

ESS Agenda & Course 3 Schedule

Garrett College

Room 210, Continuing Education Building
687 Mosser Road, McHenry, Maryland 21541

Day One - Wednesday, April 15, 2015

8:00 - 8:20 - REGISTRATION AND COFFEE/TEA/MORNING SNACKS

8:20 – 8:30 – WELCOME & ANNOUNCEMENTS

8:30 - 9:30 – Chuck Schuster, Extension Educator, University of MD Extension, Derwood, MD

ECOLOGY - AIR: Study the qualities of air including temperature, climate and chemical composition, as well as the relationship of climate and vegetation.

9:40 – 10:40 – Liz McDowell, Coordinator Western Mountains Chapter of Maryland Native Plant Society & Owner of Elk Ridge Native Plant Preserve

NATIVES BEAT BOTANICAL BULLIES: There are many native alternatives to the exotic invasive plants commonly used to landscape our homes, schools and businesses. Take a closer look at some of the amazing native plants of the mid-Atlantic. Learn how to ethically obtain these treasures and help them thrive in your own garden. Discover why so many native plant species are valued by both wildlife and people, as their little-known backstories are shared.

10:50-11:50 – Peter Skylstad, Professor of Biology, Natural Resources & Wildlife at Garrett College

PLANTS – THE RAIN FOREST: Explore rain forests, their functions, ecology and significance to earth's critical systems; study the causes of tropical deforestation and biodiversity loss; investigate actions that citizens, institutions, businesses and nations can take to halt the destruction of tropical forests.

11:50-12:40 – LUNCH (provided on-site)

12:40-1:40 – Chuck Schuster, Extension Educator, Univ. of MD Extension, Derwood, MD

ENVIRONMENTAL SCIENCE - POLLUTION: Investigate outdoor and indoor air pollution (natural and man-made); their effects on plants, animals, structures, the environment and human health.

2:00 – 4:00 – FIELD TRIP – BLUE MOON RISING ECO-TOURISM FACILITY. Our visit and tour will be conducted by Bryan Barnard and other staff who will show us how they are able to cultivate economic, environmental and social sustainability in the development and use of their 15 acre site using systems such as living roofs, solar power, permeable pavers, green buildings, etc. (Short drive from the college)

Agenda & Course 3 Schedule

Day Two – Thursday, April 16, 2015

8:00 - 8:20 – CHECK-IN AND COFFEE/TEA/MORNING SNACKS

8:20 – 8:30 – MORNING ANNOUNCEMENTS

8:30 - 9:30 – Jenna Linhart, Adjunct Faculty, Recreation & Parks Dept., Frostburg State Univ.; Programs Support & Planning, AmeriCorps for Evergreen Heritage Center, Mt. Savage, MD

EARTH STEWARDSHIP – MATERIAL SOURCES & CITIZEN EDUCATION PROGRAMS: Explore sources of environmental information; identify contacts at the local, state and federal level for information about how to report pollution; provide examples of working programs in adult environmental education.

9:40 - 10:40 – Jenna Linhart, Adjunct Faculty, Recreation & Parks Dept., Frostburg State Univ.; Programs Support & Planning, AmeriCorps for Evergreen Heritage Center, Mt. Savage, MD

ENVIRONMENTAL ETHICS: Learn how to foster a value system of right and wrong which respects earth, life on earth, and the interdependence of all nature; understand the moral duty, obligations and principals of responsible earth citizenship, ecosystem protection and healing.

10:50 - 11:50 – Kerry Wixted, Education & Outreach Specialist with Maryland DNR Wildlife & Heritage Service; Wildlife Ecology Instructor for Maryland Envirothon

WILDLIFE – ENDANGERED PLANTS & WILDLIFE: Explore the principle causes of species depletion and extinction, including the elimination of habitat, environmental toxics, natural causes and over-consumption; study the history and impact of the Endangered Species Act; explore ways to protect endangered plants and wildlife and the inter-relationships of all living things.

11:50 - 12:40 – LUNCH (provided on-site)

12:40 - 1:40 - Kerry Wixted, Education & Outreach Specialist with Maryland DNR Wildlife & Heritage Service; Wildlife Ecology Instructor for Maryland Envirothon

INITIATING SCHOOL PROGRAMS: Review inclusion of environmental education in schools, initiatives by business, industry and conservation organizations; consider opportunities to become involved with environmental education programs.

1:40 - 2:00 – COURSE REVIEW AND WRAP-UP

2:00 – 4:00 – WRITTEN EXAM

REGISTRATION FORM

ENVIRONMENTAL STUDIES SCHOOL – COURSE 3, SERIES I

THE LIVING EARTH – AIR & RELATED ISSUES

Wednesday & Thursday, April 15 & 16, 2015

Please choose your registration:

_____ Two-day course Registration Fee of \$100 includes two days of 8 one-hour classes, a two-hour field trip, printed Student Study Guide, and lunch on both days.

_____ April 15 Only Registration Fee of \$60 includes 4 one-hour classes, two-hour field trip, lunch

_____ April 16 Only Registration Fee of \$50 includes 4 one-hour classes, and lunch

Name: _____

Mailing Address: _____

Phone: _____ Email: _____

If NGC member: Club _____ District _____

Are you taking the written exam for credit toward Environmental Consultant status? ____ Yes ____ No

Are you taking this course as a refresher? ____ Yes

Mail registration form & check to: Linda Harris, 3252 Walnut Bottom Rd., Swanton, MD 21561
301-453-3293, lindaharris355@aol.com

Make check payable to: Mountain Laurel Garden Club

Any special needs or diet restrictions? If so, please provide details:

Environmental Studies School Course Information

Course 3, Series I – The Living Earth – Air & Related Issues

Wednesday & Thursday, April 15 & 16, 2015

Sponsored by Federated Garden Clubs of Maryland

President: Jackie Handley

District V Director: Carolyn Braverman

Hosted by the Mountain Laurel Garden Club, District V

President: Kathy Tucker

ESS Chair: Linda Harris 301-453-3293 lindaharris355@aol.com

Mission Statement: To teach environmental literacy; to cherish, protect and conserve the living earth.

School Description:

The Living Earth Environmental Studies School is composed of a minimum of forty hours of study. Specific units are divided into four courses of ten hours each which includes a two-hour field trip. The courses investigate AIR, LAND and WATER. The units are divided into Ecology and Environmental Science, Life on Earth, and Earth Stewardship. Optional Exams are offered for those wishing to become NGC Accredited Environmental Consultants. Environmental Studies Schools are open to everyone whether or not they are garden club members.

Course Requirements:

Official Text for Course 3:

Living in the Environment by G. Tyler Miller

Available at significant savings through Amazon.com

(Editions 12 & 13 are available used for less than \$10 including shipping)

Copies are also available to borrow – contact Linda Harris

Living in the Environment reading requirements for Course 3, listed by edition:

Chapters should be read before classes start

7th Edition - Chapters 6, 10, 11, 21, 25, 26

8th Edition - Chapters 6, 10, 11, 22, 26, 27

10th Edition – Chapters 12, 14, 15, 16, 17, 28

11th Edition – Chapters 15, 16, 18, 19, 24, 26, 29

12th Edition – Chapters 1, 6, 15, 17, 18, 22, 26, 27, 28

13th Edition – Chapters 6, 17, 18, 22, 27, 28

14th Edition – Chapters 1, 2, 4, 5, 6, 8, 11, 12, 13, 14, 15, 17, 18, 20, 21, 22, 24, 25, 26, 27, 28

15th Edition – Chapters 1, 2, 3, 4, 5, 7, 11, 15, 19, 20, 22, 25, 26

16th Edition – Chapters 1, 3, 4, 7, 9, 12, 17, 18, 19, 21, 24, 25 Plus Supplements 3, 4, 8, 9, 10, 11, 12

17th Edition – Chapters 1, 18, 19, 23, 24, Plus Supplement 7 & Glossary

DRESS CODE

Comfortable clothing and appropriate outerwear; including waterproof hiking shoes for the outdoor field trip.

INSTRUCTORS

Liz McDowell, Coordinator Western Mountains Chapter of Maryland Native Plant Society and Owner of Elk Ridge Native Plant Preserve; MS Degree in Wildlife Management from Frostburg State University; BS Degree in Psychobiology from Albright College; lectures and give presentations on native plants, wildflowers, invasive plants, wildlife habitat gardens.

Kerry Wixted, Education & Outreach Specialist with MD DNR Wildlife & Heritage Service; teaches wildlife ecology for Maryland Envirothon; BS Wildlife & Fisheries Management at Frostburg State University; MS in Environmental & Evolutionary Biology from West Virginia University. Coordinates and teaches Project WILD, Growing Up WILD and Flying WILD programs; teaches botany for Master Naturalist Program.

Peter Skystad, Professor of Biology, Natural Resources & Wildlife, Garrett College; BS Degree in Physical Geography & MS Degree in Biology from Texas Tech University; has taught Environmental Science, Natural History of the Appalachians, Neotropical Natural History (Costa Rica/Nicaragua), Tropical Ecology, wetland Monitoring & Restoration; Conservation Biology; and travels to Costa Rica with students every January for three weeks for classroom and hands-on studies of the flora and fauna of this unique ecosystem.

Chuck Schuster - Extension Educator, University of MD Extension, Derwood, MD; BS Degree at University of MD, College Park, Maryland; MA Degree at McDaniel College, Westminster, Maryland; has taught many agricultural seminars, classes and conferences for commercial agriculture businesses, small farmers and agricultural organizations throughout the state and internationally; has many certifications/experience in commercial agriculture procedures and techniques.

Jenna Linhart – Adjunct Faculty at Frostburg State University Recreation & Parks Dept. where she teaches Environmental Interpretation; Programs Support & Planning, AmeriCorps for Evergreen Heritage Center in Mt. Savage, MD; She has taught outdoor, environmental and experiential education to children through adults for Teton Science School in Jackson, WY; BS degree in Environmental Science from Allegheny College in Meadville, PA; MED degree in Conservation Biology & Applied Ecology and Parks & Recreation Mgmt.

HOTEL INFORMATION

There are several hotels close to the college in McHenry, Maryland:

The Lodges at Sunset Village

Log Cabin Suite Hotel with rooms for one person up to a group of 10
23900 Garrett Highway, McHenry 301-387-2227

Wisp Resort Hotel

290 Marsh Hill Road, McHenry 301-387-4000

Lake Pointe Inn B&B

Luxury inn on the lake
174 Lake Pointe Drive, McHenry 301-387-0111

There are also many homes to rent for groups

Contact **Taylor-Made** at 866-351-1119 or www.deepcreekvacations.com

Driving directions can be provided upon request.