



COURSE OVERVIEW HE0102

Certificate in Environmental Management

Course Title

Certificate in Environmental Management

Course Reference

HE0102

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs



Course Date/Venue

Session(s)	Dates	Venue
1	January 07-11, 2024	Business Center, Concorde Hotel Doha, Doha, Qatar
2	April 22-26 2024	Ajman Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
3	July 07-11, 2024	Jubail Hall, Signature Al Khobar Hotel, Al Khobar, KSA
4	October 13-17, 2024	Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE

Course Description



This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.



This course is designed to provide participants with a detailed and up-to-date overview of environmental management. It covers the issues, science and philosophy that underpin environmental sustainability to a level that enables a general presentation to be made; the earth's natural systems, business and environment, effects of releases and towards sustainability; the relevant legislation for an organization and taking initial steps towards ensuring compliance; the instruments for change and controls on emissions to the atmosphere; and the management of contained waste and controls on discharges to the water environment.



During this interactive course participants will learn the issues relating to contaminated land and avoiding nuisance; the producer responsibility and other relevant legislation; the role of various analytical and managerial tools; the assessment, interpretation and management of environmental performance; the environmental impacts and environmental management systems (EMS); the environmental audit and life cycle analysis; and the environmental risk assessment, pollution prevention and control and environmental communication.





Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain a good working knowledge of a wide range of environmental management and assessment issues
- Apply the issues, science and philosophy that underpin environmental sustainability to a level that enables a general presentation to be made
- Discuss earth's natural systems, business and environment, effects of releases and towards sustainability
- Identify relevant legislation for an organization and take initial steps towards ensuring compliance
- Recognize the instruments for change and controls on emissions to the atmosphere, management of contained waste and controls on discharges to the water environment
- Explain the issues relating to contaminated land, avoid nuisance and discuss producer responsibility and other relevant legislation
- Implement the role of various analytical and managerial tools and the assessment, interpretation and management of environmental performance
- Identify and assess environmental impacts and discuss environmental management systems (EMS)
- Carryout monitoring, environmental audit and life cycle analysis
- Employ environmental impact assessment and strategic environmental assessment (SEA)
- Apply environmental risk assessment, pollution prevention and control and environmental communication

Exclusive Smart Training Kit - H-STK®



Participants of this course will receive the exclusive “Haward Smart Training Kit” (H-STK®). The H-STK® consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.

Who Should Attend

This course is intended for environmental managers, advisers, consultants and others who are seeking a certificate in environmental management.



Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking

Training Methodology

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures
- 20% Workshops & Work Presentations
- 30% Case Studies & Practical Exercises
- 20% Software, Simulators & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons

Course Fee

Doha	US\$ 6,500 per Delegate. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Abu Dhabi	US\$ 5,500 per Delegate + VAT . This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Al Khobar	US\$ 5,500 per Delegate + VAT . This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Dubai	US\$ 5,500 per Delegate + VAT . This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.



Course Certificate(s)

- (1) International Internationally recognized Wall Competency Certificates and Plastic Wallet Card Certificates will be issued to participants who completed a minimum of 80% of the total tuition hours and successfully passed the exam at the end of the course. Certificates are valid for 5 years.

Recertification is FOC for a Lifetime.

Sample of Certificates

The following are samples of the certificates that will be awarded to course participants:-





- (1) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.

* Haward Technology * CEUs * Haward Technology * CEUs * Haward Technology * CEUs * Haward Technology *

Haward Technology Middle East

Continuing Professional Development (HTME-CPD)

CEUs

CEU Official Transcript of Records

TOR Issuance Date: 14-Nov-21
HTME No. 3558-6717-5364-9527
Participant Name: Abdulsatar Al Otaibi

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE0102	Certificate in Environmental Management	10 Nov-14 Nov, 2021	30	3.0

Total No. of CEU's Earned as of TOR Issuance Date **3.0**

TRUE COPY

Maricel De Guzman
Academic Director

Haward Technology has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this approval, Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2013 Standard which is widely recognized as the standard of good practice internationally. As a result of their Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for programs that qualify under the ANSI/IACET 1-2013 Standard.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking Continuing Education Units (CEUs) in accordance with the rules & regulations of the International Association for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology is accredited by

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Certificate Accreditations

Certificates are accredited by the following international accreditation organizations:-

- 
The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology’s courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units (CEUs)** in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant’s involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant’s CEU and PDH Transcript of Records upon request.

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British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council for Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.





Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:



Mr. Andrew Ladwig is a **Senior Process & Mechanical Engineer** with over **25 years** of extensive experience within the **Oil & Gas, Refinery, Petrochemical & Power** industries. His expertise widely covers in the areas of **Ammonia Manufacturing & Process Troubleshooting, Distillation Towers, Fundamentals of Distillation** for Engineers, **Distillation** Operation and Troubleshooting, **Advanced Distillation** Troubleshooting, **Distillation** Technology, Vacuum **Distillation, Ammonia Storage & Loading** Systems, **Ammonia Plant** Operation, Troubleshooting & Optimization, **Ammonia Recovery, Ammonia Plant Safety, Hazard of Ammonia Handling, Storage & Shipping, Operational Excellence in Ammonia Plants, Fertilizer Storage** Management (Ammonia & Urea), **Fertilizer Manufacturing** Process Technology, **Sulphur Recovery, Phenol Recovery & Extraction, Wax Sweating & Blending, Petrochemical & Fertilizer Plants, Nitrogen Fertilizer** Production, **Petroleum Industry Process Engineering, Separators in Oil & Gas Industry, Gas Testing & Energy Isolations, Gas Liquor Separation, Industrial Liquid Mixing, Wax Bleachers, Extractors, Fractionation, Operation & Control of Distillation, Process of Crude ATM & Vacuum Distillation Unit, Water Purification, Steam & Electricity, Flame Arrestors, Coal Processing, Environmental Emission Control, R&D of Wax Blending, Wax Molding/Slabbing, Industrial Drying, Principles, Selection & Design, Certified Process Plant Operations, Control & Troubleshooting, Operator Responsibilities, Storage Tanks Operations & Measurements, Process Plant Troubleshooting & Engineering Problem Solving, Process Plant Performance, Efficiency & Optimization, Continuous Improvement & Benchmarking, Process Troubleshooting Techniques, Oil & Gas Operation/Introduction to Surface Facilities, Pressure Vessel Operation, Process Equipment Performance & Troubleshooting, Plant Startup & Shutdown, Startup & Shutdown the Plant While Handling Abnormal Conditions, Process Gas Plant Start-up, Commissioning & Problem Solving, Process Liquid, Process Handling & Measuring Equipment, Steam Trap Design, Operation, Maintenance & Troubleshooting, Steam Trapping & Control, Column, Pump & Exchangers, Troubleshooting & Design, Rotating Equipment Operation & Troubleshooting, Control & ESD System, Root Cause Analysis (RCA), Dangerous Goods, Production Optimization, Permit to Work (PTW), Project Engineering, Data Analysis, HAZOP Study, Sampling & Analysis, Job Analysis Techniques, Hazardous Material Classification & Storage/Disposal, Risk Monitoring Authorized Gas Tester (AGT), Confined Space Entry (CSE), Process Hazard Analysis (PHA), Personal Protective Equipment (PPE), Fire & Gas, First Aid and Occupational Health & Safety.**

During his career life, Mr. Ladwig has gained his practical experience through his various significant positions and dedication as the **Mechanical Engineer, Project Engineer, Reliability & Maintenance Engineer, Maintenance Support Engineer, Process Engineer, HSE Supervisor, Warehouse Manager, Quality Manager, Business Analyst, Senior Process Controller, Process Controller, Safety Officer, Mechanical Technician, Senior Lecturer** and **Senior Consultant/Trainer** for various companies such as the Sasol Ltd., Sasol Wax, Sasol Synfuels, just to name a few.

Mr. Ladwig has a **Bachelor's** degree in **Chemical Engineering** and a **Diploma in Mechanical Engineering**. Further, he is a **Certified Instructor/Trainer, a Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management (ILM)** and has delivered various trainings, workshops, seminars, courses and conferences internationally.





Course Program

The following program is planned for this course. However, the course instructor may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 - 0800	<i>Registration & Coffee</i>
0800 - 0815	<i>Welcome & Introduction</i>
0815 - 0830	PRE-TEST
0830 - 0930	<i>Environmental Sustainability</i>
0930 - 0945	<i>Break</i>
0945 - 1100	<i>Earth's Natural Systems</i>
1100 - 1215	<i>Business & Environment</i>
1215 - 1230	<i>Break</i>
1230 - 1330	<i>Effects of Releases</i>
1330 - 1420	<i>Towards Sustainability</i>
1420 - 1430	Recap
1430	<i>Lunch & End of Day One</i>

Day 2

0730 - 0930	<i>Environmental Legislation</i>
0930 - 0945	<i>Break</i>
0945 - 1100	<i>Instruments for Change</i>
1100 - 1215	<i>Controls on Emissions to the Atmosphere</i>
1215 - 1230	<i>Break</i>
1230 - 1330	<i>Controls on the Management of Contained Waste</i>
1330 - 1420	<i>Controls on Discharges to the Water Environment</i>
1420 - 1430	Recap
1430	<i>Lunch & End of Day Two</i>

Day 3

0730 - 0930	<i>Issues Relating to Contaminated Land</i>
0930 - 0945	<i>Break</i>
0945 - 1100	<i>Nuisance</i>
1100 - 1215	<i>Producer Responsibility</i>
1215 - 1230	<i>Break</i>
1230 - 1420	<i>Other Relevant Legislation</i>
1420 - 1430	Recap
1430	<i>Lunch & End of Day Three</i>

Day 4

0730 - 0830	<i>Assessment, Interpretation & Management of Environmental Performance</i>
0830 - 0930	<i>Identification & Assessment of Environmental Impacts</i>
0930 - 0945	<i>Break</i>
0945 - 1100	<i>Environmental Management Systems (EMS)</i>
1100 - 1215	Monitoring





1215 - 1230	Break
1230 - 1330	Environmental Audit
1330 - 1420	Life Cycle Analysis
1420 - 1430	Recap
1430	Lunch & End of Day Four

Day 5

0730 - 0830	Environmental Impact Assessment
0830 - 0930	Strategic Environmental Assessment (SEA)
0930 - 0945	Break
0945 - 1100	Environmental Risk Assessment
1100 - 1230	Pollution Prevention and Control
1230 - 1245	Break
1245 - 1315	Environmental Communication
1315 - 1415	COMPETENCY EXAM
1415 -1430	Presentation of Course Certificates
1430	Lunch & End of Course

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-



Course Coordinator

Jaryl Castillo, Tel: +974 4423 1327, Email: jaryl@haward.org