

2018 Cedar Coast Field Station PDC Schedule

MONDAY - DAY 0 - ORIENTATION, SET UP, INTRODUCTIONS

- 4-6pm - Arrival, Registration, Set-Up
- 7-9pm - Introductions & Orientation
- 9-11pm - Campfire, Settle In
- 11pm – Lights Out

TUESDAY - DAY 1 - INTRO TO PERMACULTURE

- Intro to Permaculture
- Permaculture as Ethical Science
- Analysis of human past, present, future
- Needs & Yields - Design Analysis

WEDNESDAY - DAY 2 - CONCEPTS OF DESIGN & PATTERN

- Permaculture Principles
- Sustainable Systems & Energy
- Sectors & Zones
- Pattern & Energy expression in the physical world
- **Skill - Surveying**

THURSDAY - DAY 3 - METHODS OF DESIGN

- Design & Mapping Methods
- Source to sink thinking - Energy, Nutrient, Water
- The 6 duties of water & Slow, store, soak techniques
- Rainwater Harvesting – Calculating Catchment & Use → Storage Solutions
- **1st Design Exercise – Client design.**

FRIDAY - DAY 4 - CLIMATES OF THE WORLD & MICROCLIMATE DESIGN

- Weather & climate as pattern
- Climates of the world & living within them
- **1st Design Exercise cont. - Client design**

SATURDAY - DAY 5 –

- *Flex morning to cover unfinished content*
- Microclimate design - **Tour of Guest Property & Analysis**
- **1st Design Exercise Cont. - Presentations**

SUNDAY – DAY OFF

MONDAY - DAY 6 - TREES & ECOLOGICAL SUCCESSION

- Understanding trees and their energy transactions
- Tree based systems - Forest gardens, food forests, orchards, timber, reclamation
- **Design Exercise - Designing with trees in space and time**

TUESDAY - DAY 7 - PLANTS & FOOD PRODUCTION

- Introduction to Botany and companion planting
- Gardening 101 & Intro to Hugelkulture, herb spirals, and square foot gardening
- **Build sessions - Hugelkulture and square foot gardening**
- **Introduction Final Design Exercise**

WEDNESDAY - DAY 8 - SOIL

- Human history & soil cycles
- The 5 lens of looking at soil & the soil food web
- Soil care & nutrient cycling
- **Training - Compost, compost tea, vermicomposting, bio-fertilizer and bio-char**
- **Final Design Exercise - Client Consultation & site visit**

THURSDAY - DAY 9 - ALTERNATIVE HOMES & RENEWABLE ENERGY

- Sustainable home design – Solar orientation, glazing, thermal mass, insulation, ventilation
- Tiny Homes, Earthships, strawbale, & net zero homes.
- Combustion theory & hands on – **Rocket stoves & Cob ovens**
- **Final Design Exercise – Work period**

FRIDAY - DAY 10 – INTRO TO ANIMAL SYSTEMS & INTRO TO COMMUNITY

- Stacking functions and time cycles – Animal systems
- Analysis of our social systems. Redefining community, reconnecting, re-skilling.
- The history of community to our current day. Loss & rekindling.
- Restart and transitional community models
- Techniques for kickstarting community
- **Final Design Exercise - Work period**

SATURDAY - DAY 11 – Permaculture Designers

- **Final Design Exercise - Design time**
- **Final Design Exercise – Presentations**
- **Final lecture & Certification**
- **6pm - Graduation celebration!**

~SUNDAY - PACK UP~