Oregon Tilth Organic Land Care Training and Accreditation
Clackamas Community College
January 28th – February 1st, 2013

1/28/12

8:15 - 8:45am Continental Breakfast/Networking

8:45 - 9:35am Introduction to Oregon Tilth Accredited Organic Land Care, David Alba
This presentation includes an introduction to Oregon Tilth, a brief history of Organic Land Care and an overview of Organic Land Care accreditation. Accreditation is offered to all individuals who attend the annual 5-Day Oregon Tilth Accredited Organic Land Care Training, pass the OLC examination, and agree to abide by the program requirements and standards. Accreditation may be renewed in two- year increments through twelve (12) hours of continuing education and a biennial renewal fee of $175.

David is the Oregon Tilth Accredited Organic Land Care Program Manager. He coordinates organic land care trainings for landscape professionals and manages the accreditation program. In 2009, he helped edit and publish the Oregon Tilth Organic Land Care Field Guide and the Oregon Tilth Organic Land Care Policies and Standards. David has 20 years experience in organic horticulture, specifically in the areas of horticultural therapy, small farm management, and restoration.

9:35 – 9:45am Break

9:45 – 12noon Ecology-based Landscapes and Native Plants, Rick Martinson
The planning, design, installation, and maintenance of created landscapes based in ecological principles drastically reduces the need for artificial inputs, substantially reduces water use and provides ecological services not normally associated with more conventional landscapes. This lecture will provide general concepts, issues, concerns, and benefits of ecology based landscapes, discuss application of these techniques to LEED, Earth Advantage, and Living Building certification and present case studies from ten years of experience by the speaker.

Rick's background in plant ecology and environmental management spans over twenty years. His experiences range from working as a botanist for potential Wilderness Area studies under RARE II in the Northwest, to leading a team studying human impacts on presettlement conditions and completing studies as an ecologist for Wild & Scenic River analyses in the upper Midwest. Rick designs and installs award-winning landscapes focused on ecological principles and resource conservation. Rick is president of WinterCreek Restoration in Eastern Oregon, which specializes in native landscapes and restoration.

12:00- 1:00pm Lunch

1:00 – 2:30pm Organic Strategies for Weed Management in Lawns, Josh Vincent
Lawns can present many challenges for the organic practitioner. This presentation will review strategies for managing weeds in lawns, including organic products, tools, and addressing root causes of weed problems.

Josh is an organizer with the Northwest Center for Alternatives to Pesticide (NCAP) Pesticide-Free-Places campaign, a program that seeks to advance urban IPM strategies for use in public parks, as well as low-income housing and schools.

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2:30 – 2:45pm **Introductions: Name, Business or Association, Reason for Participating.**

2:45 – 3:00pm Break

3:00 – 3:45pm **Marketing OLC, Panel Discussion**

3:45 – 5:00pm **How Weeds Work and Why That Matters, Clay Antieau**

Weeds take up space, but their presence is only a small part of the invasive species story. This presentation describes ecological perceptions and phenomena that provide some intelligence about the management of invasive plant species in the Pacific Northwest. Successful weed management in natural or cultivated ecosystems is usually not about managing individual species, but rather managing characteristics essential to ecosystem integrity. This presentation will cover intriguing new ecosystem tools for managing weeds.

Clay lectures on weed management, including topics such as Weed Identification, A Brief History of Weed Science, and more recently, How Weeds Work…and Why that Matters which discusses recent scientific insights into invasiveness and invisibility. He has practical information for gardeners, landscape designers, as well as restorationists. He also gives presentations on Principles of Wetland Ecology; Pests and Diseases of Native Plants (including management recommendations); Native Plants as Ornamentals; 112 Years of Source Water Protection in the Cedar River Municipal Watershed (history of Seattle's drinking water watershed); and Plant Selection for Raingardens.

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8:15 - 8:45am Continental Breakfast/Networking

8:45 – 9:15 Landscaping with Perennials, Colleen Lockovitch
This presentation consists of a visual review of 12 worthy and often overlooked perennials that provide form, function and ecological benefit in the landscape.

Colleen Lockovitch has worked in both small and large high profile public botanical gardens in the United States and abroad for the past 16 years; from Oxford Botanic Gardens to the Chicago Botanic Garden. Most recently, she served as the Director of the Lurie Garden in Chicago's Millennium Park. Colleen's passion and drive is rooted in responsible horticultural practices benefiting the urban environment and ecosystem. Currently, Colleen serves as the Program Manager for Oregon Tilth's adult organic gardening classes.

9:15 - 12noon SOIL! James Cassidy
Soil is the fundamental basis of the wealth of every nation. All terrestrial life is dependent on it and, yet, most people never give it a second thought. We live off of the surplus energy derived from soils. Understanding what soil is, is essential for anyone interested in how it works. Soil is not in endless supply and is in-fact being lost at a rate of about 1 hectare every 8 seconds. Understanding soil is crucial for the organic practitioner.

James Cassidy is an instructor of Soil Science at Oregon State University and the faculty advisor and founder of the OSU Organic Growers Club - OSU's student farm. The club has been in existence for over 11 years and has had thousands of students cycled through the farm project.

12:00- 1:00pm Lunch

1:00-3:30pm Rainwater Harvesting in the Urban Landscape, Andrew Millison
This class will relate Permaculture perspectives on assessing the water needs and resources of a site and reading the drainage patterns in the urban environment. This session will examine the principles of rainwater harvesting as they relate to the urban landscape, industry standards and products for rainwater collection systems and look at some design examples.

Andrew Millison has been studying, designing, building, and teaching about Permaculture systems since 1996. He is an instructor in the Department of Horticulture at Oregon State University, teaching the Permaculture Design Certificate Course and the Advanced Permaculture Design Practicum.

3:30 – 3:45pm Break

3:45 – 5:00pm Permaculture Design Systems, Andrew Millison
This presentation will relate the whole system concept of Permaculture to real situations in the urban landscape and how the Permaculture design system integrates soil, water, vegetation, as well as social systems to transform broad urban areas into a mosaic of village-scaled cohesive communities.

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8:45 – 9:30 Accreditation Examination Review, David Alba

9:30 – 11:00am Organic Foundations, Jim Toler
Soil health is the primary focus in Organic Land Care. This presentation will focus on soil biology and fertility, including a discussion of progressional soils, soil testing, and soil inputs.

Jim, an Oregon Tilth Accredited Organic Land Care Practitioner, founded Willamette Organics in 2003 to serve the farming and landscape industries and has been instrumental in helping Oregon Tilth develop the Accredited Organic Land Care program. He has attended the Northeast Organic Farming Association's organic land care training and wrote the initial draft for the Oregon Tilth Organic Land Care Policies and Standards. He lives on a small historic farm in the Willamette Valley with his wife Erika where they raise chickens, sheep, milk goats and horses.

11:00 -12:00pm Compost Tea, Jim Toler
Compost tea is becoming more popular yet often misunderstood. This presentation will review the process of making compost tea and how it can be used in urban landscapes. Then we will look at Jim's application sprayer and demonstrate how compost tea is applied.

12:00- 1:00pm Lunch

1:00 - 1:45pm Organic Products, Panel Discussion

2:30 – 5:00pm Organic Arbor Care, Suzanne Spencer
This presentation will focus on planting, pruning, mulching, selection of trees and the role trees play in the urban landscape. The session will also review the importance of protecting trees from the impacts of construction and site development. This class will involve outdoor field study.

Suzanne is an Oregon Tilth Accredited Organic Land Care Practitioner, an ISA Certified Arborist and co-owner of Northwest Nativescapes. Suzie majored in Sociology and Anthropology at Lewis and Clark in Portland. She has a degree in horticulture and manages a portion of the Lewis and Clark College campus under the Oregon Tilth Organic Land Care Program.

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8:15 - 8:45am Continental Breakfast/Networking

8:45am – 5:00pm IPM, Plant Pathology, and Recordkeeping, Carrie Foss:

8:45 am -10:00 am Integrated Pest Management for Landscapes
Managing pests with an integrated approach is explained, including a description of techniques with examples of when they are used.

10:00 – 10:15 Break

10:15 am-12:00 pm Diagnosis and Plant Problems
Correct diagnosis of plant problems is essential to achieve effective pest management and reduce pesticide misapplications.

12:00- 1:00pm Lunch

1:00 pm- 2:45 pm Managing Disease Problems with IPM
Learn what IPM strategies work well for diseases and the appropriate timing for effective control.

2:45 – 3:00pm Break

3:00 pm- 4:45 pm IPM and Pesticide Recordkeeping
Learn how to monitor for pest problems and properly record management strategies, including pesticide applications.

Carrie is the Urban IPM Coordinator at WSU Puyallup. Carrie manages the WSU Urban IPM and Pesticide Safety Education Program in western Washington. She recently provided the leadership for construction of the Structural Pest IPM Training Facility where structural pest inspectors and pest managers will learn hands-on about inspecting and managing wood-destroying organisms and other indoor pests. Carrie also works with landscape and turf professionals, teaching them about integrated pest management, plant problem diagnosis, environmental protection and personal safety. Carrie earned a Bachelor of Science degree in botany from the University of Washington and a Master of Science degree in plant pathology from the University of Hawaii. Her background includes plant problem diagnosis, research on beneficial microorganisms and management strategies for turf and ornamental diseases.

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8:45- 11:00am Rain Garden Design and Construction, David Sandrock
This presentation will teach basic design principles involved in creating a rain garden and review essential factors to consider in constructing a rain garden. The class will involve a design activity and a tour of some examples on the campus.

David Sandrock, Ph.D. grew up on a small farm in Jefferson, Georgia. During high school and college he worked for a few local landscaping firms and eventually owned and operated his own landscape business. He earned a B.S. and M.S. in Horticulture from the University of Georgia and a Ph.D. in Horticulture from Oregon State University. He currently teaches in the Department of Horticulture at Portland Community College.

2:30-3:30pm A Small Dose of Toxicology, Steve Gilbert
This session will examine the health effects of many common agents ranging from pesticides and endocrine disruptors to popular foodstuffs like caffeine and alcohol, placing toxicology within the framework of our daily lives and offering an informed structure for examining the decisions we make about the substances with which we interact.

Dr. Steven G. Gilbert is an Affiliate Professor in the Department of Environmental and Occupational Health Sciences at the University of Washington in Seattle, and an Affiliate Professor in Interdisciplinary Arts & Sciences at the University of Washington in Bothell. He attends national and international conferences on toxicology and environmental health, participates in media interviews and public hearings, and has served on the board of directors of organizations including the Northwest Association for Biomedical Research, Washington Physicians for Social Responsibility, Institute for Children's Environmental Health, Resource Media, and Washington Toxics Coalition.

12:00- 1:00pm Lunch

1:00 – 2:30pm Small Engine Emissions, J.D. Fernstrom
This will review regulations implemented in the mid-1990's to reduce the emissions output of small, hand-held power equipment and provide an overview of the pollutants causing concerns with small engine products, the emissions standards currently in place, as well as overview of current emissions reducing engine technologies. After discussing the regulations and engine technologies we will focus on how this affects the person purchasing, using, and repairing the product.

J. D. Fernstrom is the Technical Services Manager for the Northwest United States; (Washington, Oregon, Idaho, & Alaska). He is responsible for all aspects of technical service for STIHL products. These responsibilities include offering service advice to retail dealers and customers, training of both retail and end-user customers, as well as the reporting of technical opportunities to the engineering dept. and assisting in testing of new products. He has been a technician in this industry for over 32 years, the last 16 years as the technical manager for STIHL Northwest.

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2:00 - 2:45pm **Market Opportunities/Closing Summary, David Alba**
Current industry trends indicate a rise in demand for sustainable landscaping. Also, the organic sector is growing steadily, even amidst a weak, national economy. This presentation will focus on how landscape professionals can utilize specific marketing tools to take advantage of these trends and convince consumers that sustainable landscapes are safe, beautiful and affordable.

3:00 - 5:00pm Accreditation Examination