Training Course on Regenerative Agriculture Principles and Holistic Farm Design

Professional Development Training Course Outline

Category	Agriculture	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In an era of rising climate challenges and soil degradation, Regenerative Agriculture has emerged as a groundbreaking solution that promotes biodiversity, restores ecosystems, and enhances food sovereignty. Training Course on Regenerative Agriculture Principles and Holistic Farm Design offers an in-depth framework for transforming farms into resilient, productive, and ecologically sound systems. Built on the synergy between natural ecosystems and farming practices, this training equips participants with actionable insights and hands-on strategies to design regenerative farm systems that thrive long-term.

Combining ecological literacy with innovative farm design, this course is tailored for individuals seeking a shift from conventional methods to sustainable, ethical, and regenerative solutions. With trending concepts like carbon farming, agroforestry, permaculture design, water retention landscapes, and soil microbiome restoration, learners will gain a comprehensive perspective to implement cutting-edge techniques in diverse farming environments.

Programme Curriculum

Training Course on Regenerative Agriculture Principles and Holistic Farm Design

Introduction

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Course Objectives

1. Understand the core principles of regenerative agriculture and how they contrast with conventional farming.
2. Explore holistic farm design techniques for resilient and climate-smart farming.
3. Learn about soil regeneration methods including composting, mulching, and microbial activation.
4. Develop skills in carbon sequestration farming and its impact on climate change.
5. Implement biodiversity enhancement strategies through agroforestry and intercropping.
6. Analyze water conservation techniques using keyline design and swales.
7. Gain knowledge of closed-loop farming systems and waste-to-resource methodologies.
8. Master livestock integration strategies in regenerative systems.
9. Understand the economic and environmental benefits of organic regenerative practices.
10. Utilize permaculture zoning and mapping for optimized land use.
11. Identify indigenous agricultural practices aligned with regenerative principles.
12. Design transition roadmaps from conventional to regenerative farming models.
13. Interpret real-world case studies of regenerative farms across different regions.

Target Audience:

1. Organic Farmers
2. Agronomists and Soil Scientists
3. Agricultural Extension Workers
4. Permaculture Designers
5. Environmental Science Students
6. Policy Makers in Agriculture and Climate
7. Farm Startups and Agribusiness Entrepreneurs
8. NGO Workers in Sustainable Development

Course Duration: 10 days

Course Modules

Module 1: Introduction to Regenerative Agriculture

- Definition and key principles
- Comparison with conventional agriculture
- Benefits to ecosystems and communities
- Historical context and indigenous roots
- Role in climate resilience
- *Case Study: Gabe Brown’s Regenerative Farm in North Dakota*

Module 2: Soil Biology and Regeneration

- Soil as a living ecosystem
- Soil microbiome and its functions
- Composting and vermiculture
- Mulching and cover crops
- Biochar and microbial amendments
- *Case Study: Kiss the Ground Farm Soil Revival Project*

Module 3: Holistic Farm Planning and Design

- Farm visioning and goal-setting
- Zoning and farm mapping techniques
- Landscape reading and observation
- Integrating elements for synergy
- Economic and ecological planning
- *Case Study: Ridgedale Permaculture, Sweden*

Module 4: Water Management and Hydrology

- Water cycles in agriculture
- Keyline design and swales
- Rainwater harvesting techniques
- Drought mitigation strategies
- Soil-water retention improvements
- *Case Study: Tamera Water Retention Landscape (Portugal)*

Module 5: Carbon Sequestration Techniques

- What is carbon farming?
- Role of plants in carbon drawdown
- No-till methods and deep mulch
- Tree planting for carbon offset
- Measurement tools and metrics
- *Case Study: Project Drawdown's Regenerative Land Use*

Module 6: Biodiversity Enhancement

- Benefits of biodiversity in farming
- Integrating native species
- Pollinator support and habitat creation
- Agroforestry and intercropping
- Biodiversity monitoring tools
- *Case Study: Syntropic Agroforestry in Brazil*

Module 7: Permaculture Principles and Design

- Ethics and principles of permaculture
- Design tools and techniques
- Energy flow and sector analysis
- Permaculture zones and elements
- Companion planting and stacking functions
- *Case Study: Geoff Lawton's Greening the Desert*

Module 8: Agroforestry and Food Forests

- Introduction to agroforestry systems
- Types: alley cropping, silvopasture, windbreaks
- Designing layered food forests
- Tree selection and management
- Long-term productivity benefits
- *Case Study: Forest Garden by Martin Crawford (UK)*

Module 9: Regenerative Livestock Integration

- Rotational grazing techniques
- Multi-species grazing benefits

- Soil fertilization through animal impact
- Mobile fencing and paddock planning
- Animal welfare in regenerative systems
- *Case Study: Polyface Farm, Joel Salatin*

Module 10: Natural Fertility and Input Reduction

- Natural pest management
- Use of fermented plant juices and compost teas
- Minimizing external input reliance
- Dynamic accumulators and green manure
- Creating fertility cycles on-site
- *Case Study: Korean Natural Farming in Hawaii*

Module 11: Farm Business and Sustainability Planning

- Triple-bottom-line planning
- Regenerative market positioning
- Diversified income streams
- Value-added product strategies
- Funding and grant opportunities
- *Case Study: Singing Frogs Farm (California)*

Module 12: Indigenous and Traditional Agricultural Wisdom

- Learning from ancestral systems
- Respecting cultural knowledge
- Ecological ethics in traditional farming
- Sacred farming practices
- Modern integration opportunities
- *Case Study: Native Hawaiian Ahupua‘a System*

Module 13: Transitioning from Conventional to Regenerative

- Assessing your current farm practices
- Setting phased goals
- Engaging stakeholders and community
- Risk management in transition
- Tracking progress with key indicators
- *Case Study: Australian Wheat Farm Regeneration Journey*

Module 14: Monitoring, Evaluation & Certification

- Soil testing and biodiversity indexes
- Farm carbon measurement tools
- Feedback loops and adaptive design
- Third-party certifications (ROA, Demeter, etc.)
- Documentation and reporting techniques
- *Case Study: Certified Regenerative Organic Farm in India*

Module 15: Scaling Regenerative Impact

- Regional and community-based approaches
- Farmer cooperatives and knowledge sharing
- Policy influence and advocacy
- Tech and AI in regenerative farming

- Building education hubs and model farms
- *Case Study: Savory Institute's Global Hubs*

Training Methodology

- Interactive online and on-site sessions combining theory and practical experience
- Hands-on farm design labs with permaculture planning tools
- Expert-led webinars and Q&A sessions from global regenerative leaders
- Case study evaluations to understand real-world applications
- Capstone project: Design your own regenerative farm blueprint
- Peer-to-peer feedback and discussion groups for collaborative learning

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

Ready to enroll or request a customized program? Book online or contact us:

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