

Course Unit -		Field of study -	
-		School School of Technology and Management	
Academic Year 2022/2023	Year of study 1	Level	ECTS credits 2.0
Type Semestral	Semester 1	Code 5063-749-1110-00-22	
Workload (hours) 54	Contact hours	T -	TP -
		PL -	TC -
		S -	E -
		OT -	O -

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) Maria da Conceição Constantino Fernandes

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

1. Identify and interpret requirements of the ISO 9001 standard
2. Understand the relationship of the structure and content of ISO 9001 with ISO 22000
3. Know the IFS and BRC standards

Prerequisites

Before the course unit the learner is expected to be able to:

1. Have general knowledge of microbiology and food chemistry
2. Know the basic principles of HACCP

Course contents

1. Structure and requirements of ISO 9001:2015
2. Structure and requirements of ISO 22000 and its relationship with ISO 9001
3. Other normative references such as BRC and IFS standards

Course contents (extended version)

1. ISO 9001:2015, PDCA Cycle, process approach, risk-based thinking.
 - Documentation, organizational context, leadership, planning, support, operationalization.
 - Performance evaluation, procedures, analysis and improvement, examples of compliance.
2. ISO 22000:2018, food safety at all stages of the chain, Good Manufacturing Practices.
 - The importance of prerequisites and the HACCP system.
 - Shared aspects to ISO 9001, planning and realization of products/services, system improvement.
 - Examples of 22000 requirements, identification of conformities/nonconformities.
3. Other regulations such as BRC and IFS standards, origin, application.
 - Differences with ISO 22000, key elements.

Recommended reading

1. NP EN ISO 9001: 2015 e NP EN ISO 22000: 2018-en
2. Site do Instituto Português da Qualidade - <https://www.ipq.pt/>
3. Site BRC GLOBAL STANDARD - <https://www.brcgs.com/>
4. Site IFS Standard - <https://www.ifs-certification.com/en/>

Teaching and learning methods

Masterclasses, theoretical practices of the themes developed. Bibliographic research for analysis, discussion and problem case resolution. Resources: Bibliography of the specialty, legislation, standardization of the sector. Datashow, ICT's, E-learning, intranet, Internet.

Assessment methods

- Final written exam - (Regular, Student Worker) (Final, Supplementary, Special)

Language of instruction

Portuguese

Electronic validation

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