Urban Planning for Sustainability Training Course

Professional Development Training Course Outline

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

Course Introduction

Urban Planning for Sustainability Training Course offers a deep dive into the principles, practices, and technologies driving **sustainable urban development** in the 21st century. As cities worldwide grapple with rapid **urbanization** and the pressing challenges of **climate change**, resource scarcity, and social inequality, this program provides professionals with the essential knowledge and practical skills to design and implement resilient, livable, and equitable urban environments. Participants will explore a holistic approach that integrates environmental, social, and economic pillars, focusing on **green infrastructure**, **smart city** solutions, and **community engagement** to create a lasting positive impact on urban landscapes.

The program is designed to empower participants to become agents of change in their organizations and communities. By focusing on trending concepts like the **circular economy**, **climate resilience**, and **transit-oriented development**, the curriculum goes beyond theory to provide actionable insights. Through a blend of expert-led instruction, interactive workshops, and real-world case studies, attendees will be equipped to develop and execute innovative urban plans that not only mitigate environmental degradation but also enhance the quality of life, promote economic vitality, and foster social equity. This course is a crucial investment for those committed to shaping the future of cities and building a more sustainable and prosperous world for generations to come.

Programme Curriculum

Urban Planning for Sustainability Training Course

Introduction

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Course Duration

5 days

Course Objectives

- Master the principles of sustainable urban planning and development.
- Analyze the environmental impact of urban growth and develop mitigation strategies.
- Design and integrate green infrastructure and nature-based solutions into urban projects.
- Apply smart city technologies for efficient resource management and improved public services.
- Formulate climate resilience plans to protect cities from environmental shocks and stresses.
- Implement circular economy models for waste reduction and resource optimization.
- Develop equitable urban policies that address social inclusivity and environmental justice.
- Evaluate and apply sustainable transport and transit-oriented development (TOD) strategies.
- Utilize data-driven decision-making through GIS and urban analytics.
- Assess and improve urban biodiversity and ecosystem services.
- Engage stakeholders and foster collaborative planning for community-led initiatives.
- Navigate the legal and regulatory frameworks for sustainable urban governance.
- Measure and report on sustainable development goals (SDGs) and urban performance metrics.

Organizational Benefits

- Demonstrates a commitment to **corporate social responsibility (CSR)** and **ESG reporting**, attracting eco-conscious clients and talent.
- Fosters a culture of creative problem-solving and **green innovation**, leading to new products, services, and operational efficiencies.
- Equips the workforce with skills to address **climate risk**, regulatory changes, and resource scarcity, ensuring long-term business resilience.
- Leads to tangible reductions in operational costs through **energy efficiency**, waste minimization, and optimized resource use.
- Positions the organization as a leader in the rapidly growing field of **sustainable development**, winning bids and attracting investment.

Target Audience

1. Urban Planners and City Officials
2. Architects and Landscape Architects
3. Civil Engineers and Construction Managers
4. Environmental Consultants and Sustainability Officers
5. Policymakers and Government Administrators
6. Real Estate Developers and Property Managers
7. Community Development Managers and NGO Leaders
8. Academics and Researchers in urban studies

Course Outline

Module 1: Foundations of Sustainable Urbanism

- Defining sustainability: The three pillars (environmental, social, economic).
- Historical context of urban growth and its challenges.
- Global frameworks: The New Urban Agenda and **Sustainable Development Goals (**
- The role of urban ecosystems and natural capital.
- Introduction to modern planning paradigms: **Compact cities** and **green urbanism**.
- **Case Study: Curitiba, Brazil:** Examining its pioneering integrated public transport and land-use planning system.

Module 2: Green Infrastructure and Nature-Based Solutions

- Principles of biophilic design and urban ecology.
- Integrating **green roofs**, living walls, and urban forests.
- Stormwater management and permeable pavements.
- Protecting and restoring urban biodiversity.
- Creating urban parks and public green spaces.
- **Case Study: Copenhagen, Denmark:** How the city?ÇÖs ?Ç£Cloudburst Management Plan?Ç¥ uses a network of green infrastructure to manage extreme rainfall.

Module 3: Smart Cities and Technology for Sustainability

- Harnessing **IoT** and big data for urban management.
- Developing **intelligent transport systems** and **smart grids**.
- Digital twins for urban simulation and planning.
- Smart waste management and water systems.
- Leveraging technology for **citizen engagement**.
- **Case Study: Songdo, South Korea:** Analyzing the development and challenges of a purpose-built "smart city."

Module 4: Climate Resilience and Disaster Risk Reduction

- Assessing climate vulnerabilities and risks (heat islands, flooding, sea-level rise).
- Developing climate action and adaptation plans.
- Designing resilient infrastructure and buildings.
- Emergency preparedness and early warning systems.
- The social equity implications of climate change.
- **Case Study: Rotterdam, Netherlands:** Exploring the city?ÇÖs innovative flood defenses and ?Ç£room for the river?Ç¥ strategy.

Module 5: Sustainable Mobility and Urban Form

- Strategies for reducing car dependency.
- Developing **active transportation** networks (walking and cycling).
- Planning for **mass transit** and **transit-oriented development (TOD)**.
- Promoting **electric vehicles** and shared mobility.
- The link between urban density, form, and sustainability.
- **Case Study: Portland, Oregon, USA:** Analyzing its success in promoting public transit and cycling through integrated land-use planning.

Module 6: Resource Management and the Circular Economy

- Understanding the linear vs. circular economic model.
- Strategies for waste reduction, recycling, and reuse.
- Urban metabolism and resource flow analysis.
- Sustainable energy systems, including **renewable energy** integration.
- Water conservation and greywater recycling.
- **Case Study: Amsterdam, Netherlands:** How the city is piloting circular economy strategies in construction and materials.

Module 7: Social Equity and Inclusive Urban Planning

- Addressing gentrification and displacement.
- Ensuring equitable access to housing, services, and green spaces.
- Promoting **community-based planning** and public participation.
- Designing safe, accessible, and inclusive public spaces for all demographics.
- Integrating cultural heritage and social capital.
- **Case Study: Freiburg, Germany:** Examining its Vauban district as a model for sustainable, community-oriented housing.

Module 8: Urban Governance and Policy Implementation

- Creating effective partnerships between public, private, and civil sectors.
- Policy tools for incentivizing sustainable development (zoning, green building codes).
- Financing sustainable urban projects.
- Measuring progress and reporting on sustainability indicators.
- Leadership and advocacy for change.
- **Case Study: Singapore:** How the city-state?ÇÖs long-term, integrated planning has driven sustainable growth.

Training Methodology

This course utilizes a dynamic and interactive training methodology that combines theoretical learning with practical application. The approach includes:

- Expert-Led Lectures.
- Interactive Workshops.
- Case Study Analysis.
- Guest Speaker Sessions: Insights from industry leaders and innovators.
- Role-Playing and Simulations
- Digital Tools and GIS Demos: Hands-on experience with modern planning software.

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
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

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