Sustainable Urban Mobility 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

The global trend towards urbanization presents a critical challenge and opportunity for creating livable, sustainable, and resilient cities. A key component of this transition is transforming urban mobility systems. Traditional, car-centric models contribute significantly to traffic congestion, air pollution, and climate change, negatively impacting public health and economic productivity. Sustainable Urban Mobility Training Course is designed to empower professionals with the knowledge and skills to develop and implement innovative, data-driven solutions that prioritize people, the planet, and prosperity. We delve into cutting-edge technologies, integrated planning strategies, and multi-stakeholder collaboration to foster equitable, efficient, and low-carbon urban transport networks.

This comprehensive training program focuses on a holistic, systems-thinking approach to urban transport planning. Participants will explore the latest trends in **smart cities**, **Mobility-as-a-Service (MaaS)**, and **active mobility**, gaining practical expertise in crafting and executing **Sustainable Urban Mobility Plans (SUMPs)**. The curriculum emphasizes a shift from moving vehicles to moving people, promoting a future where urban areas are defined by accessibility, inclusivity, and environmental sustainability. Through a blend of theoretical frameworks, real-world case studies, and hands-on exercises, this course equips participants to become leaders in the **urban mobility revolution**, driving the **decarbonization** and **digital transformation** of cities worldwide.

Programme Curriculum

Sustainable Urban Mobility Training Course

Introduction

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Course Duration

5 days

Course Objectives

1. Formulate Sustainable Urban Mobility Plans (SUMPs) that integrate land use, transport, and environmental strategies.
2. Leverage data analytics and Intelligent Transport Systems (ITS) to optimize traffic flow and improve system efficiency.
3. Implement Mobility-as-a-Service (MaaS) platforms to integrate public transit, shared mobility, and micromobility options.
4. Design and promote active mobility infrastructure, including pedestrian-friendly and cycling networks.
5. Develop strategies for the electrification of urban fleets and the deployment of zero-emission vehicles.
6. Assess and mitigate the environmental impact of transport, focusing on air quality, noise pollution, and carbon reduction.
7. Apply circular economy principles to urban mobility through sustainable infrastructure materials and resource management.
8. Enhance social equity and inclusive mobility by ensuring accessible transport for all citizens, including those with disabilities and in low-income areas.
9. Master stakeholder engagement and policy formulation for effective and collaborative urban transport governance.
10. Analyze the role of autonomous vehicles (AVs) and other emerging technologies in shaping the future of urban mobility.
11. Develop resilient and climate-adaptive mobility systems that can withstand and recover from disruptive events.
12. Integrate smart city technologies, such as IoT and AI, to create dynamic and responsive transport networks.
13. Create sustainable funding models and public-private partnerships (PPPs) to finance urban mobility projects.

Organizational Benefits

- Equip staff with in-demand skills in sustainable urban planning, future-proofing your organization's capabilities.
- Drive internal innovation by applying cutting-edge concepts like MaaS and smart infrastructure.
- Ensure successful project implementation by adopting an integrated and holistic planning approach.
- Offer a high-value professional development opportunity to attract and retain skilled personnel.
- Align your organization with global sustainability goals, regulatory compliance, and a strong CSR profile.
- Build resilient systems that can better withstand economic, environmental, and social shocks.

Target Audience

- Urban planners and transport engineers
- City officials and local government representatives
- Transport and public works professionals
- Urban developers and real estate managers
- Environmental consultants and sustainability officers
- Academics and researchers in urban studies
- Private sector mobility service providers
- NGOs and community advocates focused on urban development

Curse Outline

Module 1: Foundations of Sustainable Urban Mobility

- Defining sustainable urban mobility and its three pillars: environmental, social, and economic.
- Analyzing global urban challenges: congestion, pollution, and social inequality.
- Introduction to policy frameworks: Sustainable Urban Mobility Plans (SUMPs).
- Understanding the shift from "moving cars" to "moving people."
- **Case Study:** The transformation of Copenhagen, Denmark, into a global cycling capital through policy and infrastructure investment.

Module 2: The Future of Mobility: Technology and Innovation

- Exploring the role of Intelligent Transport Systems (ITS), IoT, and Big Data.
- **Mobility-as-a-Service (MaaS):** Integrating public transit with shared bikes, scooters, and ride-hailing.
- Overview of the potential and challenges of autonomous vehicles (AVs) and drones.
- The digital twin concept for urban transport modeling and simulation.
- **Case Study:** The Helsinki Whim app, a leading MaaS platform, and its impact on car ownership.

Module 3: Decarbonization and Electrification

- Strategies for transitioning to zero-emission fleets: public transit, private vehicles, and urban logistics.
- Planning and deploying EV charging infrastructure.
- Integrating renewable energy sources into the transport ecosystem.
- Assessing the life cycle environmental impacts of different transport modes.
- **Case Study:** Oslo, Norway's ambitious plan to electrify its entire transport system and its supporting policies.

Module 4: Active and Inclusive Mobility

- Designing safe and attractive infrastructure for pedestrians and cyclists.
- Promoting public health and well-being through active transport.
- Ensuring equitable access to mobility for all user groups, including the elderly and those with disabilities.

- The concept of "15-minute cities" and walkable urban environments.
- **Case Study:** The "Superblocks" project in Barcelona, Spain, reclaiming street space for people and green areas.

Module 5: Public Transport and Multimodal Integration

- Best practices for developing efficient and reliable public transit networks
- Strategies for public transport funding, pricing, and service regulation.
- Seamless integration of different transport modes (multimodality).
- Improving the user experience with smart ticketing and real-time information.
- **Case Study:** Singapore's integrated public transport system, combining state-of-the-art technology with efficient policy.

Module 6: Urban Logistics and Freight Transport

- Addressing the challenges of last-mile delivery and urban congestion.
- Exploring sustainable solutions: cargo bikes, electric vans, and urban consolidation centers.
- Leveraging technology to optimize supply chains and reduce emissions.
- The impact of e-commerce on urban freight transport.
- **Case Study:** The Paris Rungis Market's sustainable logistics platform for food and goods.

Module 7: Governance, Policy, and Finance

- Developing effective policies and regulatory frameworks for sustainable mobility.
- Strategies for successful stakeholder engagement and public participation.
- Innovative financing mechanisms for mobility projects, including public-private partnerships.
- Measuring and monitoring the performance of mobility plans and projects.
- **Case Study:** Curitiba, Brazil's pioneering Bus Rapid Transit (BRT) system and its innovative financing model.

Module 8: Urban Resilience and Climate Adaptation

- Planning for climate-related risks in transport infrastructure (flooding, extreme heat).
- Developing emergency response plans for mobility systems.
- The role of transport in building resilient and adaptable cities.
- Assessing vulnerabilities and designing future-proof mobility networks.
- **Case Study:** New York City's resilience strategy for its transport system in the face of rising sea levels and extreme weather events.

Training Methodology

This course uses a blended learning approach that combines instructor-led sessions, interactive group work, and practical application. The methodology includes:

- Interactive Lectures.
- Case Study Analysis.
- Hands-on Workshops.
- Group Discussions.
- Guest Speakers: Insights from leading professionals and policymakers in the field.
- Field Visits (optional): Experiential learning through visits to key mobility projects.

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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