

## **PERMACULTURE DESIGN CERTIFICATE COURSE**

**Organizer: Tunaweza Permaculture Project in collaboration with Odiinya Permaculture Institute.**

**Venue: Odiinya Permaculture Institute**

**Location: Rongo, Migori County**

**Training dates: 3/11/2021 – 13/11/2021**

### **Event description**

This is a collaboration event created by Tunaweza Permaculture Project and Odiinya Permaculture Institute. The two likeminded directors, Steven Odhiambo from Tunaweza and Gorge Ouma from Odiinya joined hands to plan an amazing two weeks of immersion training in permaculture design. Our host, George from Rongo provides the opportunity to study permaculture in a stunningly beautiful and nurturing setting named Odiinya Permaculture institute, which is a multiyear project to demonstrate the use of permaculture design to create a bountiful, productive landscape to provide produce to the retreat center and the surrounding communities. This collaboration brings together 6 different local teachers who are professional permaculture facilitators and practitioners and 5 international guest speakers from different countries in Europe Australia and Canada.

This 72 hours, 10 days, and 7 hours 20 minutes daily, -certification course will provide participants with an in-depth proper permaculture design. The course work will include curriculum topics presented using a variety of methodologies, including lectures, discussions, hands on activities, and group design projects.

The course will follow the internationally recognized curriculum, based on the permaculture book: A Designers Manual, by Bill Mollison, with topics to be covered outlined below. This course is certified by Tunaweza Permaculture project /Odiinya Permaculture Institute. In addition to scheduled class time, course participants will engage in a variety of hands-on activities and will work in teams to prepare and present design project reports.

### **Mission of the training**

As Tunaweza Permaculture Project, despite our small space in the urban, working with farmers from different parts of the country, has given us a clear picture that they are very worried about the devastating effects of climate change and global warming which leads to negative environment effects and unsustainable farming practices. Having talked and worked with them, we also came to realize that most of the farmers only acquire the knowledge from conventional farmers or agricultural organizations which encourages big acres of land, monoculture farming that encourages use of chemical fertilizer and pesticides. It's not for sure interesting to watch what is happening to the farmers livestock, water, crops and mostly the soil. We concluded there is an immense need for knowledge on how to create stability and sustainability in their farms, both at individual and community level. Most farmers would love to learn and the only thing stopping them is the lack of such facilities as Permaculture Resource Centres, where they can just walk in and get all the information they need. We believe that permaculture is a solutions-based approach to home and community development, rooted in the belief that the solution

to many pressing issues facing humanity lay in good ecological design and that is the main reasons for us to organize this event.

### **Core Curriculum Topics**

Introduction to Permaculture

Ethics and Principles

The Local Ecosystem

Patterns and Pattern Application

Climates, Biogeography and Microclimates

Design Methods and Process

The Home System

Water

Earthworks

Soils

Trees, Forests, Plants, and Cultivated Ecologies

Animals

Aquaculture

The Built Environment

Waste and Bioremediation

Appropriate Technology

Design for Catastrophe

Urban Permaculture

Broad-scale Landscape Design

Design for Invisible Structures

Economic Systems

Access to Land

Ecovillage and Neighborhood Design

Permaculture Scene

Design Projects and Presentations

The course will include hands on activities designed as learning opportunities integrated into the daily work in the gardens and landscape at Odiénya Permaculture Institute.

**These activities will include:**

Composting systems

Small-scale earthworks and water management.

Organic gardening to supply fresh herbs, fruit and vegetables to Odiénya kitchens

Plant Propagation

Food Fermentation for a healthful diet.

Participants will work in teams to create final class design projects that further ongoing development of Odiénya Permaculture Institute. Design time is integrated into the course work as the program progresses.

Language used: English (with help to translate unknown words whenever needed).

**Lead facilitator/ instructor**

**Roland van Reenen (permaculture and syntropic agroforestry teacher/practitioner)**



Ronald van Reenen is an enthusiastic, passionate, forest farmer that through trial and error has developed a hybrid knowledge on how to create a food forest even in the harsh climate conditions in Curaçao, an island in the southern Caribbean Sea. This knowledge he believes can be exported to other countries with similar climate conditions and help regenerative farming elsewhere in the world. Finding his passion in the past 10 years has made him a focused person, where he combines the principles of permaculture with syntropic farming. With his enthusiasm, his collaborative mindset and now proven knowledge on food forestry, his aim is to make Curaçao within 15 to 20 years from now have 10 % syntropic farming, using every single unused plot on the island. With the slogans that: “To create more rain we have to plant more” and “The problem is the solution”, as most resources required from nature to achieve this goal cost almost nothing, we are convinced that Roland together with all the others like minded drivers on the island will make this change on the island come through. That is why we dearly love and deeply respect Roland and consider him part of the 250 Influencers of the island representing the Sustainable Agriculture sector.

**Co -lead facilitator**

**James Thiongo**



James come from Laikipia, Central Kenya. His background is a degree in environmental studies and community development.

He did his first PDC (Permaculture Design Certificate) in 2017 and then after he volunteered for one year across East Africa and in Tanzania. He gained the skills to be a consultant and a trainer and also worked on several farms around the country and in East Africa. He worked in ecologies, schools and then communities helping clients, communities start up gardens and showing them that it's possible to have clean, fresh, and organic food.

He believes that the future of permaculture is in Africa and the evolution is big because as Africans, we are food insecure and we have large tracks of underutilized land so we can apply permaculture in schools, communities, in hospitals so that our people can eat organic and fresh food. He also believes that in the future we need to have an enterprise in permaculture whereby people can extend their produce, earn a living from it, people should also encourage the youth of East Africa to join permaculture. Compared to in some countries 60 to 70% of the youths lack jobs and yet there's a lot that can be done to them through training them to start up permaculture projects across the country and then connect them with a market that will create job opportunities.

James' aim and mission is to have a permaculture network in East Africa, a movement whereby people can all connect and share ideas, sell different products because in all East Africa and even in Kenya there is different agroecological zones, different products driving the different zones so people can exchange amongst themselves. They can also bulk their products together and sell either locally, regionally or even internationally so that as a movement people package together and even value-add and that way we can make money as a movement and as a connected organization.

### **Course host and facilitator:**



Steven Odhiambo is a permaculture practitioner and aspiring permaculture teacher and an urban permaculture designer. His permaculture background goes since 2016 when he started to deeply engage with a permaculture project known as Vijana Wetu, whereby he engaged with different trainers to introduce permaculture to his community. He completed his permaculture PDC and volunteered in in different farms across east Africa including Kenya, Zanzibar and Uganda as a learner and a trainer. He is deeply inspired by permaculture and being a community project worker, he and his team came up with an urban based permaculture project called Tunaweza Permaculture which is situated in Kisumu, Kenya. This is a training center and a small model farm that is used to offer training to youths and adults in the urban setup to learn how to grow their own food. The vision of their project is to create a better everyday life for many people living below poverty line in the city and to work towards environmental, social, and economic regeneration following permaculture practices and policies that will support the creation of prosperous sustainable life.

## The host site



George Ouma is the event host of the upcoming International Permaculture Design Certificate (I-PDC) from November 3rd - 13th 2021 based in real-life at Odiinya Permaculture Institute demonstration farm in East Kenya. He is the Founder of Odiinya Permaculture Institute. He is a holder of two permaculture design certificate courses and has been working across Nyanza and Western Region to strengthen permaculture network. George believes that through joining hands with other farmers the efforts to bring change to the communities will be less and people shall lower the poverty levels. He is looking forward to this collaboration with Tunaweza Permaculture Project to bring teachers and students together for the November 2021 PDC course. Odiinya Permaculture Institute is an institution committed to providing high quality, permaculture education to impoverished communities throughout Kenya. It consists of a team that has training in permaculture, syntropic agroforestry, bio-dynamic food systems, regenerative agriculture, and community networking. They look forward to serving their communities to regenerate the people and regenerate the planet.

It's a team that consists of Kenyan locals and international members. They also have partner and network with a variety of permaculture groups to help them advance their vision as a whole community. They empower women, youth, local farmers and refugees within their biodynamic, regenerative, community-driven food systems. Their training programs and partnerships help communities restore food and financial security, preserve indigenous seeds, and restore the ecosystem and regenerate.

## **Supporting Facilitators**



**Fidel Ooko**

**Trainer in natural resources harvesting**

**Nyanza Region**

**From MKOPA solar company limited**



**Mikki Rinni**

**Facilitator in social work**

**Chairman- Seeds of Freedom**



**Zedekiah Abeta** Facilitator in Natural medicine /medicinal plants  
From Tunaweza Permaculture Project



**Felix Akicho** Permaculture teacher/practitioner  
From Keyano Organic Farm

**International Permaculture Guest speakers**



**Tove Bang** -Denmark



**Ali McKenzie** -Australia



**Jenn Roznikki -Canada**



**Munn Cleland -Canada**

### **PROPOSED BUDGET**

Number of participants: 20 people (facilitators and students)

#### **Required materials for the training**

Flip chart	ksh	300.00
20 Notebooks	Ksh	500.00
Bold and Biro pens	Ksh	200.00
20chairs and one tent	ksh	8,000.00
Seeds	ksh	10,000.00

#### **Accommodation**

10 sleeping bags/tents	ksh	107,00.00
10 rooms for women students	ksh	15,00.00
12 mattresses.	Ksh	12,000.00
16 blankets	ksh	7,200.00
20Bed sheets	ksh.	5,000.00

#### **Food**

4 bunches of bananas	ksh	2,800.00
Arrowroots	ksh	1,500.00
Sweet potatoes	ksh	1,000.00
Irish potatoes	ksh	1,000.00
Cabbage	ksh	1,000.00
4 goats	ksh	20,000.00
20 litres cooking oil	ksh	3,500.00
12 pieces of Wheat flour	ksh	1,600.00
20 kg of sugar	ksh	2,400.00
6 chicken	ksh	6,000.00
Porridge flour	ksh	500.00
40kg of Maize flour	ksh	4,000.00
Tea leaves	ksh	500.00
Detergents and sanitizers	ksh	1,000 .00
3boxes of milk	ksh	1500.00
Vegetables	ksh	2,000.00
5kg of Beans	ksh	1,000.00
10kg of rice	ksh	2,000.00
Toilet tissue paper	ksh	500.00
Fish	ksh	10,000.00
Salt	ksh	200.00

**Facilitation**

5 facilitators fee.	Ksh	100,000.00
Health certificate fee	ksh	5,000.00
Local government security fee.	Ksh	6,000.00
4 kitchen staffs fee	ksh	30,000.00
Certificate design and printing fee.	Ksh	3,000.00
Organizers team fee/salary	ksh	60,000.00
Transport facilitation fee	ksh	30,000.00

**Grand total ksh 465,200      USD 4,652**

**We welcome enthusiastic people who want to get their hands dirty and learn about permaculture in harsh climates!**

**Support us by donations to support some students who are not capable to pay for themselves.**

**To support this program kindly support through our lead donor Tove Bang Nielsen.**

**We will highly appreciate any amount donated to run this program.**

**Contact us!**

**Send us an email at**

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**Call us at +254715499528**

**Or visit our contact page here**

**<https://www.facebook.com/tunaweza.permaculture>**