

ID	3493
Curricular Unit	Prevention Management
Regent	Rui Bettencourt Melo
Learning Outcomes	<p>This course intends to:</p> <ul style="list-style-type: none">- Include the management of Occupational Safety and Health (OSH) within the organizational management and present the framework of the National and European legislation;- Characterize the models of organization and operation of OSH services;- Define the principles underlying the OSH management function;- Describe the main requirements for implementing an OSH management system, as well as its basic structure;- Provide means for assessing the performance of any organization in terms of OSH.

Syllabus

1. Central Concepts of Prevention
 - 1.1. Work accident
 - 1.2. Occupational disease and related concepts
 - 1.3. Hazard and risk factor
 - 1.4. Risk
 - 1.5. Risk control
 - 1.6. Prevention
 - 1.7. Protection
2. Legal framework of OSH management
 - 2.1. Fundamental legal notions
 - 2.2. Framework directive and Law no. 3/2014, of January 28
 - 2.3. Prevention national/international network organizations
3. Risk management as a central element of the prevention management system
 - 3.1. ISO 31000 series
 - 3.2. Risk assessment
 - 3.2.1. Risk analysis
 - 3.2.2. Risk evaluation
 - 3.3. Risk control and underlying principles
 - 3.4. Ergonomics as an asset in risk management
4. Prevention management
 - 4.1. OSH and the strategic domains of the organization
 - 4.2. The economic dimension of OSH and Law no. 98/2009, of September 4
 - 4.3. OSH services organization and Law no. 3/2014, of January 28
 - 4.4. OSH human resources and Law no. 3/2014, of January 28
 - 4.5. The OSH management system
 - 4.5.1. Reasons for the implementation
 - 4.5.2. Expectable difficulties during the implementation
 - 4.5.3. Types of systems
 - 4.5.4. Implemented standards (OSHAS 18001/NP 4397 and ISO 45001)
 - 4.5.5. High-level structure
 - 4.5.6. New requirements and changed requirements
 - 4.5.7. OSH audits and NP EN ISO 19011:2012
 - 4.6. OSH performance indicators

Evaluation

1. Continuous process
 - i) students are required to do a group assignment within the OSHMS framework;
 - ii) a written test is also mandatory, and a minimum grade of 8.5 is required;
 - iii) the final grade is computed with those obtained in i) and ii), with weights of 40% and 60%, respectively;
 - iv) an optional oral test may be requested by students in order to increase the final grade (to ensure access to this test a minimum of 9.5 is required).
2. Final examination
 - i) a written exam, covering all topics from the syllabus, is mandatory and a minimum grade of 9.5 is required;
 - ii) an optional oral exam may be requested by students in order to improve the final grade (to ensure access to this exam a minimum of 9.5 is required).

Bibliography

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