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**INTEGRATED INSTITUTE OF ENVIRONMENT AND
DEVELOPMENT (IIED)**

**FEDERAL UNIVERSITY OF PETROLEUM RESOURCES EFFURUN,
DELTA STATE**

ENVIRONMENTAL COMPETENCY CERTIFICATION SCHEME

TRAINING BROCHURE

INTEGRATED INSTITUTE OF ENVIRONMENT AND DEVELOPMENT
SPECIALIZED TRAINING PROGRAMMES

IIED has as her core objective, development of competency with regard to environmental management progress. One sure way of implementing this, is via a programme of environmental training designed to give individuals employability within the environmental field and their employers greater confidence in the quality of courses they participate in.

At IIED, is a team of technical experts who have hands-on experience in managing a variety of environmental projects. Their consulting experience and up-to-date knowledge about the statutes, regulations, standards etc., provide an in-depth technical knowledge to the participants. In addition IIED also conducts customized trainings as may be required by the client for different companies such as refineries, petrochemical industries, engineering companies, processing and manufacturing industries, power plants, hotels, Waste management companies as well as governmental regulatory agencies, amongst others. These trainings could be conducted in designated venues as would be requested by the client.

Target audience include Environmental Managers, Supervisors, Policy makers, CEOs, Process Engineers, Health and Safety professionals, Legislators, Regulatory agencies, Non – Governmental Organizations, Researchers, members of different Professional Associations (Nigerian Environmental Society (NES), Waste Management Society of Nigeria (WAMASON), Nigerian Society of Microbiology (NSM), Nigerian Geographical Association (NGA), Nigerian Bar Association (NBA), members of regulatory bodies, fresh graduates (Corpers), among others.

Training shall be in modules; Training materials, Tea and Launch shall be served to participants; assessment shall be conducted at the end of the training and certificates shall be given to deserving students.

Short certificate courses that shall be run are tabulated below.

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Course title	Course content/description	Target Audience	Duration	Course title	Costs
1	Radiation Protection and Radionuclide Safety and Management	Introduction of terminology e.g. radiation, radionuclide, radioactivity, NORM, TENORM, Scale, Sludge, Scraps etc. Identify areas in the oil and gas environment where they can be found. Identify various oil and gas facilities where radiation occurs	HSE officers, drillers and drilling superintendents in all oil and gas multinational companies. Refinery HSE officers and Management staff, Tank farm manager/operator, Oil servicing company HSE officers, Nigerian Nuclear Regulatory Authority (NNRA), Federal and State Ministry of Environment, Oil and gas product/equipment/facilities haulage companies.	5 days	Student: N250,000 Industry Professionals: N450,000
2.	Environmental Corrosion	General principles of corrosion, types of corrosion, general guide to corrosion protection, Understanding safe operational costs.	Oil and gas product/equipment/facilities haulage companies, Corrosion Engineers, Tank farm manager/ operator, Oil servicing company HSE officers, Integrity testing companies.	3 days	Student: N150,000 Industry Professionals: N350,000
3.	Integrated Waste Management	Elements include wastes classification, producer responsibility and option for waste minimization/disposal,	Waste management companies/waste managers, HSE Managers of waste management companies, Environmental regulatory Agencies.	3 days	Student: N150,000 Industry Professionals: N350,000

		Production of customized waste management plan for differs work places.			
4.	Reducing Organizational Green House Emissions	The course provides a background and introduction to greenhouse gas projects. The course reviews the requirements of ISO14064-2, including principles and requirements for determining project baselines, reporting project performance among others. The course also explores linkages between ISO 14064-2 and other GHG protocols.	Environmental managers, supervisors, Process Engineers, Policy makers, Manufacturing industries, HSE Officers, Environmental regulatory Agencies, among others.	3 days	Student: N200,000 Industry Professionals: N450,000
5.	ISO 14001 EMS Essentials	The course will provide participant with a better understanding of the requirements of the ISO 14001 Environmental Management Systems standard. The course provides the foundation for anyone involved in developing or	Environmental managers, supervisors, Process Engineers, Policy makers, Manufacturing industries, HSE Officers, Environmental regulatory Agencies, among others.	3 days	Student: N150,000 Industry Professionals: N350,000

		maintain an ISO 14001- based Environmental Management System.			
6.	Oil Spill Techniques and Contingency Planning	At the end of the course, participants will be trained on the relevant rudimentary and practicable preventive and control measures in case of oil spill.	Environmental managers, supervisors, Manufacturing industries, HSE Officers, Environmental regulatory Agencies, Oil and gas product/equipment/facilities haulage companies, Corrosion Engineers, Tank farm manager/ operator.	3 days	Student: N200,000 Industry Professionals: N450,000
7	Oil Spill Trajectory Modelling	At the end of the course, participants will be trained on the relevant rudimentary and practicable preventive and control measures in case of oil spill. The course shall also identify and suggest possible remedy, control and management of the impacts as well as to determine the effectiveness of the propounded remedies for possible clean-up.	Environmental managers, supervisors, Manufacturing industries, HSE Officers, Environmental regulatory Agencies, Oil and gas product/equipment/facilities haulage companies, Corrosion Engineers, Tank farm manager/ operator	3 days	Student: N200,000 Industry Professionals: N350,000
8.	Developing and Implementation of Environmental Risk Register	Participants will acquire detailed knowledge and skills to develop project	Environmental managers, supervisors, Process Engineers, Policy makers, Manufacturing industries, HSE Officers,	2 days	Student: N150,000

		specific environmental risks register.	Environmental regulatory Agencies, Waste management companies/waste managers among others.		Industry Professionals: N300,000
9.	Environmental Audit- Types, Approach and Methodology	Participants would understand the meaning of Environmental audit, know the origin and growth of environmental auditing, know the types of environmental audit, discuss the general principles and process of Environmental auditing.	Environmental managers, supervisors, Process Engineers, Policy makers, Manufacturing industries, HSE Officers, Environmental regulatory Agencies, Waste management companies/waste managers among others	2 days	Student: N150,000 Industry Professionals: N300,000
10.	Approaches to Environmental Site Assessment- Phases I, II & III	The participants will acquire knowledge on the theory and application of the principles of environmental site assessment (Phase I,II and III), Explore a variety of techniques used to assess environment impacts relating to site disturbance, contamination and other stressors, among others.	Environmental managers, supervisors, Process Engineers, Policy makers, Manufacturing industries, HSE Officers, Environmental regulatory Agencies, Waste management companies/waste managers among others	3 days	Student: N150,000 Industry Professionals: N300,000

11.	Integrated Water Resources Management (IWRM) as a tool for Adaptation to Climate Change	Participants will understand and know the concept of IWRM, drivers and impacts of climate change, Strategy development and planning for adaptation, Impacts of climate change on water use sectors, Instruments and measure for adaptation and Adaptation to climate change in water management	Environmental managers, Researchers, supervisors, Process Engineers, Policy makers, Manufacturing industries, HSE Officers, Environmental regulatory Agencies, Waste management companies/waste managers among others	4 days	Student: N200,000 Industry Professionals: N350,000
12.	Environmental Field Data Gathering Methodologies	Participants will be able to conduct the following; climate and meteorology studies, air quality studies, noise level, geology and hydrogeology, soil studies, water and sediment sampling, planktons, benthos, vegetation, wildlife and socio-economic studies.	Environmental consultants, Environmental managers, supervisors, Process engineers, Policy makers, Manufacturing industries, HSE officers, Environmental regulatory agencies, Waste management companies/waste managers, Health and environmental workers at the Local Government and State levels among others.	4 days (classwork) 1 day field work	Student: N200,000 Industry Professionals: N350,000
13.	Environmental Documentation and Reporting	This course will expose participants to basic environmental documentation and reporting strategic	Environmental managers, supervisors, Process engineers, Policy makers, Manufacturing industries, HSE Officers,	2 days	Student: N150,000

		skills during environmental studies. Participants will be able to produce a well written and articulated report that meets national and international standards.	Environmental regulatory agencies, Waste management companies/waste managers, Environmental consultants, NGOs, Environmental lawyers, Health and environmental workers at the Local Government and State levels among others.		Industry Professionals: N250,000
14.	The Role of Geographical Information System (GIS) in Environmental Management	Participants will understand and know how to use the GIS in making better environmental decision, making maps, improve management of data and work flow procedures.	Environmental managers, supervisors, Researchers, Process engineers, Policy makers, Manufacturing industries, HSE Officers, Environmental regulatory agencies, Waste management companies/waste managers among others.	2 days	Student: N150,000 Industry Professionals: N250,000
15.	Economic Dimensions of Climate Change Dynamics	Participants will have a comprehensive critical discussion of climate change emphasizing the benefits of a climate policy and the costs of implementing the policy. Learn climatic change mitigation measures for the purpose of saving the global ecosystem.	Environmental managers, supervisors, Process engineers, Policy makers, Manufacturing industries, HSE officers, Environmental regulatory agencies, Waste management companies/waste managers among others.	2 days	Student: N150,000 Industry Professionals: N250,000
16.	Income Generation Strategies through Environmental Business	Participants will acquire knowledge	Environmental managers, supervisors, Process	2 days	Student: N150,000

		and skills of profit making and strategy for promoting green market.	engineers, Policy makers, Manufacturing industries, HSE officers, Environmental regulatory agencies, Waste management companies/waste managers, NGO, Entrepreneurs, among others.		Industry Professionals: N250,000
17.	Environmental Justice and the Roles of NGOs in Nigeria	Participants will acquire the knowledge and skills in; improving the quality of life and raising awareness, making cities cleaner, saving water, promoting public transportation, enhancing energy solutions for buildings etc., offering creative solutions that will stand the test of time and preventing environmental climate.	Environmental managers, supervisors, Process engineers, Policy makers, Manufacturing industries, HSE officers, Environmental regulatory agencies, Waste management companies/waste managers, Environmental lawyers, NGOs, Community leaders, among others	2 days	Student: N100,000 Industry Professionals: N200,000
18.	Environmental Pollution linked to Oil and Gas Drilling Activities	Participants will understand and avoid the different negative effects of pollution linked to oil and gas drilling activities on marine and other wildlife.	Environmental managers, supervisors, Process engineers, Policy makers, Manufacturing industries, HSE officers, Environmental regulatory agencies, Waste management	2 days	Student: N150,000 Industry Professionals: N250,000

			companies/waste managers among others.		
19.	Environmental Laws, Regulations, Policies, Guidelines and Standards	Participants will be exposed to the existing legal and institutional arrangements for ensuring environmental standards in Nigeria. It includes listing and discussing all National environmental laws, policies, regulations, guidelines, standards and some international framework and conventions. Functions of environmental regulatory institutions in Nigeria and framework for enforcing environmental laws in Nigerian environment will be learnt.	Environmental managers, supervisors, Process engineers, Policy makers, Manufacturing industries, HSE officers, Environmental regulatory agencies, Waste management companies/waste managers among others.	2 days	Student: N100,000 Industry Professionals: N200,000
20.	Introduction to Environmental Management Tools	The participants will understand the meaning of environmental management tools, their goals and objectives. Participants will be	Environmental managers, supervisors, Process engineers, Policy makers, Manufacturing industries, HSE officers, Environmental regulatory agencies, Waste management	3 days	Student: N150,000 Industry Professionals: N300,000

		able to implement environmental management tools such as Environmental Impact Assessment (EIA), Environmental Evaluation Report (EER), Environmental Audit (EA), Environmental Sensitivity Index (ESI) etc. in their organizations.	companies/waste managers among others.		
20.	Introduction to Environmental Management Tools	The participants will understand the meaning of environmental management tools, their goals and objectives. Participants will be able to implement environmental management tools such as Environmental Impact Assessment (EIA), Environmental Evaluation Report (EER), Environmental Audit (EA), Environmental Sensitivity Index (ESI) etc. in their organizations.	Environmental managers, supervisors, Process engineers, Policy makers, Manufacturing industries, HSE officers, Environmental regulatory agencies, Waste management companies/waste managers among others.	3 days	Student: N150,000 Industry Professionals: N300,000

21.	Reducing Business Costs in an Environmentally Sustainable Manner	Participants will be able to apply different sustainable approaches to address current environmental issues applicable to the business services industry. Promote company environmental credentials.	Environmental managers, supervisors, Process engineers, Policy makers, Manufacturing industries, HSE officers, Environmental regulatory agencies, Waste management companies/waste managers, Researchers, among others.	3 days	Student: N150,000 Industry Professionals: N300,000
22.	Pollution Control and Environmental Monitoring	Participant will acquire knowledge and skills about the principle of managing and controlling pollution, minimize the environmental damage and impact of pollution on the populace. Examine the popular causes of pollution and pollutants such as household waste, industrial, nuclear, chemical and commercial waste etc. Examine methods through which these pollution spreads (air, water, soil) and mitigation actions, techniques and technology to combat	Environmental managers & supervisors, Process engineers, Policy makers, Manufacturing industries, HSE officers, Environmental regulatory agencies, Waste management companies/waste managers among others.	3 days	Student: N150,000 Industry Professionals: N300,000

		pollution and minimize the risk of spread. Examine the environmental, ecological and social problems associated with pollution among others.			
23.	Environmental Scarcity and National Security	Participants will be exposed to a comprehensive critical discussions of environmental security, origins and implications of a wide variety of approaches to the subject including the nexus between environmental scarcity and environmental security.	Environmental managers, supervisors, Process engineers, Policy makers, Manufacturing industries, HSE officers, Environmental regulatory agencies, Waste management companies/waste managers, security agencies among others.	2 days	Student: N150,000 Industry Professionals: N250,000
24.	Biological Diversity: Issues and Challenges	Participants will understand; the meaning of biodiversity, forms of biodiversity, importance of biodiversity, meaning of biodiversity loss, causes of biodiversity, consequences of biodiversity loss, etc.	Environmental managers and supervisors, Researchers, Policy makers, Environmental Conservationists, HSE officers, Environmental regulatory agencies, Waste management companies/waste managers, security agencies among others.	2 days	Student: N150,000 Industry Professionals: N250,000
25.	Environmental Impact Assessment	Participants will be able to understand and	Environmental managers, supervisors, Process	2 days	Student: N150,000

		<p>communicate basic principles of environmental assessment , understand how Environmental Impact Assessment (EIA) fits into consenting procedures for major developments and the EIA legislative framework, plan an EIA study, recognize a good EIA report, improve their organization's ability in EIA. Screen projects, conduct scoping workshops and understand how to prepare a suitable term of reference (TOR) among others.</p>	<p>engineers, Policy makers, Manufacturing industries, HSE officers, Environmental regulatory agencies, Waste management companies/waste managers, security agencies among others.</p>		<p>Industry Professionals: N250,000</p>
26.	Environmental Governance	<p>Participants will be able to define International Environmental Governance (IEG), identify the main actors and elements of IEG, identify the role of non-state actors, UN bodies and agencies in international law and</p>	<p>Environmental managers, supervisors, Process engineers, Policy makers, regulators, Manufacturing industries, HSE officers, Environmental regulatory agencies, Waste management companies/waste managers, security agencies among others.</p>	2 days	<p>Student: 100,000</p> <p>Industry Professionals: N250,000</p>

		policy making, identify the regional international organizations that contribute to IEG, discuss the suitable levels (global or regional) to deal with a specific environmental issue, identify and list the challenges and the strengths of the current IEG regime, describe the different approaches for improving the current IEG regime and discuss the approaches for improving IEG			
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Items to be considered

1. Each course shall be taken by three to four (3-4) lecturers, from the academia and industry to ensure effective delivery of the theoretical and industry knowledge.
2. Honorarium shall range from ₦100,000 – ₦120,000 per module.
3. Accommodation can be arranged with hotels around the venue of the training, but shall be paid by the trainees.
4. Costs of trainings will range from ₦250,000 to ₦450,000 per participant depending on the number of days.
5. A stream would make up of about 15-20 trainees.

Prof. Rim-Rukeh Akpofure

Host, IIED

Dr. (Mrs) L.E. Tudararo-Aherobo

Ag. Director, IIED