

New Online- Permaculture Design Certification - Ellenville Syllabus

First Weekend

First Session

10am - Introductions and orientation to our course curriculum and the direction of the program.

Permaculture: its origins, uses, definitions, and source influences. Permaculture Principles: How they work, where they come from and how to use them.

1:00pm - Lunch

2:00pm - Anthropogenic Earth, physics, geology, biochemistry and applied anthropology. Deepening our sense of what we are inheriting as biological organisms on earth, human physiology, Earth history culminating with Permaculture worldview.

Evening Movie: Bill Mollison's Global Gardener: Drylands and Tropics

Second Session

10am - Check-in and quickly revisit topics covered in yesterday's class and film.

The Big Transition from Paleolithic to Neolithic modes of living, the advent of the domestication of plants and animals.

Ecological History of civilization with a view towards permaculture solutions from successful techniques.

1:00pm - Lunch

Outside observation Activity during your lunch break: Then after lunch you will:

Describe the landscape where you are and we will together explore this skill of;

Reading the landscape, understanding the flow of natural succession, ecological indicators of historical patterns of use, trees, hydrology and looking at principles on-site. Understanding how to create ponds and develop springs and how earthworks function. We will end the day with some hands-on activity centered around the digging of earthworks with A-frame levels and working with pond systems.

Evening Movie: Sepp Holzer, Water film

Second Weekend

Third Session

10am - Check-in, discuss the films.

How to and what to make of: Researching and reading the toxic legacy of the military industrial landscape, with a focus on the northeastern corridor.

Knowing the facts about pollution in the U.S. and ways for your family, loved ones and future clients to dodge the toxic bullet.

1:00pm - Lunch

2:00pm - Water, understanding watersheds, riparian zones, hydrology, patterns in the landscape and aquifer recharge techniques.

Forests, Polyculture Perennial Forest Garden Ecosystems, Forest Structure, global types, eco-functions and relationships to the water cycle and hydrology, bringing water back with reforestation and other permaculture uses of trees and management such as coppice and silvopasture.

Fourth Session

10am - Check-in,

Ecological site analysis and assessment. Opportunity for you to Share more about your sites that you will be designing for, what have you observed, share images, a map if you have one, this will be a design observation exercise with your Permaculture goggles on.

1:00pm-Lunch

I will present on our process for creating and examples of Permaculture Master plan site designs and installations.

Third Weekend

Fifth Session

10am - Check-in,
-Microclimates and Permaculture design techniques.

* Biodynamic & Organic Gardens
Domestic Animals

1:00pm-Lunch

- * Rotational grazing
- * Wetlands
- * Aquaculture

Sixth Session

10am - Check-in,

Bioregional design, contextualizing design to be regionally appropriate and tied into broad patterns like wildlife corridors and pollinator flyways to help cultivated ecologies.

Blending the work of conservation land trusts and watershed groups with permaculture goals of getting a yield, creating working landscapes and ultimately bringing about bioregional economies.

1:00pm- Lunch

2pm: Urban Permaculture and transitioning the northeastern corridor to be more regionally self reliant and ecologically intelligent.

3-4pm: Bioremediation, Living machines and intentional wetland wastewater treatment systems. We will end the day discussing what we will be covering next week.

Fourth Weekend

Seventh Session

10am - Check in, discuss student's progress with their designs. Permaculture, Biodynamic, biointensive and organic gardening, their origins, history and techniques.

1:00pm - Lunch

2pm-A Virtual Walk around the Center for Bioregional Living Permaculture Gardens and plantings and discuss the biodynamic planting calendar and other techniques and materials that we use in our gardens to grow beyond organic produce for ourselves, our family, restaurants and our local food coop.

Eighth Session:

10am-Check-in,

* Suburban & Urban Permaculture

*Rain Water Systems/Community Gardening

*Designing Public Spaces

1:00pm-Lunch

2pm

- * Local Wealth/Worker Coop's
- * Pioneer Design & Land Use Ethics
- * Consultation

Fifth Weekend

Ninth Session:

10am - Check-in,
Understanding Energy and decentralized power grids, site specific hybrid mosaics of renewables for a wide range of circumstances and climates.

1:00pm - Lunch

1:30pm - Animals, history of domestication, rotational grazing, and broad scale permaculture.

3-4pm - Natural building, in depth strawbale construction for cold climates, passive solar siting and techniques, greenhouse designs.

Tenth Session:

10am-Check-in,

I will present on regional food security and designing a food system based on the concept of a foodshed. We will look into a case study that we created with some graduates for the Rondout watershed where the Center For Bioregional Living is located.

1:00pm - Lunch

2-4pm - Lisa Depiano presents on Co-op business models and Pedal people, a bicycle trash and compost pick up service that is cooperatively owned and run with over 900 customers in Northampton, MA.

End the day discussing where everyone is with their designs and the how the design presentations will proceed for next Saturdays Online Design Graduation presentations all day each of you will be getting a separate document outlining the details of you design assignment, It is a self-directed learning experience, have fun with it and create your very own Permaculture Shangi-La!

Sixth and Last Weekend

Eleventh Session

10am - Check-in, final pointers and reminders about design presentations.

Final Presentations. Each person will have 10-15 minutes to present their A&A synthesis of their site and a design concept. Regional and neighborhood scale planning is encouraged! Go multi media: show us photos, overlays, side views and detail drawings of some of the unique elements in your design. Each student will receive 5-10 minutes of thorough feedback.

Celebration to follow with bonfire, music and a keg of good local microbrew.