



COURSE OVERVIEW HE2109 **Occupational Health Risk Registration**

Course Title

Occupational Health Risk Registration

Course Date/Venue

August 23-27, 2026/Sales Lounge at Lobby Floor, JS Luwansa Hotel and Convention Center, Jakarta, Indonesia

Course Reference

HE2109

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs

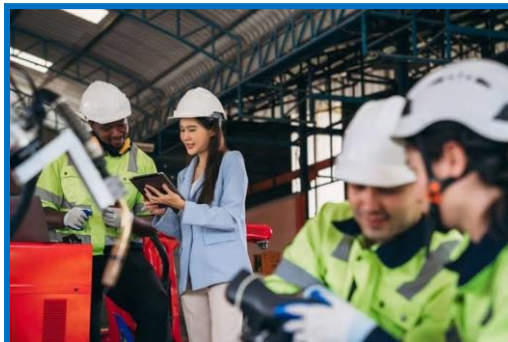


Course Description



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 Occupational Health Risk Registration. It covers the occupational health risk management, occupational health hazards and legal and regulatory requirements; the occupational health risk assessment process and occupational health risk register fundamentals; the roles and responsibilities in risk registration and workplace health hazard identification techniques; and the exposure assessment methods and chemical health risk registration.



Further, the course will also discuss the physical and environmental health risks and biological and ergonomic risk registration; the psychosocial risk identification, building an occupational health risk register and risk evaluation and prioritization; the control measures documentation and recording occupational health surveillance; the digital occupational health risk registers and reviewing and updating procedures; and the occupational health controls and occupational health monitoring programs.



During this interactive course, participants will learn the incident investigation, health risk updates, performance measurement and KPIs; auditing of occupational health risk registers; the occupational health risk management systems and emerging occupational health risks; and the emergency preparedness for health hazards and best practices in occupational health risk registration.

Course Objectives/Outcomes & Benefits for the Participants

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

- Apply and gain an in-depth knowledge on occupational health risk registration
- Discuss occupational health risk management, occupational health hazards and legal and regulatory requirements
- Recognize occupational health risk assessment process and occupational health risk register fundamentals
- Identify the roles and responsibilities in risk registration and apply workplace health hazard identification techniques
- Carryout exposure assessment methods and discuss chemical health risk registration
- Describe physical and environmental health risks and apply biological and ergonomic risk registration
- Carryout psychosocial risk identification, building an occupational health risk register and risk evaluation and prioritization
- Employ control measures documentation and recording occupational health surveillance
- Discuss digital occupational health risk registers and review and update procedures
- Implement occupational health controls and develop occupational health monitoring programs
- Apply incident investigation and health risk updates as well as performance measurement and KPIs
- Audit occupational health risk registers and recognize occupational health risk management systems
- Discuss the emerging occupational health risks and apply emergency preparedness for health hazards and best practices in occupational health risk registration

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 provides an overview of all significant aspects and considerations of occupational health risk registration for HSE professionals, managers, safety engineers and safety officers, supervisors, health risk assessment specialists and other technical staff.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures
- 20% Practical Workshops & Work Presentations
- 30% Hands-on Practical Exercises & Case Studies
- 20% Simulators (Hardware & Software) & Videos

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

Learning Design & Customization

This course can be customized to the exact requirements of clients. Haward Technology is so proud of our huge capabilities in tailoring our courses to the training needs of our valued clients.

Course Fee

US\$ 7,000 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Accommodation

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

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations

Haward's certificates are accredited by the following international accreditation organizations: -

-  British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). 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.

-  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.

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 & Safety Engineer** with over **25 years** of extensive experience within the **Oil & Gas, Refinery, Petrochemical & Power** industries. His expertise widely covers in the areas of **PHA, HAZOP, HAZCOM, HAZMAT, HAZID, Behavior Based Safety, Hazardous Materials & Chemicals Handling, Pollution Control, Environment, Health & Safety Management, Process Risk Analysis, Hazard & Risk Assessment, Emergency Response Procedures Behavioural Based Safety (BBS), Confined Space Entry, Fall Protection, Emergency Response, H₂S, Safety Management System (ISO 45001), Accident/Incident Investigation System and Report PSM, Risk Assessment, SCE FMEA Failure Investigations, Site Management Safety Training (SMSTS), Occupational Health & Safety and Industrial Hygiene, Crisis Management & Damage Control in Oil & Gas Industry, Enhancing HSSE Safety Performance & Effectiveness, Overhead & Gantry Crane Safety, HSSE Principles & Practices Advanced, HAZOP Study, Sampling & Analysis, Training Analysis, Job Analysis Techniques, Storage & Handling of Toxic Chemicals & Hazardous Materials, Hazardous Material Classification & Storage/Disposal, Dangerous Goods, Environmental Management System (EMS). Further, he is also well-versed in **Ammonia Manufacturing & Process Troubleshooting, 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 and Coal Processing, Environmental Emission Control.****

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(s) may modify this program before or during the workshop for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1: Sunday, 23rd of August 2026

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	PRE-TEST
0830 – 0930	Introduction to Occupational Health Risk Management Principles of Occupational Health and Workplace Wellbeing • Objectives of Occupational Health Risk Registration • Relationship Between Hazard Identification and Risk Registers • Benefits of Proactive Occupational Health Management
0930 – 0945	Break
0945 – 1030	Occupational Health Hazards Physical Health Hazards • Chemical Health Hazards • Biological Health Hazards • Ergonomic and Psychosocial Hazards
1030 – 1130	Legal & Regulatory Requirements International Occupational Health Standards (ISO 45001, ILO) • National Occupational Health Regulations • Employer and Employee Responsibilities • Regulatory Reporting Requirements
1130 – 1215	Occupational Health Risk Assessment Process Hazard Identification Techniques • Exposure Assessment Methods • Risk Evaluation Principles • Prioritization of Occupational Health Risks
1215 – 1230	Break
1230 – 1330	Occupational Health Risk Register Fundamentals Purpose and Structure of a Risk Register • Essential Data Fields and Documentation • Risk Classification and Coding Systems • Maintaining Accurate Records
1330 – 1420	Roles & Responsibilities in Risk Registration Responsibilities of Management • Occupational Health Professionals' Roles • Employee Participation in Reporting • Contractor and Visitor Responsibilities
1420 – 1430	Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1430	Lunch & End of Day One

Day 2: Monday, 24th of August 2026

0730 – 0830	Workplace Health Hazard Identification Techniques Workplace Inspections • Job Hazard Analysis (JHA) • Process Hazard Reviews • Worker Interviews and Observations
0830 – 0930	Exposure Assessment Methods Air Monitoring Techniques • Noise and Vibration Measurements • Heat Stress Assessments • Biological Monitoring Methods
0930 – 0945	Break
0945 – 1100	Chemical Health Risk Registration Hazardous Substance Inventories • Safety Data Sheet (SDS) Utilization • Occupational Exposure Limits (OELs) • Chemical Exposure Documentation

1100 – 1215	Physical & Environmental Health Risks Noise Exposure Registration • Radiation Exposure Records • Illumination and Thermal Stress • Indoor Air Quality Monitoring
1215 – 1230	Break
1230 – 1330	Biological & Ergonomic Risk Registration Infectious Disease Exposure • Bloodborne Pathogen Risks • Manual Handling Assessments • Workstation Ergonomic Evaluations
1330 – 1420	Psychosocial Risk Identification Workplace Stress Factors • Fatigue Management Risks • Violence and Harassment Indicators • Mental Health Risk Documentation
1420 – 1430	Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1430	Lunch & End of Day Two

Day 3: Tuesday, 25th of August 2026

0730 – 0830	Building an Occupational Health Risk Register Defining Register Objectives • Risk Categorization Methods • Register Templates and Formats • Assigning Risk Ownership
0830 – 0930	Risk Evaluation & Prioritization Likelihood Assessment • Consequence Assessment • Risk Matrix Application • Determining Risk Levels
0930 – 0945	Break
0945 – 1100	Control Measures Documentation Elimination and Substitution Controls • Engineering Controls • Administrative Controls • Personal Protective Equipment (PPE)
1100 – 1215	Recording Occupational Health Surveillance Medical Surveillance Records • Health Screening Programs • Exposure History Tracking • Confidentiality Requirements
1215 – 1230	Break
1230 – 1330	Digital Occupational Health Risk Registers Electronic Risk Register Systems • Database Management Principles • Data Security and Confidentiality • Integration with EHS Management Systems
1330 – 1420	Review & Updating Procedures Periodic Register Reviews • Trigger Events for Updates • Lessons Learned Integration • Continuous Improvement Practices
1420 – 1430	Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1430	Lunch & End of Day Three

Day 4: Wednesday, 26th of August 2026

0730 – 0830	Implementing Occupational Health Controls Selecting Appropriate Controls • Control Implementation Planning • Resource Allocation • Monitoring Implementation Effectiveness
0830 – 0930	Occupational Health Monitoring Programs Exposure Monitoring Schedules • Workplace Environmental Monitoring • Health Surveillance Planning • Monitoring Documentation
0930 – 0945	Break

0945 – 1100	Incident Investigation & Health Risk Updates Occupational Illness Investigations • Near-Miss Health Events • Root Cause Analysis • Updating the Risk Register
1100 – 1215	Performance Measurement & KPIs Occupational Health Performance Indicators • Leading and Lagging Indicators • Trend Analysis • Management Reporting
1215 – 1230	Break
1230 – 1330	Auditing Occupational Health Risk Registers Internal Audit Requirements • Compliance Verification • Documentation Review • Corrective Action Tracking
1330 – 1420	Communication & Consultation Worker Awareness Programs • Toolbox Talks • Health Risk Communication Strategies • Stakeholder Engagement
1420 – 1430	Recap Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow
1430	Lunch & End of Day Four

Day 5: Thursday, 27th of August 2026

0730 – 0830	Occupational Health Risk Management Systems Integration with ISO 45001 • Risk-Based Thinking • Occupational Health Governance • Management Review Processes
0830 – 0930	Emerging Occupational Health Risks Nanomaterial Exposure • Remote and Hybrid Work Health Risks • New Industrial Technologies • Climate-Related Occupational Health Risks
0930 – 0945	Break
0945 – 1100	Emergency Preparedness for Health Hazards Chemical Exposure Emergencies • Biological Incident Response • Medical Emergency Planning • Occupational Health Continuity Planning
1100 – 1230	Case Studies & Practical Workshops Developing a Health Risk Register • Evaluating Workplace Exposure Scenarios • Risk Ranking Exercises • Register Review Simulations
1230 – 1245	Break
1245 – 1345	Best Practices in Occupational Health Risk Registration Benchmarking Against Industry Leaders • Lessons Learned from Major Incidents • Common Registration Errors and Prevention • Sustaining an Effective Risk Register
1345 – 1400	Course Conclusion Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course
1400 – 1415	POST-TEST
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

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