

PERMACULTURE DESIGN COURSE

Mineral Springs, Darjeeling, Nov. 21st to Dec. 5th, 2011
Instructors: Rico Zook, Sam Dowd, Rohin D'Souza, Sailesh Sharma

Daily Schedule:

Morning Stretch	7:30
<i>Breakfast</i>	8:00
<u>Morning session</u> - 3.5 hours	9:00 (8.30 start?)
Brief check-in, Best of Yesterday (C/BOY)	
Lecture, Slides, and such	
<i>Tea break</i>	
Lecture, Slides, and surprises	
<i>Lunch</i>	12:30
<u>Afternoon Session</u> - 3.5 hours	14:00
Hands-on, Lecture, Slides	
<i>Tea Break</i>	
Lecture, Slides, and.....	
End Session	17:30
<i>Dinner</i>	18:30
<u>Evening Session</u> - 1-2 hours	19:30
Games, Videos, and/or Slides	

Bio-char
Rocket stove

Nov 21 Day 0

Afternoon Arrival

Site orientation

Dinner

Evening

Getting to know each other

Nov 22 Day 1

Morning

Check-in (C)

Sock Toss

Course outline + Playbook

“Setting the Container”

Outcomes game

History and Definitions of Permaculture

Permaculture Ethics
Permaculture Principles

Afternoon --

Charades w/ the Principles

Intro to Observation

Treasure Hunt

Evening

VID -

Nov 23 Day 2

Morning

C/BoY

Intro to Best of Yesterday (BoY)

Flows

Intro Patterns

Pattern Hunt

Archetypal Patterns

Afternoon

Walkabout - flows, patterns, storages

Watershed Game: Slope, Aspect, Drainages, & Keylines

Intro to Mapping

Map Making: Triangulation

Evening

VID - Community Grain Fund

Nov 24 Day 3

Morning

C/BoY [30]

Energy Storages and Resources

Triangulation review

Base Mapping exercise

Afternoon

Base Map continued

Sector Analysis

Sector Mapping exercise

Group presentations of Sector Maps

Evening

Slideshow: Flows and Pattern

Nov 25 Day 4

Morning

C/BoY [30]

Intro Water: Politics, Water Cycle, Living water

Water Harvesting: Broadscale + Structural

Greywater and Blackwater
Intro to Buildings
Siting and Orientation of Buildings

Afternoon

Hands-on: Making an A-frame
Swale and Terrace building
Intro to Buildings and Natural Buildings
Siting and Orientation of Buildings

Evening

OFF

Nov 26 Day 5

Morning

C/BoY [30]
Soils
Soil Building: compost, tea, sheet mulch, IMO's
Vermiculture
Humanure

Afternoon

Hands-on: IMO's + Sheet Mulching + Compost soup
Intro to Microclimate
Participant Presentations

Evening

VID

Nov 27 Day 6

Morning

C/BoY [30]
Trees and Forests
Cropping Patterns
Guilds, Hedgerows, and Living Fences
Slideshow - Guilds and Gardens

Afternoon

Walkabout: Jungle Garden and Windbreaks, local plants and cropping
Hands-On: Seed Ball making
Animal Systems
Aquaculture & Ponds
Bees
Mid Course Review

Evening

OFF

Nov 28 Day 7

OFF

Nov 29 Day 8

Morning

C/BoY [30]

Integrated Pest Management, IPM

What is Appropriate?

Slideshow: Appropriate Technology + Black/Greywater

Participant Presentations

Afternoon

Hands-On: Greywater Construction

Bio-Pesticide preparations

Design teams

Wild Island Game

Group Process

Evening

Egg Drop

Nov 30 Day 9

Morning

C/BoY [30]

Intro to Design

Zonation

Functional Analysis

Edge, Bunds, and Yields

Design Process and Methodologies

Afternoon

Hands-On Site Analysis

Designing for Catastrophe

Preparing for Client Interview

Design Team - preparing for Client interview

Evening

Client interview

Dec 1 Day 10

Morning

C/BoY [30]

Invisible Structures

Alternative Economics

Slideshow - Urban Pc

Community Scale Design

Bioregionalism

Afternoon

Card Puzzle

Design Team Time

Evening

VID - The Power of Community: Cuba and Peak Oil

Dec. 2 Day 11

Morning

C/BoY [30]

Tropical, Temperate and Dryland Strategies

Toxins and Bio-Remediation

Mycology

Land Restoration

Afternoon

Hands-On: IMO's, the next step

Solar Water Heater construction

Design Team Time

Evening

Design Team Time

Dec 3 Day 12

Morning

C/BoY [30]

? [open]

Design Team check-ins

Design Team Time

Afternoon

Random Assemblage: the game

Design Team Time

Evening

Design Team Time

Dec 4 Day 13

Morning

C/BoY [30]

Globalization & Sustainable Tourism - Is it possible?; a Discussion

Design Team Time

Afternoon

Design Project presentations

Evening

Celebrations + Permaculture Design Certification

Dec 5 Day 14

Morning

Peak Petroleum and Energy Descent: a Discussion

Global Permaculture perspectives
Right Livelihood: Discussion
Where to from Here
Course Evaluations
Lunch
Departure

- Future of Food and discussion

VID - Curitiba, Brazil

VID - Bio-Diversity Festival + Discussion