

Hazard Identification and Risk Assessment

Introduction			
The main focus of the learning in this knowledge module is to build an understanding of the key quality and safety issues that impact on the productivity of employees. The learning includes the key issues relevant to the procedural and legal aspects required to monitor work progress and the use of equipment and instruments.			SAIOSH – 5 CPD Credits
QCTO Aligned Knowledge Module /Topic	KM-01-KT01 KM-01-KT02 KM-01-KT03 KM-01-KT04 KM-01-KT05 KM-01-KT06 KM-01-KT07 KM-01-KT08 KM-01-KT09	Certification	If competent a certificate will be issued.
Target group:	<ul style="list-style-type: none"> ➤ Management, Supervisors, Team Leaders ➤ SHE Officers ➤ SHE Auditors ➤ SHEQ Committee Members / Chairperson ➤ Nominated and Appointed SHE Representatives ➤ Employees 	Entry Level Requirements:	Relevant work experience or an appropriate NQF level 4 qualification. (The technical work content is not covered in this programme). Learners need to acquire the required technical skills, knowledge and experience through gaining work experience or qualifications in related technical occupations. Each industry will prescribe the technical requirements relevant to that industry

Course Outline

The principles of hazards identification and risks assessment

- Practical examples to explain what a hazard is & how hazards relate to risks
- The concept of priority setting and relate it to the process of hazard and risk rating

Principles, concepts and processes of hazard identification, risk assessment and control

- The process of hazard identification and risk assessment
- Explain the difference and interrelationship between hazards and risks

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- Describe what is meant by controls
- Explain the legal requirements regarding hazard identification and risk assessment

Concepts and principles of cause and effect analysis and how this applies to occupational hazard identification and risk assessment and incident and accident investigation

- Define what is meant by cause and effect and give examples of how this applies to hazard identification, risk assessment and accident/incident investigation
- Explain how a cause and effect analysis works and how it applies to risk assessment, hazard identification and incident/accident investigation.
- Explain what is meant by preventative, corrective and contingency actions and give examples of how this is applied in hazard identification, risk assessment and accident/incident investigations.

Principles, concepts and processes of hazard identification, risk assessment and control

- The concept of risk management
- Ways to counter ineffective risk management
- Integrated risk management systems
- Cross impact analysis
- Approach (step-by-step guide)
- Mitigation and control of risks
- Risk assessment techniques