

Knowledge acquired during the course will be tested through a written test.

It is suggested to give students two hours to complete the test and one hour to collectively discuss the answers.

Module 1

1. Define the concept of risk
 - **Risk is the effect of uncertainty. The effect is a deviation from the expected, positive or negative. Uncertainty is given by deficiency of information related to an event its consequences or likelihood.**
 - Risk is the possibility of a harmful event of serious or medium impact occurring.
 - Risk is the likelihood that a harmful, minor impact event will occur.
2. What is the context
 - The context is the socio, economic and historic environment where the company operates.
 - **The context is the external or internal environment in which the organization (a company, a group, an entity..) defines and reaches its goals.**
 - The context is the environment in which the company operates which has no influence in the risk assessment process.
3. The main principles of risk management are to:
 - Be coherent-complete-adaptive-inclusive-static.
 - Collect primary information and then ask an external professional to complete the evaluation.
 - **Be integrated, structured and complete-customized-inclusive-dynamic; Have the best available information, human and cultural factors; Pursue a continual improvement.**

Module 2

1. PDCA (plan-do-check-act) is applied to:
 - **Risk management.**
 - Risk identification.
 - Risk evaluation.
2. How are the techniques for risk evaluation classified?



- Based on the previous risk evaluation models contained in ISO 31010.
 - **Based on how they are applied in each phase of risk evaluation: Identification, Analysis, Evaluation.**
 - Based on external audit and evaluation agencies.
3. Which are the goals of Reporting:
- **Communicate the activity and the results, Provide information for the decisional process, Improve the risk management activity, Aid the interaction between different parties, included those that are responsible for the risk management itself.**
 - Communicate the activity and the results, Create a model for other companies and partners to follow, acquire incentives from the reference bodies.
 - Spread the activities results within the board of directors.

Module 3

1. What year is the latest version of the standard ISO45001:
 - 2004
 - **2018**
 - 2017
2. The application of ISO45001 is based on the following 3 operational tools:
 - Identification-management-evaluation.
 - Process based approach, audit and evaluation process, PDCA.
 - **Process based approach, The PDCA, The health and safety risk management.**
3. The Context concept envisaged by the new ISO45001 standard:
 - **consists of understanding the organization and its external and internal factors connected to its business activities that might influence the organization's ability of reaching expected results in terms of OHS; understanding the need and expectations of workers and other stakeholders.**
 - involves all strategic context dimensions for the organization (environmental, social, regulatory, technological, competitive and market, organizational, etc.).
 - coincides with the territorial organization of the organization to be carried out in the initial environmental analysis phase, in order to assess the significant environmental aspects and impacts.

Module 4

1. The ISO45001 certification process of an organization necessarily involves the following steps:
 - Drafting of an Initial Environmental Analysis, Drafting of an Environmental Policy, Drafting of an Environmental Program, Implementation of an Environmental Management System compliant with the standard.
 - **Carrying out the activities of: Learning, Perform Gap Analysis & Initial OH&Review and Risk Analysis, Plan, Educate the organization, Design & Document, Use & Improve OHSMS, Audit the OH&S Performance, Achieve Registration.**
 - Drafting of an Environmental Policy, Drafting of an Environmental Program, Drafting of a Report on the environmental performance of the organization.
2. Third party audits are:
 - Dependent internal audits with the objective of certificate the SSL technical area.
 - **Independent impartial audits with the objective to assess the level of conformity of a management system to certain audit criteria.**
 - Independent impartial audits with the objective of evaluating the internal 1 phase internal audit.
3. Third party audits are used to:
 - **Access the degree of conformity to International Standards (ISO).**
 - Access the degree of coherence to International Standards (ISO).
 - Access the degree of coherence and conformity to ISO45001.

Module 5

1. ISO 45001 in a new way:
 - Identifies and manage the risk and is efficient in the improvement of risk.
 - Provides indications on how to reduce and manage risk in the context of workers.
 - **Places the OH&S topic at top management level; thinks about the activity management; uses a process-based approach and the PDCA model; pursues a continual improvement.**