

Winter School format Design Course

Topic

- Winter School
 - UN Year of Family Farming - the role of the botanical garden in preservation, conservation, education (sessions partly funded by Groen & Doen voucher).*
- Permaculture Design Philosophy in Action
 - Design
 - Design philosophy that seeks to exploit and imitate naturally occurring patterns*
 - Process
 - Vision/Goal
 - What is the design for; what will it accomplish*
 - Determine your subject of design*
 - Boundaries - Context
 - Elements - subsystems
 - Shape, Form, Placement, Interaction
 - Observe and Provide Feedback
 - Ethics
 - Pamper the Earth
 - Cherish the People
 - Share the Wealth
 - Principles
 - Holmgren
 - Mollison
 - Others
 - Toby Hemenway
 - Emergent Permaculture
 - Form Leads Function
 - System behavior emerges from element behavior
 - Systems learn inevitably - make it count
 - Dance with systems - simple steps, complex dance
 - Use the hierarchy of leverage (Meadows)
 - Reflection
 - What did you learn
 - What do take away
 - Rubric
 - Criteria (competencies)
 - create and present a coherent vision (goal) for the system at hand
 - collect relevant information and specify complete, accurate and current boundaries and context
 - present boundaries and context to client and/or peers
 - identify and characterise relevant elements in your system
 - parse the system hierarchy up and down, making a map
 - present systems hierarchy findings

Topic

- give form to one or more solutions satisfying the goals and using the elements of the project
- implement the design
- collect relevant feedback on the functioning of the design
- present relevant feedback to client or peers
- design next iteration to improve the design further
- Levels of proficiency
 - barely competent - needs lots of remediation
 - fairly competent - needs some remediation
 - average competent - sufficient, needs guidance
 - above average competent - good mastery, can operate with little or no guidance
 - excellent competent - brilliant mastery, developing and extending the field of design, a leader in the field
- Specific rubrics (attached)
- Learning Environments
 - visitor pavilion
 - lookout garden
 - sense arbours
 - wild garden / bird trail
 - fruit garden
 - children's garden
 - visitor centre
 - veggie garden
 - food forest
 - historical garden
 - shade house
 - fence
 - car park
 - service pavilion
- Learning Materials
 - people
 - time keeper
 - recorder
 - facilitator
 - hospitality provider
 - things
 - note paper
 - drawing paper
 - pens, pencils, erasers, rulers etc.
 - garden trowels
 - shovels, pick axes, rakes
 - gardening gloves
 - paper, cardboard

Topic

- mulch / compost
- plants, seeds
- microscope
- books
- soil test
- jars, bags
- student hand-outs
 - Permaculture Ethics
 - Design philosophy
 - Design process
 - Action Centred Model
 - Design principles
 - Holmgren
 - Emergent permaculture
 - Design methods
 - Zone analysis
 - Sector analysis
 - Layering
 - Succession
 - Ecological fitting
 - Stochastic assembly
 - Design techniques
 - contour mapping
 - environmental assessment
 - client assessment
 - reporting & presentation
 - modeling
 - trial & error - learning from experience - progressive insight - iteration
- Session Planning
 - total time: 5 hours
 - travel: 30 min
12 (noon)
 - welcome & registration: 15 min
 - introduction: 15 min
 - challenge & observations: 15 min
 - feedback: 15 min
 - defining goals & boundaries: 15 min
 - wild design: 30 min
 - experiment: 45 min
implementing the design
 - wrapping up: 30 min
prepare presentation; clean up tools and workplace
 - presentation: 30min

Topic

- meal: 30min
 - option: start over lunch (12:30 - 13:30) and combine with welcome & registration and introduction*
- Travel back: 30 min
 - 16:30 - 17:00*
- Share a Meal
 - input from garden - forage ; input from participants - pot-luck
- Sessions
 - may need to go to weekend or add some weekends to facilitate people with day-jobs (board members, staff & interns)*
 - Visions for the Botanical Garden: 19 Feb
 - The Visitor Centre: 23 Feb
 - The Veggie Garden: 26 Feb
 - The Food Forest: 2 Mar
 - Energy Systems: 5 Mar
 - Water Systems: 9 Mar
 - Low Maintenance Public Gardens: 12 Mar
 - Theme Gardens: 16 Mar
 - Habitat Gardens: 19 Mar
 - Enterprise - Right Livelihood: 23 Mar
 - Education & Outreach: 26 Mar
 - Conservation & Biodiversity: 30 Mar
 - Research & Development*