for those who already know a catkin from a cone, and are ready to spend the afternoon outside in the Garden, rain or shine.

Sat. Oct 22, 2:30 - 5 pm | Member: \$35 / Non-member: \$42

Instructor: Samantha Sivertz

Mason Bee House Cleaning Workshop

Mason bees need a clean nest for optimal health, and this hands-on workshop shows you how to do it and why it is important. Led by Bee Master Brian Campbell, participants will open nests, understand the bee-built architecture inside, and look for problems such as parasitic wasps, carpet beetles, fungus and mites. The bee cocoons will be taken out and washed, while home invaders such as wasps will be found and removed. If you have a mason bee nest, bring it to class for cleaning, as well as a clean mason jar and a flashlight.

Sat. Oct 29, 1:30 - 4 pm | Member: \$35 / Non-member: \$42

Instructor: Brian Campbell

Beneficial Insects in your Garden

Healthy gardens host an abundance of different beneficial insects - some pollinating, others preying on plant pests, and all contributing to a dynamic ecosystem. Learn why and how to increase the allure of your garden to lacewings, ladybugs, parasitic wasps, a diversity of bees, and more. We will look at insects using microscopes, explore how bees see in UV light, and other ways that insects find the plants that support them. Leave with new skills, ideas and tools to support beneficial insects, and grow a healthy garden.

Sat. Feb 18, 10 am - 12:30 pm | Member: \$35 / Non-member: \$42

Instructor: Brian Campbell

Backyard Beekeeping

Join BC bee expert Brian Campbell for an introduction to honeybees and how to keep a hive of honeybees in an urban environment. He will give an overview of bee biology, bee and hive behaviour, threats such as mites, and more. Learn what is required to keep bees in the city, the essential equipment and tools, and where to find them.

Sat. Mar 25, 10 am - 12:30 pm | Member: \$35 / Non-member: \$42

Instructor: Brian Campbell

Six Weeks in Sweden with Egan

During the summer of 2016, Egan Davis spent six weeks in Sweden, primarily to volunteer at the Gothenburg Botanical Garden, and to explore the surrounding areas, including the many pop-up parks and gardens found in Sweden's second largest city. During his talk, Egan will share photos, stories, and lessons learned from the gardens, and the socially and politically progressive people of Gothenburg. Hear his thoughts on the influence on society when parks and public spaces are highly valued by the broad community.

Wed. Mar 29, 7 - 8:30 pm

Member: \$15 / Non-member: \$20

Instructor: Egan Davis

*K-12 teachers are eligible
for free Gardening, Botany
and Ecology courses.
Call 604-718-5898 for info.*

PLANTS & PEOPLE

Bitters: From Snake Oil to Artisanal Cocktails

Originally used for medicinal purposes, these days you will more likely find bitters used by bartenders to flavour cocktails. Made with infusions of roots, barks, fruit peels, seeds, spices, herbs and flowers, the spectrum of flavours that can be achieved with bitters is seemingly limitless. Cole Benoit, proprietor of The Apothecary Bitters Company, will take you through the fascinating history of bitters, beginning as herbal remedies in the 17th century, into a multi-million dollar industry with bold claims of curing ailments of all kinds in the 19th century, through to prohibition and the recent re-emergence in modern cocktails. While sampling classic style cocktails made with spirits provided by Long Table Distillery, we will explore some of the botanicals commonly used as bittering agents and discuss current uses in artisanal cocktails that you can try at home. Ages 19+ only with valid photo ID.

Thurs. Oct 27, 7 - 8:30 pm | Member: \$35 / Non-member: \$42

Instructor: Cole Benoit

The Botany of Beer

This 2-part class explores the plants essential to beer through an interactive talk, a local microbrewery tour, and plenty of tasting. Presented in partnership with Bomber Brewing, this will be a focused look at the ingredients in beer from a global, historical and scientific perspective. Learn why women were once the only people allowed to brew beer, how the chemical compounds in hops and yeast affect beer, taste malted (germinated) barley, and look through a microscope at the resin on hops, crystal malt, and germinated barley.

The first evening will be an interactive talk at VanDusen, including sampling beer brewed by Bomber Brewing with ingredients harvested from the Garden. The second evening will be a tour and tasting at Bomber Brewing among the tanks of fermenting ales. Price includes talk, brewery tour, and beer tasting at both locations. Ages 19+ with valid photo ID only.



Option 1: Wed. Nov 16, 6:30 - 8:30 pm AND Wed. Nov 23, 6:30 - 7:30 pm

Option 2: Wed. Nov 16, 6:30 - 8:30 pm AND Thurs. Nov 24, 6:30 - 7:30 pm

Member: \$60 / Non-member: \$70

Instructors: Paul Pyne, Bomber Brewing & Samantha Sivertz, VanDusen



Culinary Herbs that Changed the World

Mints, bay laurel, garlic, basil – discover the global importance of these and other herbs through a culinary and historical lens. Learn how they shaped the world, and our palate, and which plants can be easily grown in your garden. Herbs, like spices, were highly valued, traded as currency, and drove advances in trade, exploration, medicine, while also leading to strife and sometimes war. Learn how herbs impart key flavours and also give us specific protective, nutritional and/or medicinal benefits.

Wed. Nov 23, 6 - 8:30 pm | Member: \$35 / Non-member: \$42

Instructor: Claire Smith



Mixology and your Garden

With the holiday season just around the corner, what better time to broaden your entertaining toolkit with some botanical cocktails? Cole will discuss botanicals you can grow in your home garden for cocktails, and ideas for using and preserving them for optimal flavour. We'll sample cocktails made with winter inspired botanical ingredients and locally distilled spirits provided by Long Table Distillery, We'll also discuss home bar basics such as tools and techniques to get started. Ages 19+ only with valid photo ID.

Thurs. Nov 24, 7 - 8:30 pm | Member: \$35 / Non-member: \$42

Instructor: Cole Benoit

Herbs for Health – the Backyard Medicine Cabinet

Discover herbs that can be grown in gardens, planters, or your kitchen to be used as everyday medicines. Claire will discuss a brief history of traditional uses of herbs for healing properties, and medicinal plant gardens throughout the world. With an understanding of the potency and cautions of both culinary and medicinal herbs, she will cover how to make tinctures, teas, salves, and poultices. Participants will make a herbal tea to take home.

Wed. Jan 18, 6 - 8:30 pm | Member: \$35 / Non-member: \$42

Instructor: Claire Smith

GARDENING & DESIGN

Gardening with Ferns

Ferns are graceful, dependable and low maintenance, and will thrive in most gardens. These fuss-free beauties have a delicate appearance, yet most are highly adaptable and hardy in average garden conditions. This class will explore how to incorporate ferns into your garden, offering interesting textural contrast to other plants. Learn which species are drought tolerant vs needing moisture, which are evergreen, and which are native to BC.

Wed. Oct 19, 6:30 - 9 pm | Member: \$35 / Non-member: \$42

Instructor: Janis Matson

New! Building Healthy Soil

A successful garden grows from healthy organic soil. Join VanDusen gardener, Casey Werfl, for an exploration of different soil amendments, including compost, leaves, straw, manures, mulch and more! Learn how different materials enhance your soil, foster a healthy soil ecosystem, and grow strong plants with greater resistance to pests and disease. Class will include a walk in the garden to see and feel the results of soil amendments over the years. Dress for the weather.

Sat. Oct 29, 10 am - 12:30 pm | Member: \$35 / Non-Member: \$42

Instructor: Casey Werfl

Native Plants for all Gardens

With close to 3,000 species of plants native to BC, there is something beautiful for every home garden. Native plants are well-adapted to our climate, support wildlife and contribute to the urban ecosystem. Understand the similarities between the conditions in your garden and local natural areas, and how to integrate native species of plants for stylish and low maintenance results.

Wed. Nov 16, 6 - 8:30 pm | Member: \$35 / Non-member: \$42

Instructor: Janis Matson



Soil Workshop for Gardeners

Get a practical understanding of your soil with this workshop that combines lecture and hands-on lab activities using soil from participants' gardens. Egan will lead the group through an analysis of the structure and texture of their soil, test the pH, and look for living soil organisms. Pooling the results to look for trends and connections, you will interpret the results, compare the different soils and discuss how it relates to healthy plants and gardens. Bring a small sample of your soil (approx. 2 cups) in a clear jar with a good lid. Bring lunch.

Sat. Nov 26, 10 am - 3 pm | Member: \$65 / Non-member: \$75

Instructor: Egan Davis



New! Pruning - Tree Structure and Vines

During this seasonal look at pruning, join VanDusen gardener, Casey Werfl, for an overview of the fundamentals of pruning, and specifics on tree structure and vines. This time of year is perfect for seeing how the structure of trees and shrubs can be modified with pruning, and how the plant will respond. Pruning vines such as *Wisteria*, kiwi and honeysuckle will also be discussed. Course will include ample time in the Garden to examine plants in need of pruning, see the results of past pruning, and demonstrate proper techniques and clever tips.

Sat. Nov 19, 10 am - 1 pm | Member: \$45 / Non-member: \$52

Instructor: Casey Werfl

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for free Gardening, Botany
and Ecology courses.
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Landscape Design Basics

Whether designing a formal entrance to your home, or a cosy retreat in the backyard, there are fundamental principles that should be considered with any landscape design. This course will cover the importance of the environmental details of the site such as the soil, grade or slope, sun exposure and natural water or irrigation. Janis will also discuss basic parameters of design such as focal points, scale, odd numbers, colour, balance and more. Come ready for a walk in the Garden.

Wed. Feb 1, 6 - 8:30 pm | Member: \$35 / Non-member: \$42

Instructor: Janis Matson

New! Spring Pruning

This course with long-time VanDusen gardener, Casey Werfl, takes a seasonal look at pruning, with focus on flowering shrubs, and renovation pruning. Casey will give a brief overview of the universal guidelines and logic for pruning, and some basic botany to help you understand how plants respond to being pruned. Class will cover knowing when and how to prune flowering shrubs for maximum blooms, and how to rejuvenate a plant and stimulate lots of new growth through renovation pruning. Course will include a walk in the Garden to examine plants in need of pruning and how to do it, see the results of past pruning and demonstrate proper techniques. Dress for the weather.

Sat. Feb 4, 10 am - 2 pm | Member: \$55 / Non-member: \$62

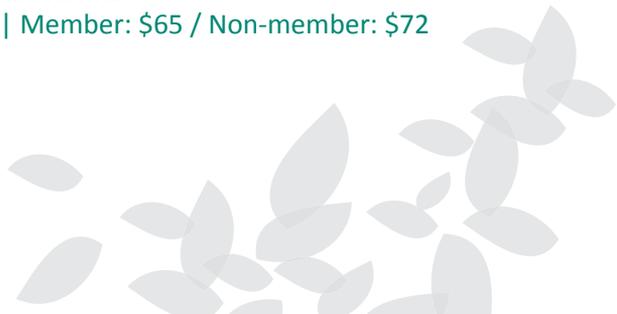
Instructor: Casey Werfl

Healthy Soils, Healthy Humans

Home-grown food should be ultra-tasty and nutritious, but in reality, the nutrient value can vary greatly depending on what is in your soil. Discover the connection between amazing flavours, soil health, your health and an overall healthier planet. This 2-part course will look at beneficial microbes in living garden soil, macro and micronutrients needed by plants, and the best ways to build soil health to increase the nutrition in your crops. Learn which organic soil builders, boosters and fertilizers are best, how to grow cover crops and bioaccumulators and what they can also add to your soil structure. Learn how to compost, match the best composter to your needs, and make compost tea, including actively aerated compost teas (like probiotics for your soil). Everyone will make a compost tea bag to take home.

Wed. Feb 8 AND 15, 6 - 8:30 pm | Member: \$65 / Non-member: \$72

Instructor: Claire Smith



Veggies - What to Grow and When to Sow

For new (or always improving) vegetable gardeners, this course will cover the basics on what are the best veggies to grow in our climate, and how to successfully get started. Claire will discuss which plants should be purchased as starts (small potted plants), which should be grown from seed, and when they should be planted. Successful seed growing tips will include soils, how to prepare and sow the seeds, hardening off and transplanting seedlings.

Wed. Feb 22, 6 - 8:30 pm | Member: \$35 / Non-member: \$42

Instructor: Claire Smith



10 Essential Herbs for Every Garden

Learn about 10 herbs that are workhorses of the garden; attracting pollinators and predatory insects, warding off harmful pests, increasing yields of other plants, beautifying the garden, and providing culinary and medicinal benefits. Understand when and where to plant these vital herbs, their many uses, and what they need to prosper.

Wed. Mar 8, 6:30 - 9 pm | Member: \$35 / Non-member: \$42

Instructor: Claire Smith

All About Roses

Increase your enjoyment and decrease the challenges of growing roses successfully in your garden. Understand the different types of roses and which are formal, informal, shrub, species, Hybrid tea, Floribunda, Old Garden roses, and more. Learn how to select proper roses for your home, including disease resistance, size and nutritional value of hips, and fragrance. Learn through demonstration how to prune different types of roses, disinfect tools, and the correct timing of pruning.

Sat. Mar 11, 10 am - 12:30 pm | Member: \$35 / Non-member: \$42

Instructor: Egan Davis

Janis' Top 25 Plants for Easy Maintenance

Discover Janis's favourite trees, shrubs and herbaceous perennials for the low maintenance garden and why they made the cut. Janis will discuss easy maintenance from the perspective of pruning (or lack thereof), drought tolerance, cleanliness, and other characteristics. Class includes a Garden walk.

Wed. Mar 15, 6:30 - 9 pm | Member: \$35 / Non-member: \$42

Instructor: Janis Matson

BOTANICAL ARTS

All botanical art classes are limited to 15 students unless otherwise noted.

Drawing Nature

This two-part workshop is for everyone who finds inspiration in nature, and wants to improve their ability to capture the beauty or the detail through drawing. Learn through fun exercises with different drawing techniques using pencil, pen and ink. The days will be spent both in the classroom, and outside in the Garden (weather permitting).

Sun. Oct 16 AND Nov 20, 10 am - 2 pm (2 sessions)

Member: \$100 / Non-member: \$115

Instructor: Katharine Dickinson

New! Botanical Illustration Level 1

Learn how to draw plants from an aesthetic and botanical perspective while improving your observation and artistic skills. This six-session course is ideal for anyone wishing to learn the basics of botanical drawing. Students will be given step-by-step instructions on how to progress through botanical drawing projects using graphite pencil. Katharine will guide students through contour and gesture drawing exercises, followed by longer studies using line and tonal drawing techniques.

Fri. Oct 21, 28, Nov 4, 18, 25 & Dec 2

10 am - 12:30 pm (6 sessions, no class Nov 11)

Member: \$210 / Non-member: \$230

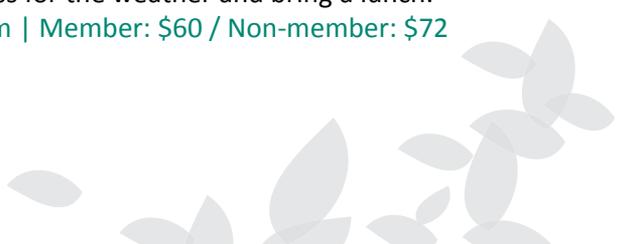
Instructor: Katharine Dickinson

Digital Photography with your Smart Device

Improve your digital photography skills using your iPhone, Android, iPad or other smart device. Class will begin with photography composition principles and techniques, hands-on practice using your device, and constructive instructor feedback. Practice course concepts in the Garden, then return to the classroom for shared feedback. Using the free app, Pixlr, we will learn editing techniques to enhance and improve your images. We will also discuss editing for different publishing options (blogs, printing, Instagram), colour correction, filters and more. Bring your fully charged device and install the free Pixlr app (<https://pixlr.com/mobile>) before class. Dress for the weather and bring a lunch.

Sat. Oct 29, 10:30 am - 3:30 pm | Member: \$60 / Non-member: \$72

Instructor: Jenni Rempel



Watercolour in Winter

Take a winter trip through painting, finding inspiration in the texture and muted colours of winter foliage, or from photographs of flowers in any season. Susan's group and individual instruction ensures that each participant can progress at their right pace as they develop techniques such as layering of colour, wet into wet, dry brush, splattering and using salt. This course is suitable for novices or those seeking a refresher on watercolour techniques. Bring your own watercolour painting supplies.

Thurs. Nov 3, 10, 17, 24 & Dec 1, 10 am - 12:30 pm (5 sessions)

Member: \$180 / Non-member: \$195

Instructor: Susan Pearson

Introduction to Chigiri-e Paper Art

Chigiri-e is a Japanese art form where the primary technique uses pieces of beautifully hand-dyed washi paper to create images. The result can resemble a watercolour painting with a delicate texture. During this 2-hour introduction to the technique, Leanne will guide you through the steps to create a small picture of a fall landscape. Supplies are included. Limited to 10 students.

Thurs. Nov 24, 1:30 - 3:30 pm | Member: \$50 / Non-member \$60

Instructor: Leanne Hildebrand



Chigiri-e artwork by Leanne Hildebrand

Festive Watercolour Cards

Paint your own unique watercolour greeting cards using poinsettia, holly and berries as your festive still life subjects. We will create these little works of art using techniques such as subtle layers of washes, wet on wet, wet on dry, and using the white of the paper to create snow covered landscapes. Bring your own painting supplies and a lunch; we will provide six 5" x 7" blank art cards per participant.

Thurs. Dec 8, 10 am - 2 pm | Member: \$62 / Non-member: \$70

Instructor: Susan Pearson

New! Drawing Birds in the Conservatory

Whether it's purely for the fun of drawing, or to strengthen observation skills to identify birds, learn how to capture the plain form and some essential features of birds with simple sketches. This class will start in the classroom at VanDusen, practising drawing simple shapes, exploring straightforward and quick sketching techniques. It will then move up to Bloedel Conservatory to practice while observing real birds in a warm and tropical environment.

Bring your lunch and a clipboard.

Sat. Jan 21, 10 am - 3 pm | Instructor: Katharine Dickinson

Member: \$60 / Non-member: \$72

New! Botanical Illustration Level 2

This class is for those with some basic drawing experience, looking to further develop various skills to draw beautiful and accurate botanical subjects. Students begin with gesture and contour drawing exercises, enhance pencil drawing skills and explore tonal wash techniques using ink or watercolour paint. Katharine's group and individual instruction ensure that each participant can progress at their right pace.

Fri. Feb 3, 10, 17, 24, Mar 3 & 10, 10 am - 12:30 pm (6 sessions)

Member: \$210 / Non-member: \$230

Instructor: Katharine Dickinson



Katharine Dickinson

Watercolour Closeup on Nature

This workshop is the watercolour painting version of macro photography. Taking a zoomed-in look at flowers or other natural subjects, we will explore watercolour techniques which help to create sharp focus and close up detail. Using botanicals from the Garden, or spectacular macro floral photographs, participants can choose to paint from realism to abstract. Bring your own watercolour painting supplies.

Thurs. Feb 9, 16, 23, Mar 2 & 9, 10 am - 12:30 pm (5 sessions)

Member: \$180 / Non-member: \$195

Instructor: Susan Pearson

Outdoor Portrait Photography

Learn how to bring out the best in your subjects, or get that perfect family photo while capturing the beauty of an outdoor setting. Explore how to pose and position people, and get tips on coaching that are more effective than “Say Cheese!” Jenni will cover guidelines and tips for pleasing photo composition, and camera settings for best portraits. Understand how to use natural light and practice using DIY reflectors to make your subjects pop. Bring your camera with a blank memory card, and bring a lunch. Rain or shine – bring an umbrella if it rains.

Sat. Mar 11, 10:30 am - 3:30 pm | Member: \$60 / Non-member: \$72

Instructor: Jenni Rempel

Photography in the Tropics

Learn how to take great photos in the lower light conditions found in a rainforest. Enjoy the tropical warmth of Bloedel Conservatory during a photography lesson and a couple of hours taking shots with Ron Long nearby for advice. The course will conclude at VanDusen Garden with a group critique of participants’ photos and review of how use a higher ISO in low light.

Sat. Mar 18, 10:30 am - 3:30 pm | Member: \$60 / Non-member: \$72

Instructor: Ron Long

HEALTH & WELLNESS

Brain and Body Workout for Boomers and Beyond

This class, designed by Kinesiologists and Occupational Therapists, is an evidence-based program to improve both physical and brain conditioning by combining physical movement and exertion with coordination, rhythm, strategy, creativity, and dual task/executive function exercises. Class takes place in the beautiful VanDusen Guides Classroom in the Visitor Centre. Bring an exercise mat and wear comfortable footwear and clothing.

Series 1: Tues. Nov 8, 15, 22, 29, Dec 6 & 13, 10:30 - 11:30 am (6 sessions)

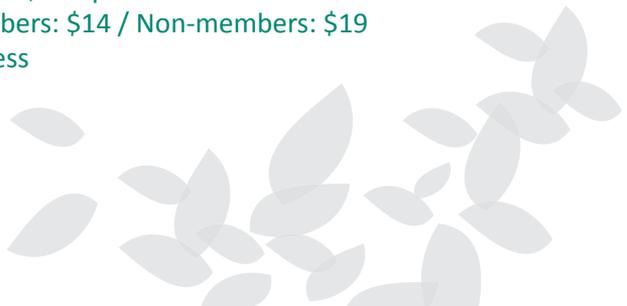
Series 2: Tues. Jan 17, 24, 31, Feb 7, 14 & 21, 10:30 - 11:30 am (6 sessions)

Series 3: Tues. Mar 28, Apr 4, 11, 18, 25 & May 2, 10:30 - 11:30 am (6 sessions)

Members: \$75 / Non-members: \$100 per series

Single class drop-in rate: Members: \$14 / Non-members: \$19

Instructor: Love Your Age Fitness





Better Balance Workout for Seniors

This is a gentle class for all levels, focused on balance and mobility for fitness and for preventing falls. Exercises can be done seated or standing, and participants will increase their functional strength and mobility, core stability, lower body strength, and improve their balance.

Series 1: Wed. Nov 9, 15, 23, 30, Dec 7 & 14, 12:00 - 12:45 pm (6 sessions)

Series 2: Wed. Jan 18, 25, Feb 1, 8, 15 & 22, 12:00 - 12:45 pm (6 sessions)

Series 3: Wed. Mar 29, Apr 5, 12, 19, 26 & May 3, 12:00 - 12:45 pm (6 sessions)

Members: \$75 / Non-members: \$100 per series

Single class drop-in rate: Members: \$14 / Non-members: \$19

Instructor: Love Your Age Fitness

Yin Yoga and Meditation

Enjoy a mindful morning of self-study during Cristina's gentle class. Yin yoga is a slow-paced style of yoga that focuses on stimulating the connective tissues of the body with the intention of increasing circulation in the joints and improving flexibility. The slow, mindful nature of yin yoga blends perfectly with a meditation practice and will leave you feeling rejuvenated and ready to approach your day. Bring a yoga mat, any props you may wish to use, and a light blanket or towel. Class takes place in the beautiful VanDusen Classroom with panoramic views of the Garden.

Series 1: Mon. Nov 7, 14, 21, 28, Dec 5 & 12, 10:15 - 11:30 am (6 sessions)

Series 2: Mon. Jan 16, 23, 30, Feb 6, 20 & 27, 10:15 - 11:30 am
(6 sessions, no class Feb 13)

Series 3: Mon. Mar 27, Apr 3, 10, 24, May 1 & 8, 10:15 - 11:30 am
(6 sessions, no class Apr 17)

Member: \$80 / Non-member: \$105 per series

Single class drop-in rate: Members: \$15 / Non-members: \$20

Instructor: Cristina Friere



We also offer **monthly bird walks, day camps and family activities.**

Want to stay up to date on our activities? Sign up for our monthly **Education Update.**

Visit www.vandusengarden.org for more information

REGISTRATION

Advance Registration is recommended for all programs

- **Option 1:** Go online at www.vandusengarden.org/register
- **Option 2:** Call 604-718-5898 between Tues. - Fri., 10 a.m. - 4 p.m. and have your credit card ready.

Cancellation and Refund Policy

- **Two weeks notice:** receive a refund, less a \$15 administration fee.
- **One week notice:** no refunds, but will receive a credit towards a future course, less a \$10 administration fee.
- **Less than one week:** no refunds or credit will be given.
- **Transferring to another course** is subject to a \$10 administration fee.

*Read about our instructors at
vandusengarden.org/learn/instructors*



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K - 12 Teachers are eligible for free Botany and Gardening classes. Call 604-718-5898.



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