Urban Environmental Health Training Course

Professional Development Training Course Outline

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

Course Introduction

Urban Environmental Health is a rapidly evolving field focused on addressing the complex environmental and public health challenges affecting modern cities. Rapid urbanization, climate change, waste mismanagement, air pollution, water contamination, emerging infectious diseases, and unsustainable infrastructure have intensified the need for skilled professionals capable of developing resilient, healthy, and sustainable urban environments. Urban Environmental Health Training Course equips participants with cutting-edge knowledge, practical tools, and data-driven strategies to identify, assess, prevent, and manage environmental health risks in urban settings. Participants will explore smart city innovations, environmental risk assessment, climate adaptation, urban sanitation systems, pollution control technologies, and sustainable public health interventions aligned with global development goals.

The course integrates global best practices, digital environmental monitoring systems, GIS mapping, environmental policy frameworks, ESG compliance, climate resilience planning, occupational health, and community engagement strategies. Through real-world case studies, interactive workshops, and practical field applications, learners will develop competencies in urban health governance, environmental sustainability, disaster preparedness, waste management, and public health emergency response. The training is designed to strengthen institutional capacity, improve environmental health outcomes, and support green urban transformation initiatives in both developed and emerging cities.

Programme Curriculum

Urban Environmental Health Training Course

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Course Duration

5 days

Course Objectives

By the end of the training, participants will be able to:

1. Analyze urban environmental health risks using data-driven assessment tools.
2. Apply climate resilience and sustainable city planning strategies.
3. Develop pollution prevention and air quality management frameworks.
4. Implement smart waste management and circular economy solutions.
5. Conduct environmental impact assessments (EIA) for urban projects.
6. Design public health interventions for vulnerable urban populations.
7. Utilize GIS mapping and digital environmental monitoring technologies.
8. Strengthen urban sanitation and water safety management systems.
9. Integrate ESG principles into environmental health governance.
10. Enhance disaster risk reduction and emergency preparedness planning.
11. Promote occupational and community health protection strategies.
12. Develop sustainable environmental policies aligned with SDGs.
13. Apply innovative green infrastructure and smart city solutions.

Target Audience

1. Environmental Health Officers
2. Public Health Professionals
3. Urban Planners and City Managers
4. Waste Management Professionals
5. Water and Sanitation Specialists
6. Environmental Consultants and ESG Officers
7. NGOs and Community Development Practitioners
8. Government Regulators and Policy Makers

Course Modules

Module 1: Foundations of Urban Environmental Health

- Principles of urban environmental health
- Urbanization and public health challenges
- Environmental determinants of health
- Sustainable development and SDGs
- Environmental health governance frameworks
- **Case Study:** Assessment of environmental health challenges in rapidly growing informal settlements.

Module 2: Climate Change and Urban Resilience

- Climate adaptation strategies
- Urban heat island effects
- Climate-smart cities
- Disaster preparedness and resilience planning
- Green infrastructure development
- **Case Study:** Climate resilience planning for flood-prone urban communities.

Module 3: Air Pollution and Environmental Monitoring

- Urban air quality management
- Emission control technologies
- Environmental monitoring systems
- GIS and remote sensing applications
- Data analytics for environmental health
- **Case Study:** Air pollution monitoring and mitigation in high-traffic urban corridors.

Module 4: Water, Sanitation, and Hygiene (WASH)

- Urban water safety management
- Wastewater treatment systems
- Sanitation infrastructure planning
- Waterborne disease prevention
- Hygiene promotion strategies
- **Case Study:** Improving sanitation systems in densely populated urban settlements.

Module 5: Solid Waste Management and Circular Economy

- Integrated waste management systems
- Recycling and resource recovery
- Hazardous waste handling
- Circular economy models
- Smart waste technologies
- **Case Study:** Smart waste collection and recycling initiatives in metropolitan cities.

Module 6: Occupational and Community Environmental Health

- Occupational health risk assessment
- Community exposure pathways
- Environmental toxicology
- Workplace safety standards
- Public health surveillance systems
- **Case Study:** Managing occupational exposure risks in industrial urban zones.

Module 7: Environmental Policy, ESG, and Compliance

- Environmental regulations and compliance
- ESG and sustainability reporting
- Environmental Impact Assessment (EIA)
- Policy development and enforcement
- Stakeholder engagement strategies
- **Case Study:** ESG integration in urban infrastructure development projects.

Module 8: Smart Cities and Emerging Technologies

- Smart city environmental solutions
- IoT applications in environmental monitoring
- Artificial intelligence for urban health
- Digital public health systems
- Innovation and sustainable urban transformation
- **Case Study:** Deployment of smart environmental sensors for real-time city monitoring.

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

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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