MERCURY

# PPE Awareness and Use

25 – 29 July 2027
Cairo (Egypt)



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**Ref:** 16295_1084785 **Date:** 25 – 29 July 2027 **Location:** Cairo (Egypt) **Fees:** 3500 Euro

## Introduction:

Personal Protective Equipment PPE plays a critical role in ensuring workplace safety and minimizing exposure to hazards. The PPE Awareness and Use course provides an in-depth understanding of PPE types, selection criteria, proper usage, and maintenance practices. It equips participants with essential knowledge to comply with workplace safety regulations and industry best practices.

The PPE Awareness and Use training also emphasizes the responsibilities of employers and employees in creating a safety-focused culture. It equips professionals to address real-world challenges. It fosters proactive safety awareness and operational excellence. Participants will gain insight into risk assessment techniques and learn how to match PPE to specific hazards effectively.

## Targeted Groups:

This PPE Awareness and Use training targets professionals seeking specialized knowledge and skills:

- Safety officers in industrial sectors.
- Construction site supervisors and workers.
- Manufacturing and logistics personnel.
- Oil and gas field technicians.
- Chemical plant operators and safety teams.
- Healthcare and laboratory workers.
- Facility and maintenance managers.
- Supervisors are responsible for occupational safety compliance.
- HR and training managers focus on workplace safety.

## Course Objectives:

Participants will achieve the following objectives by completing the PPE Awareness and Use course:

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- Identify workplace hazards requiring PPE effectively.
- Understand regulatory standards and employer obligations.
- Select appropriate PPE for different job roles and risks.
- Demonstrate correct PPE usage and limitations.
- Analyze real-world case studies for preventive strategies.
- Apply inspection and maintenance protocols systematically.
- Assess compliance gaps and suggest corrective measures.
- Develop workplace PPE awareness initiatives.
- Develop effective PPE policies that align with your safety culture.
- Improve incident reporting and risk communication skills.
- Evaluate hazard control hierarchy and PPE integration.
- Enhance decision-making for emergency PPE requirements.
- Develop skills to train peers on best practices in PPE.
- Integrate PPE usage with other safety programs.
- Demonstrate accountability in safety leadership roles.
- Apply knowledge to reduce accident frequency and severity.

## Targeted Competencies:

Participants will gain the following competencies during the PPE Awareness and Use program:

- Hazard recognition and PPE risk assessment.
- Knowledge of industry safety regulations and compliance.
- Selection and fitting of suitable PPE.
- Correct donning and doffing procedures.
- Effective PPE inspection and maintenance skills.
- Risk communication and safety culture promotion.
- Analytical skills for safety performance improvement.
- Incident investigation and reporting competence.
- Emergency preparedness and PPE response planning.

## Studying Scenarios:

In this PPE Awareness and Use training, participants will develop their skills through the analysis of the following scenarios:

- Examining PPE failures leading to workplace injuries.
- Evaluating PPE usage gaps in a construction project.
- Identifying risks in chemical handling operations.
- Analyzing proper PPE protocols in confined spaces.
- Reviewing PPE compliance during emergency evacuations.
- Assessing PPE misuse in manufacturing facilities.
- Comparing PPE requirements across different industries.
- Designing improved PPE procedures for high-risk tasks.
- Learning from case studies of regulatory non-compliance.

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## Course Content:

### Unit 1: Introduction to PPE and Workplace Safety:

- Definition and purpose of PPE.
- The role of PPE in workplace safety programs.
- Types of hazards necessitating PPE.
- Legal and regulatory frameworks for PPE compliance.
- Employer and Employee Responsibilities for PPE Usage.
- Overview of safety culture and hazard hierarchy.
- International and regional PPE standards.
- The impact of PPE on reducing occupational injuries.
- Importance of training and supervision in PPE programs.

### Unit 2: Types of PPE and Selection Criteria:

- Categories of PPE and their applications.
- Head, eye, and face protection requirements.
- Hearing protection devices and proper usage.
- Types of Respiratory Protective Equipment and Fit Testing.
- Hand and arm protection for mechanical and chemical risks.
- Body protection, including clothing and aprons.
- Foot and leg protection against impact and electrical hazards.
- Fall protection systems and harnesses.
- Selection factors based on hazard assessment.

### Unit 3: Proper Use and Limitations of PPE:

- Donning and doffing procedures for each type of PPE.
- Common PPE misuse and prevention methods.
- Ensuring proper fit and comfort for PPE users.
- Limitations and failure points of PPE.
- Integrating PPE with other safety measures.
- Communication protocols while using PPE.
- Case studies on the consequences of improper PPE use.
- Strategies to improve PPE compliance rates.
- Addressing worker resistance to PPE usage.

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### Unit 4: Inspection, Maintenance, and Storage of PPE:

- Regular PPE inspection schedules and checklists.
- Identifying defects and damage in PPE.
- Cleaning and decontamination procedures.
- Proper PPE storage and handling practices.
- Record-keeping for PPE maintenance.
- Manufacturer guidelines and replacement schedules.
- Auditing PPE programs for effectiveness.
- Training employees on the care and maintenance of PPE.
- Linking PPE maintenance to incident prevention.

### Unit 5: Risk Assessment, Emergency Response, and Program Improvement:

- Conducting PPE-related risk assessments.
- Implementing PPE in emergency response planning.
- Developing PPE training programs for staff.
- Incident investigation and root cause analysis.
- Corrective and preventive action plans for PPE gaps.
- Metrics for evaluating PPE program effectiveness.
- Coordination between departments for safety goals.
- Continuous improvement strategies for PPE programs.
- Promoting a proactive PPE safety culture.

## Final Insights & Key Takeaways:

The PPE Awareness and Use course empowers participants to create safer workplaces by imparting knowledge and promoting the application of PPE best practices. It combines theoretical understanding with practical case-based learning for maximum impact. The program supports compliance, hazard mitigation, and operational excellence. Participants will lead and effectively promote safety programs.