



Green Apprenticeship Syllabus

I. Permaculture Design	Hours
Permaculture 1: Introduction to permaculture, the 3 ethics	3
Permaculture 2: The 10 principles	2
Permaculture 3: Design techniques - zone & sector analysis	2
Permaculture 4: Design techniques - input-output analysis	2
Permaculture 5: Design techniques - P.O.B.R.E.D.I.M. & design brief	3
Choosing/working on permaculture designs & meeting with mentor	3
Working on permaculture designs & meetings with mentor	9
Evolution of the EcoCampus	2
Permaculture project presentations	3
Final words and summation	2
Total contact hours Permaculture Design	31

II. Regenerative Small-Scale Agriculture	Hours
Introduction to composting - making soil the way the forest does	3
Garden bed preparation	5
Making a sheet mulch garden raised bed	2
Square foot gardening & container gardening theory	1
Container gardening practical	3
Nursery work	2
Plant reproductive biology and seed saving	2
Compost Pt. 2: Carbon/Nitrogen ratios	2
Direct seeding	1
Trees & tree care	2
Introduction to irrigation	2
Herb use in permaculture 1	2
Herb use in permaculture 2	2
Total contact hours Sustainable Agriculture	29

III. Natural Building	Hours
Introduction to natural building: Earth mixing and adobe bricks	2
Start of earth building project - tires, trash & 1st coat	3
Principles and techniques of earth building	2
Earth building project - 2nd coat	3
Testing soil for building purposes	3
Mixing earth with a cement mixer and 3rd coat on project	4
The oiling process	1
Straw bale theory & practical	2
Final coat and sculptural mud	2
Making & plastering final coat	2
Total hours contact Natural Building & Ecological Design	24



IV. Appropriate Technologies	Hours
Sustainable cooking systems: Solar ovens, rocket stoves, mass ovens	2
Biogas systems from organic waste	2
Composting toilets	3
Wastewater systems	2
Collecting water from the landscape, marking out contours & swales	2
Agro-voltaic systems	2
Total contact hours Appropriate Technologies	13

V. Building Regenerative Community	Hours
Opening circle at Eco Park with staff & teachers	2
Building community: Group dynamics	3
Roots of the crisis and the holistic worldview	2
Sharing circles	3
The ecology of community	2
The problem of growth	2
Intentional community case study: History and values of Lotan	2
Localization & the economics of happiness	2
Community building activities	6
Bioregions, Transition Towns and Ecovillages	2
Community decision making	2
Environmental activism	2
Closing circle with staff & certificate ceremony	3
Food preparation community building	8
Total contact hours Building Regenerative Community	41

Total contact hours for program	138
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