

Principles of Occupational Hygiene Measuring			
Introduction			
On completion of this programme learners will be able to understand principles of occupational hygiene measuring instruments and the interpretation of the readings in terms of the threshold limits of such measurements.			SAIOSH – 2 CPD Credits
QCTO Aligned Knowledge Module /Topic	KM-03-KT03 KM-04-KT05	Certification	If competent a certificate will be issued.
Target group:	<ul style="list-style-type: none"> ➤ Management, Supervisors, Team Leaders ➤ SHE Officers ➤ SHEQ Committee Members, Chairperson ➤ Nominated and Appointed S Representatives ➤ Employees 	Entry Level Requirements:	Relevant work experience or an appropriate 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

Principles of occupational hygiene measuring instruments and the interpretation of the readings in terms of the threshold limits of such measurements

- Potential occupational health hazards and routes of entry into the body;
- The typical occupational hygiene measurements that is taken within industry;
- The instruments that are used to take typical occupational hygiene measurements with regards to:
 - a. Airborne pollutants; b. Biological agents; c. Dermal exposure and surface contamination; d. Physical agents; e. Ergonomics; f. Air velocity and pressure; g. Water quality; h. Chemical agents; etc
- Where the threshold limits for the various occupational hygiene measurements can be obtained. a. Legal requirements; b. Roles of the various stakeholders in determining the levels; c. Role of safety representatives and employees in ensuring that they work in safe and healthy environments.
- Build listening skills

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Concepts and principles of interpreting and using occupational hygiene survey results.

- Describe the various Occupational Hygiene Monitoring techniques. RANGE: a. Thermal stress; b. Airborne pollutants; c. Noise; d. Vibrations; e. Radiation.
- Identify the relevant monitoring techniques to use depending on the different routes of entry
- Interpret the results, in terms of Exposure Limits, of various Occupational Hygiene Measurements and indicate actions to deal with unacceptable results. RANGE: a. Occupational Exposure Limit, Time Weighted Average, Short Term Exposure Limits, Ceiling Limit.
- Describing the different Occupational Hygiene Exposure limits. RANGE: Occupational Exposure Limit, Time Weighted Average, Short Term Exposure Limits, Ceiling Limit

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