MERCURY

Occupational Health and Security Mastery Course

3 – 14 May 2027
Geneva (Switzerland)

Dubai - UAE: +971 4 450 5697
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Occupational Health and Security Mastery Course

Ref: 121357_1080180 **Date:** 3 – 14 May 2027 **Location:** Geneva (Switzerland) **Fees:** 11000 Euro

Introduction

The Occupational Health and Security Mastery course provides participants with a comprehensive understanding of workplace health, safety, and security management systems across diverse industries. The course addresses the growing need for qualified professionals who can identify hazards, manage occupational risks, and ensure compliance with health and safety regulations. It explores both preventive and corrective approaches to occupational health and security, emphasizing structured analysis and professional responsibility. Participants will gain theoretical insights into safety leadership, hazard control, and incident prevention strategies. The program integrates international standards and best practices to support organizational sustainability and protect the workforce. It serves as a foundational and progressive learning pathway for professionals aiming to enhance workplace safety culture and operational resilience.

Targeted Groups

This Occupational Health and Security Mastery training targets professionals seeking knowledge and skills:

- Occupational health and safety officers in industrial sectors.
- Security supervisors are responsible for workplace protection.
- Facility and operations managers oversee employee safety.
- Engineers are involved in site safety planning.
- Human resources professionals handle health policies.
- Compliance and risk management officers.
- Supervisors with safety oversight responsibilities.
- Professionals transitioning into occupational health roles.

Course Objectives

Participants will achieve the following objectives by completing the Occupational Health and Security Mastery course:

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- Understand core principles of occupational health management.
- Analyze workplace hazards using structured assessment methods.
- Apply safety legislation and regulatory frameworks correctly.
- Interpret international occupational health standards effectively.
- Identify physical, chemical, and biological workplace risks.
- Evaluate security threats within organizational environments.
- Design preventive safety and security control measures.
- Strengthen incident investigation and reporting practices.
- Enhance emergency preparedness and response planning.
- Promote a proactive safety culture within organizations.
- Integrate health, safety, and security into operations.
- Support continuous improvement in safety performance.

Targeted Competencies

Participants will gain the following competencies during the Occupational Health and Security Mastery program:

- Professional hazard identification and classification skills.
- Risk evaluation and prioritization competence.
- Knowledge of occupational health regulations and compliance.
- Ability to interpret safety policies and procedures.
- Competence in workplace security risk analysis.
- Incident analysis and root cause evaluation skills.
- Emergency response planning awareness.
- Safety communication and reporting capabilities.
- Ethical decision-making in health and security contexts.
- Continuous safety improvement mindset.

Studying Scenarios

In this Occupational Health and Security Mastery training, participants develop skills through the following scenarios:

- Analyzing accident reports from industrial workplaces.
- Assessing safety risks in manufacturing environments.
- Reviewing security breaches in corporate facilities.
- Evaluating emergency response failures and successes.
- Interpreting occupational health inspection findings.
- Managing contractor safety compliance cases.
- Investigating near-miss incidents for prevention.

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Course Content

Unit 1: Fundamentals of Occupational Health and Security

- Concepts and scope of occupational health systems.
- Principles of workplace safety and security management.
- Roles and responsibilities of safety professionals.
- Relationship between health, safety, and productivity.
- Overview of occupational health hazards.
- Introduction to workplace security concepts.

Unit 2: Occupational Health Hazards and Risk Factors

- Physical hazards in the work environment.
- Chemical exposure and health implications.
- Biological risks and disease prevention.
- Ergonomic risk factors and musculoskeletal disorders.
- Psychosocial hazards and workplace stress.
- Methods for hazard identification.

Unit 3: Risk Assessment and Risk Control

- Principles of occupational risk assessment.
- Qualitative and quantitative risk analysis methods.
- Risk evaluation and prioritization techniques.
- Hierarchy of hazard control measures.
- Preventive and corrective action planning.
- Monitoring and reviewing risk controls.

Unit 4: Occupational Health Legislation and Compliance

- Structure of occupational health laws.
- Employer and employee legal obligations.
- Regulatory enforcement mechanisms.
- International occupational health standards.
- Compliance auditing and inspections.
- Legal consequences of non-compliance.

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Unit 5: Workplace Security Management

- Fundamentals of organizational security management.
- Threat identification and vulnerability assessment.
- Access control and physical security measures.
- Information and asset protection principles.
- Security policies and procedural controls.
- Integration of security with safety systems.

Unit 6: Incident Management and Investigation

- Types of workplace incidents and accidents.
- Incident reporting systems and documentation.
- Investigation techniques and methodologies.
- Root cause analysis principles.
- Corrective and preventive action development.
- Learning from incidents for prevention.

Unit 7: Emergency Preparedness and Response

- Emergency risk identification and analysis.
- Development of emergency response plans.
- Fire safety and evacuation planning.
- Medical emergency response principles.
- Coordination with external emergency services.
- Evaluation of emergency preparedness effectiveness.

Unit 8: Occupational Health Programs and Monitoring

- Health surveillance and monitoring systems.
- Workplace health promotion programs.
- Exposure monitoring and measurement methods.
- Record keeping and data analysis.
- Evaluation of occupational health performance.
- Continuous improvement strategies.

Unit 9: Safety Culture and Leadership

- Concepts of safety culture development.
- Leadership roles in occupational health and security.
- Behavioral safety principles.
- Communication and safety awareness strategies.
- Employee engagement in safety initiatives.
- Measuring safety culture maturity.

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Unit 10: Integrated Health, Safety, and Security Systems

- Management system frameworks and models.
- Integration of health, safety, and security policies.
- Performance indicators and metrics.
- Internal audits and management reviews.
- Continuous improvement and sustainability.
- Strategic planning for occupational health excellence.

Final Insights & Key Takeaways

This course equips professionals with structured knowledge to effectively manage and master occupational health and security risks across various work environments. Participants gain a solid theoretical foundation that supports compliance, prevention, and continuous improvement in workplace safety and security performance.