QUALITY, HYGIENE AND SAFETY AT WORK

Code: 322154

Main Scientific Area: Quality, industrial management and safety

Lecturer: Ana Cristina Marques Conde

Language of Instruction: Portuguese

Regime: S1

Contact Hours: 30h Total Workload: 54h

ECTS: 3,0

Objectives

This curricular unit aims to train and qualify students in the areas of Quality, Environment, Safety Hygiene and Health at Work, namely in terms of national and community legislation, of the various standards 9001:2015; 140001:2015 and 45001:2019, as well the identification of hazards, risks and preventive measures to be implemented.

Learning Outcomes

This Curricular Unit must to develop skills in the following areas:
Mastering the generic concepts in the area of Quality, Environment,Healthand Safety and Health at Work.
Know environmental good practices that must be followed in companies.
Know the different risks agents of the jobs: physical, chemical and biological ...
Knowing implement preventive measures related to agents in the workplace.

Course Contents

Chapter 1 - Legal and normative framework of Quality, Environment and Safety

Normative framework: ISO 9001: 2015, ISO 14001: 2015 and ISO 45001: 2019
Legal references: brief approach
Audits and certification process

Chapter 2 - Environment

Sediment Classification
Sediment transportation

Chapter 3 - Safety, Hygiene and Health at work

Work Hygiene: Noise, Illumination, radiation, chemical contaminants
Safety at work: machinery and tools, electricity, fires and explosions
Risk assessment

Recommended Bibliography

"Segurança e Saúde do Trabalho: Avaliação e Controlo de Riscos" - 2ª Edição; Roxo, M. (2004); Almedina

"Manual de Higiene e Segurança do Trabalho" ; Miguel, Alberto Sérgio (2014) S.R. ; Porto Editora

"Higiene, Segurança, Saúde e Prevenção de Acidentes de Trabalho"; Verlag Dashöfer; Vários

Learning and Teaching Methods

The syllabus of the course unit was designed to achieve the objectives proposed as follows:

1. Identify and apply general standards for Quality, Environment, safety and Health at Work as a means ofpreventionaccident - chapters 1, 2.

2 . Identify the pros and environmental risks related to the workplace and safety conditions on the performance of professional activity - Chapter 3.

Assessment Methods

The evaluation of the curricular unit will comprises:
2 Evaluations tests = 70%
Group work/presentation and exercises =30%

The minimum value in each assessment instrument is 8,5 values (on a scale of 0-20 values).

The student is approved when the final grade is higher or equal to 9,5 values.