Environmental Health Impact Assessment (EHIA) 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

Environmental Health Impact Assessment (EHIA) is a critical and rapidly evolving discipline that integrates environmental science, public health, climate resilience, and sustainable development planning to evaluate the potential health effects of projects, policies, and programs before implementation. As global challenges such as climate change, urbanization, pollution, and industrial expansion intensify, EHIA has become a cornerstone of evidence-based decision-making for governments, NGOs, and private sector developers. Environmental Health Impact Assessment (EHIA) Training Course is designed to equip professionals with advanced competencies in environmental risk analysis, health risk assessment, regulatory compliance, and sustainable development frameworks aligned with global standards such as WHO Environmental Health Guidelines and Sustainable Development Goals (SDGs).

The course emphasizes practical application of cutting-edge methodologies including geospatial analysis, environmental epidemiology, health risk modeling, and climate-sensitive impact forecasting. Participants will gain hands-on experience in conducting comprehensive EHIA studies, stakeholder engagement, mitigation planning, and reporting using internationally recognized tools and frameworks. The training is tailored to strengthen capacity in environmental governance, public health protection, and sustainability reporting for high-impact decision-making across sectors such as infrastructure, energy, mining, urban planning, and industrial development.

Programme Curriculum

Environmental Health Impact Assessment (EHIA) Training Course

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Course Duration

5 days

Course Objectives

1. Master Environmental Health Impact Assessment (EHIA) frameworks and global best practices
2. Understand Climate Change Health Risk Assessment methodologies
3. Apply Environmental Risk Analysis and Toxicological Assessment tools
4. Conduct Air, Water, and Soil Pollution Impact Evaluation
5. Integrate GIS Mapping and Spatial Environmental Health Analytics
6. Develop Sustainable Development Impact Mitigation Strategies
7. Perform Health Risk Modeling and Exposure Pathway Analysis
8. Align projects with SDGs Environmental Sustainability Targets
9. Apply WHO Environmental Health Safety Standards
10. Conduct Stakeholder Engagement and Public Health Consultation
11. Design Environmental Monitoring and Compliance Systems
12. Strengthen Climate Resilience and Disaster Risk Reduction planning
13. Produce Professional EHIA Reports for Regulatory Approval

Target Audience

1. Environmental Health Officers and Public Health Practitioners
2. Environmental Consultants and Impact Assessment Experts
3. Urban and Regional Planners
4. Government Regulators and Policy Makers
5. Engineers in Construction, Energy, and Infrastructure Projects
6. NGO and Development Agency Professionals
7. Researchers in Environmental Science and Epidemiology
8. Corporate Sustainability and ESG Officers

Course Modules

Module 1: Foundations of Environmental Health Impact Assessment

- Principles of EHIA and global frameworks
- Link between environment, health, and sustainability
- Regulatory and legal frameworks (national & international)
- Introduction to environmental determinants of health
- **Case Study:** Urban industrial expansion and respiratory disease outbreaks

Module 2: Environmental Risk Assessment Techniques

- Hazard identification and risk characterization
- Dose-response assessment methods
- Exposure assessment modeling
- Environmental toxicology fundamentals
- **Case Study:** Chemical plant contamination and groundwater exposure

Module 3: Air Quality and Climate Change Impacts

- Air pollution monitoring and analysis
- Greenhouse gas emissions assessment
- Climate change adaptation strategies
- Heat stress and urban health impacts
- **Case Study:** Urban smog crisis and cardiovascular health impacts

Module 4: Water and Sanitation Health Impact Assessment

- Water contamination analysis
- Sanitation systems and disease transmission
- Safe drinking water standards
- Wastewater impact evaluation
- **Case Study:** Cholera outbreak linked to contaminated water supply

Module 5: Soil, Waste, and Hazardous Substances

- Soil pollution and agricultural health risks
- Solid waste management impacts
- Hazardous waste exposure pathways
- Industrial chemical risk assessment
- **Case Study:** E-waste dumping site and heavy metal poisoning

Module 6: GIS and Spatial Health Analytics

- GIS mapping for environmental health
- Spatial risk modeling techniques
- Remote sensing applications
- Data visualization for decision-making
- **Case Study:** Mapping malaria hotspots using spatial analytics

Module 7: Environmental Policy, Governance & Compliance

- Environmental laws and compliance frameworks
- Environmental Impact Assessment (EIA) vs EHIA
- Institutional governance structures
- Monitoring, auditing, and enforcement systems

- **Case Study:** Non-compliance penalties in mining operations

Module 8: Reporting, Mitigation & Sustainable Solutions

- EHIA reporting standards and formats
- Risk communication strategies
- Mitigation and adaptation planning
- ESG and sustainability reporting integration
- **Case Study:** Infrastructure project redesign to reduce displacement and pollution

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

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

Register Online Now

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