Training Course on Sustainable Land Use Planning and Management

Professional Development Training Course Outline

Category	Agriculture	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Sustainable Land Use Planning and Management is a critical pillar in achieving long-term environmental sustainability, climate resilience, and economic development. Training Course on Sustainable Land Use Planning and Management is designed to equip professionals, policymakers, and stakeholders with cutting-edge tools, geospatial technologies, and practical frameworks to optimize land use while minimizing environmental degradation. Participants will explore sustainable agriculture, urban planning, ecological conservation, and inclusive stakeholder engagement strategies that promote balanced land utilization. With the increasing pressure of population growth, climate change, and urban expansion, sustainable land management is no longer optional—it is essential.

This course incorporates global best practices and aligns with the United Nations Sustainable Development Goals (SDGs), particularly SDG 11 (Sustainable Cities and Communities), SDG 13 (Climate Action), and SDG 15 (Life on Land). Learners will gain actionable knowledge in land policy development, spatial planning, environmental impact assessments, and GIS-based decision-making tools, preparing them to address modern land use challenges effectively. This program is ideal for professionals seeking resilience-building, ecosystem restoration, and sustainable resource governance.

Programme Curriculum

Training Course on Sustainable Land Use Planning and Management

Introduction

Sustainable Land Use Planning and Management is a critical pillar in achieving long-term environmental sustainability, climate resilience, and economic development. Training Course on Sustainable Land Use Planning and Management is designed to equip professionals, policymakers, and stakeholders with cutting-edge tools, geospatial technologies, and practical frameworks to optimize land use while minimizing environmental degradation. Participants will explore sustainable agriculture, urban planning, ecological conservation, and inclusive stakeholder engagement strategies that

promote balanced land utilization. With the increasing pressure of population growth, climate change, and urban expansion, sustainable land management is no longer optional—it is essential.

This course incorporates global best practices and aligns with the United Nations Sustainable Development Goals (SDGs), particularly SDG 11 (Sustainable Cities and Communities), SDG 13 (Climate Action), and SDG 15 (Life on Land). Learners will gain actionable knowledge in land policy development, spatial planning, environmental impact assessments, and GIS-based decision-making tools, preparing them to address modern land use challenges effectively. This program is ideal for professionals seeking resilience-building, ecosystem restoration, and sustainable resource governance.

Course Objectives

1. Understand climate-smart land use strategies and their global significance.
2. Apply geospatial technologies in land use assessment and monitoring.
3. Integrate ecosystem-based planning into development frameworks.
4. Develop resilient urban-rural land use models.
5. Promote inclusive stakeholder participation in land governance.
6. Conduct environmental impact assessments (EIAs) using sustainable guidelines.
7. Analyze the role of policy and institutional frameworks in land use.
8. Implement nature-based solutions for land degradation.
9. Explore smart agriculture and agroecology in sustainable land use.
10. Align land planning with SDGs and global sustainability targets.
11. Use data-driven approaches and AI tools for planning optimization.
12. Evaluate land tenure systems and their influence on land development.
13. Design climate-resilient infrastructure integrated with land planning.

Target Audiences

1. Urban and Regional Planners
2. Environmental Consultants
3. Policy Makers and Legislators
4. Land Economists and Surveyors
5. Agricultural Extension Workers
6. Natural Resource Managers
7. NGO and CSO Professionals
8. Academics and Students in Environmental Studies

Course Duration: 5 days

Course Modules

Module 1: Introduction to Sustainable Land Use Planning

- Definition and importance of sustainable land use
- Principles of land use management
- Land classification and capability assessment
- Historical perspective and global trends
- Key players and institutional roles
- **Case Study:** Integrated land use planning in the Netherlands

Module 2: Tools and Technologies in Land Use Planning

- Introduction to GIS and Remote Sensing
- Land mapping and spatial data analysis
- Modeling future land use scenarios
- Mobile data collection and cloud-based tools

- Introduction to AI and Big Data in planning
- **Case Study:** Use of GIS in Uganda's national land information system

Module 3: Legal and Institutional Frameworks

- Overview of land policies and legislations
- Land tenure systems and property rights
- Institutional coordination for land governance
- Customary vs statutory land administration
- Role of decentralization in planning
- **Case Study:** Land tenure reform in Rwanda

Module 4: Environmental Sustainability in Land Use

- Environmental impact assessment (EIA) processes
- Pollution and biodiversity considerations
- Ecosystem services and valuation
- Land degradation and desertification control
- Climate change adaptation strategies
- **Case Study:** Green zoning in Curitiba, Brazil

Module 5: Urban and Peri-Urban Land Use Management

- Urban sprawl and containment policies
- Transit-oriented development (TOD)
- Affordable housing and land access
- Mixed-use development strategies
- Green spaces and public land planning
- **Case Study:** Singapore's urban master planning system

Module 6: Agriculture and Rural Land Use

- Agroecological zoning and sustainable farming
- Land suitability for crops and livestock
- Climate-smart agricultural practices
- Agroforestry and regenerative land practices
- Land use conflict resolution in rural areas
- **Case Study:** Ethiopia's SLM (Sustainable Land Management) program

Module 7: Community Participation and Social Inclusion

- Stakeholder mapping and engagement tools
- Participatory rural appraisal (PRA) methods
- Gender equity in land access and use
- Social safeguards in land development
- Indigenous land rights and advocacy
- **Case Study:** Community land use mapping in Bolivia

Module 8: Planning for Resilience and Climate Adaptation

- Understanding climate risks and vulnerability
- Infrastructure resilience and adaptive design
- Coastal and floodplain land use planning
- Nature-based infrastructure solutions
- Early warning and disaster risk planning
- **Case Study:** Climate-resilient planning in Bangladesh Delta Plan 2100

Training Methodology

- Interactive lectures and expert-led presentations
- Practical hands-on GIS and remote sensing exercises
- Role plays and group discussions on stakeholder engagement
- Real-life case study reviews and simulations
- Field project design and peer review sessions
- Use of digital tools and open-access datasets

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	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com