**Permaculture Design Course (PDC)**
Internationally Accredited Online Blended Learning

[www.permaculture2012.co.za](http://www.permaculture2012.co.za)

**Permaculture facilitator:** Ezio Gori

**Addressing Global Challenges One Plot at a Time!**

**Incorporating:** A 72+ hour blended learning experience with online lessons, self study and site practicals where possible, interspersed with critical thinking, conversations that matter, and time for reflection.

**Overarching themes:** Food Sovereignty, Circular Economy, Climate Change Resilience, BioRegional Regeneration.

**Designed for:** community leaders, homesteaders, built environment professionals, sustainability practitioners, small & large scale farmers, people seeking right livelihoods, people in transition, critical thinkers. We invite students to bring their sense of humour, skills and genius to share!
## Module 1: Introduction to Permaculture

<table>
<thead>
<tr>
<th>Theme</th>
<th>Key Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations of Permaculture Design</td>
<td>Introduction  Body of Knowledge content Ethics and Principles</td>
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<tr>
<td>Permaculture Design Inspirations</td>
<td>Design processes Design applications Design inspirations</td>
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<tr>
<td>The Heart of Permaculture Ethics</td>
<td>Earth systems Sociocracy Sacred Economics</td>
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# Module 2: Ecological Farming Systems

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<tr>
<th>Theme</th>
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</table>
| Regenerative Agriculture | Scale of Permanence  
                          | Holistic Management  
                          | Keyline Design        |
| Soils and Plants     | Soil restoration  
                          | Plant guilds  
                          | Health and nutrition  |
| Farming Systems      | Rainwater harvesting  
                          | Agroforestry  
                          | Polycultures          |

- **Soil Composition by Volume**
  - 45% Soil Solids
  - 20-30% Water
  - 20-30% Air
  - 5% Organic

- **Curvas a nivel**
  - Laderas
  - Vertientes

- **Fluo de agua en los surcos**
  - 220
  - 219
  - 218
  - 217
  - 216
  - 215
  - 214

- **Forma Incorrecta de arar**
  - Patron de cultivo en vertientes
  - X-Section AA

- **Soils and Plants**
  - Soil restoration
  - Plant guilds
  - Health and nutrition

- **Farming Systems**
  - Rainwater harvesting
  - Agroforestry
  - Polycultures
## Module 3: Ecological Urban Design

<table>
<thead>
<tr>
<th>Theme</th>
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<tbody>
<tr>
<td>Waste Water and Sanitation</td>
<td>Ecological sanitation</td>
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<tr>
<td></td>
<td>Waste water treatment</td>
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<tr>
<td></td>
<td>Restoration of water bodies</td>
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<tr>
<td>Green Building</td>
<td>Natural building materials</td>
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<td></td>
<td>Passive Building Design</td>
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<tr>
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<td>Integrated services &amp; utilities</td>
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<tr>
<td>Green Infrastructure</td>
<td>Sustainable drainage systems</td>
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<tr>
<td></td>
<td>Integrated infrastructure</td>
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<td>Urban greening</td>
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![Diagram of ecological urban design](image)
Enterprise Income Streams from 3 interrelated sources in order to create economic resilience.

Camping site
ParknStay
Tents for WWOOFers
Compost toilets

Nature walks
Honey production
Woodylot
Tree edge thickening
Herb garden
Private entrance, deliveries and car park
Restaurant deck with overhead pergola
Stables
Nursery
Polytunnel
Mobile Chicken Tractor

Pond with predator proof islands
Boundary thickened to mitigate overspray from nearby fields

Ort (raised beds vegetable garden)

Friuli EcoTourismo Project for Family Cook

Module 4: Applied Permaculture Design

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<tr>
<td>Integrate Sustainability</td>
<td>Energy Descent Planning Sustainable Food Systems Circular economy</td>
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<tr>
<td>Design Integration</td>
<td>Strategic Planning Project Management Monitoring and Evaluation</td>
</tr>
<tr>
<td>Student Designs and Closure</td>
<td>Student Permaculture Designs Further education Permaculture networks</td>
</tr>
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The Ideal Development Process

This is just a Permaculture-inspired very basic Concept Plan to share some potential ideas for the property which will support an envisaged small enterprise with income streams from these interrelated sources. The owners ought to undertake a Permaculture Design Course in order to empower themselves to take ownership of a proper plan inspired by these ideas and many others. The plan should be laid out according to priorities given available resources. As the bulk of the implementation becomes complete, the focus will shift to sustain the project through continuous adjustments and refinements. The journey is more satisfying and important than the end destination.

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Enabling Environment which builds resilience and cuts carbon emissions

Low Carbon Development
Climate Resilient Development
Climate Compatible Development

Mitigation
Global actions that reduce the emissions that contribute to Climate Change

Adaptation
Local actions that minimize or prevent the negative impacts of Climate Change

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