COURSE DATA

DATA SUBJECT

Code: 46543
Name: Integrated Management Systems
Cycle: Master's Degree
ECTS Credits: 4
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
2260 - Master's degree in Quality Management	Facultat d'Economia	1	Annual

SUBJECT-MATTER

Degree	Subject-matter	Character
2260 - Master's degree in Quality Management	Sistemas de gestión	COMPULSORY

COORDINATION

GAUSI CAROT ISABEL

SUMMARY

The **Integrated Management Systems** subject is a fundamental part of the master's degree in quality management, providing students with an in-depth understanding of the integration of multiple management systems in an organizational environment.

In the current context, the business and organizational environment is constantly evolving, where the integration of management systems has become a prevailing need to guarantee the efficiency, sustainability and competitiveness of organizations.

The objective of the **Integrated Management Systems** subject is for the student to know the different management systems complementary to the quality system: environmental management, occupational health and safety, energy efficiency, and corporate social responsibility. In addition, in this subject students will develop the necessary skills to integrate these systems into a single management system. The sectoral perspective is incorporated into the contents.

Organizations face the need to comply with various international regulations and standards that cover areas such as quality, the environment, occupational health and safety, and corporate social responsibility. The integration of these systems is essential to improve operational efficiency, reduce costs and risks, and ensure regulatory compliance.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

There are no specified enrollment restrictions with other subjects of the curriculum.

OTHER REQUIREMENTS

No enrollment restrictions have been specified with other subjects in the curriculum.

COMPETENCES / LEARNING OUTCOMES

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Be able to communicate effectively both orally and in writing, adapting to the characteristics of the situation and the audience.

Collaborate effectively in work teams, assuming responsibilities and leadership roles and contributing to collective improvement and development.

Demonstrate critical and self-critical reasoning within the field of study, considering aspects such as professional ethics, moral values and the social implications of the different activities carried out.

Demonstrate knowledge and understanding of social inequalities based on sex and gender within this specific field of study; integrate the different needs and preferences based on sex and gender into the design of solutions and problem solving.

Design, implement and manage a quality management system in any type of organisation.

Identify non-conformities in organisational processes and implement a solution.

Know how to integrate quality systems with other complementary management systems.

Lead teams and empower them.

Learn autonomously, making informed decisions in different contexts, making judgements based on experimentation and analysis and transferring knowledge to new situations.

Make strategic, tactical or operational decisions in the field of quality management.

Plan and organise all activities related to quality management.

Promote commitment to quality in all departments and at all hierarchical levels of the organisation.

Propose creative and innovative solutions to complex situations or problems specific to the field of knowledge to respond to different professional and social needs.

Study the main ISO 9001 standards and reference models in quality management.

DESCRIPTION OF CONTENTS

1. Introduction to integrated management system

1. The management system
2. The importance of processes
3. Creating an integrated management system
4. The perspectives of integration
5. The minimum conditions for integration
6. The requirements of the standards
7. The integration project

2. Environmental Management System: ISO 14001

1. Environmental Management System: ISO 14001
2. Requirements Integration

3. Community Eco-management and Eco-audits system: EMAS Regulation

1. Community Eco-management and Eco-audits system: EMAS Regulation
2. Requirements Integration

4. Occupational health and safety management system: ISO 45001

1. Occupational health and safety management system: ISO 45001
2. Requirements integration

5. Energy Efficiency Management System: ISO 50001

Energy Efficiency Management System: ISO 50001

6. Asset Management System: ISO 55001

Asset Management System: ISO 55001

7. Risk Management System: ISO 31000

Risk Management System: ISO 31000

8. Integrated management systems

Integrated management systems

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Theory	40,00
Total hours	**40,00**

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	10,00
Individual or group project	20,00
Independent study and work	20,00
Preparation of lessons	10,00
Preparation for assessment activities	20,00
Resolution of case studies	20,00
Total hours	**100,00**

TEACHING METHODOLOGY

The development of the subject is structured in 8 sessions of 5 hours, combining theory and practice. The first part of the session will focus on the presentation of the corresponding regulations and the methodology for their integration with other regulations. The second part of the session will focus on the practical application of what has been learned in a business case. The practical part will be carried out in a teams.

In the last session, students will present the final project that will be part of the evaluation of the subject.

For the processing of information through the use of Generative Artificial Intelligence (GAI) tools, the following considerations must be taken into account:
¿ As a general rule, GAI tools may not be used to achieve the main objective of assessment activities
¿ Teachers will explicitly indicate under what conditions and for what type of activities the use of GAI is permitted or restricted.
¿ If the student uses any GAI tools, they must indicate this in the work submitted. They will include a footnote or an appendix containing the prompt used, its various modifications and a fragment of the most relevant text from the response.

EVALUATION

The evaluation of the learning of the subject will be carried out through a continuous assessment and an evaluation of theoretical knowledge.

The **continuous assessment** contemplates the participation and completion of work by the student. The student's continuous effort, his or her attendance at classes, his or her active participation in them, the completion of the necessary preliminary work for practical classes and the development of complementary activities will be considered.

The **evaluation of theoretical knowledge** will be carried out by a multiple-choice exam at the end of the subject.

The weighting of each of the parts in the final grade will be as follows

- 70% continuous evaluation
- 30% written test

Given the nature and configuration of the activities that make up the continuous assessment, it will not be recoverable.

REFERENCES

- AENOR (2015) UNE-ISO 55001:2015. Gestión de activos. Sistemas de gestión
- AENOR (2015) UNE-EN ISO 9001:2015. Sistemas de gestión ambiental.
- AENOR (2015) UNE-EN ISO 9001:2015. Sistemas de gestión de la calidad. AENOR (2018) UNE-ISO 31000:2018. Gestión del riesgo.
- AENOR (2018) UNE-EN ISO 50001:2018. Sistemas de gestión de la energía
- AENOR (2023) UNE-EN ISO 45001:2023. Sistemas de gestión de la seguridad y salud en el

trabajo.
- Pardo, Á., & Calso, M. (2018). Guía práctica para la integración de sistemas de gestión. ISO 9001, ISO 14001 e ISO 45001.
- REGLAMENTO (CE) Nº 1221/2009 DEL PARLAMENTO EUROPEO Y DEL CONSEJO DE 25 de noviembre de 2009 relativo a la participación voluntaria de organizaciones en un sistema comunitario de gestión y auditoría medioambientales (EMAS)