

**COURSE DATA****DATA SUBJECT**

Code: 43395
Name: Integrated management systems
Cycle: Master's Degree
ECTS Credits: 4
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
2154 - Master's degree in Quality Management	Facultat d'Economia	1	Second quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
2154 - Master's degree in Quality Management	Future trends in quality management	COMPULSORY

COORDINATION

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SUMMARY

The spectacular economic development experienced throughout the 20th century is linked to unprecedented environmental changes. In this framework, companies are one of the main protagonists of this reality and are faced with a clear and growing demand for sustainable development. Under this double scheme Sustainable Development and Corporate Social Responsibility, the integrated systems as a management tool. Some organizations committed to the dynamics of quality have begun the process towards environmental improvement. In addition, the two fields presented are linked to a third: prevention of occupational risks. The reason is simple; Failure in any of them can lead to significant economic and human losses. Thus, we present the management systems for these risks and the specific requirements applicable to occupational safety and health. Although what has been presented so far is the main body of the subject, we will take the opportunity to present new developments. In this context, the course Integrated Management Systems aims to serve as a means for the Master's students to learn about the latest trends in the field. In this way, the student will be able to identify and analyze the repercussions and the alternatives of behavior of the different management systems. Finally, in order to contextualize the integrated management systems in the environment of the SDGs, students will learn how it contributes to the participation of companies in complying with the SDGs of the 2030 agenda.

PREVIOUS KNOWLEDGE**RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE**

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

OTHER REQUIREMENTS



Although no prerequisites have been established, for the correct follow-up of this subject it is advisable at least to have taken the subjects that precede in the academic planning of the master's degree.

COMPETENCES / LEARNING OUTCOMES

2154 - Master's degree in Quality Management

Aplicar el trabajo en equipo como mecanismo básico para la mejora continua del sistema de gestión de la calidad.

Be able to integrate new technologies in their professional and/or research work.

Capacidad para desarrollar una actitud de crítica constructiva y de mejora continua hacia las prácticas y el funcionamiento de la organización.

Capacidad para diseñar, implantar y mejorar continuamente un sistema de gestión de la calidad, ya sea en una empresa de producción como en una organización del sector servicios.

Comprender los mecanismos que facilitan la innovación y la gestión del conocimiento en una organización.

Construir una actitud proactiva ante los posibles cambios que se produzcan en su labor profesional y/o investigadora.

Critically analyze both his/her work and that of the colleagues.

Integrar el sistema de gestión de calidad con el resto de sistemas de gestión de la organización (medioambiente, conocimiento, prevención de riesgos laborales).

Know how to write and prepare presentations to present and defend them later.

Saber cómo adaptar e integrar la política de calidad con la estrategia de negocios de la organización.

Saber trabajar en equipo con eficacia y eficiencia.

Ser capaces de buscar, ordenar, analizar y sintetizar la información, seleccionando aquella que resulta pertinente para la toma de decisiones.

Ser capaces de tomar decisiones tanto individuales como colectivas en su labor profesional y/o investigadora.

Students should apply acquired knowledge to solve problems in unfamiliar contexts within their field of study, including multidisciplinary scenarios.

Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.

Students should communicate conclusions and underlying knowledge clearly and unambiguously to both specialized and non-specialized audiences.



Students should demonstrate self-directed learning skills for continued academic growth.

Students should possess and understand foundational knowledge that enables original thinking and research in the field.

DESCRIPTION OF CONTENTS

1. TOPIC 1: Sustainable development as a context of integrated business management systems.

- 1.1 United Nations Sustainable Development
- 1.2 Sustainable development goals: Agenda 2030
- 1.3 The 5P model

2. TOPIC 2: Ethics and Corporate Social Responsibility

- 2.1 Ethics in the company
- 2.2 Corporate social responsibility (CSR or CSR)
 - 2.2.1 Regulatory scope
 - 2.2.2 Formalization tools for corporate social responsibility
- 2.3 Search and analysis of illustrative examples
- 2.3 Business management models that contribute to Corporate Social Responsibility

3. TOPIC 3: Legal requirements and their fulfillment within the framework of Management Systems

- 3.1 Initial Concepts (Legal Requirements) and Sources of Law - Legal Hierarchy (European Union and Spain)
- 3.2 Legal Requirements - Regulatory Requirements (Differences)
- 3.3 Management Systems and Legal Requirements
 - 3.1 Procedure for identifying legal requirements
 - 3.2 Assessment of legal compliance in management systems
 - 3.2 Legal Compliance

- 1. Basic Concepts:
- 2. Work accident
 - 2.1. Accident "In Itinere"
 - 2.2. Professional illness
 - 2.3. Incidence rate. Sector evolution
 - 2.4. Cost of Accidents: Direct Costs and Indirect Costs



4. UNIT 4: Introduction to Occupational Risk Prevention

1. Basic Concepts:
2. Work accident
 - 2.1. Accident "In Itinere"
3. Legal Framework for the Prevention of Occupational Risks
 - 3.1. Legal Background and Applicable Legislation
 - 3.2. Occupational Risk Prevention Law (Law 31/95)
 - 3.2.4. Introduction
 - 3.2.5. Rights and Obligations of the company and workers
 - 3.2.6. Legal Responsibilities, Types of Violation and Penalties
 - 3.3. Regulation of Prevention Services (RD 39/1997)
 - 3.3.4. Prevention Organization Modalities
 - 3.3.5. Legally Defined Figures
4. Prevention Delegate
5. Health and Safety Committee
6. Prevention Services
7. Prevention Audits
8. Preventive Resource
4. Management of Occupational Risk Prevention
 - 4.1. Initial Diagnosis (Sources of information, statistical indices, etc.)
 - 4.2. Occupational Risk Prevention Plan
 - 4.3. Preventive system
 - 4.4. Occupational Risk Assessment and Preventive Planning

5. TOPIC 5: Environmental Management Systems

- 5.1 The ISO 14001: 2015 standard
- 5.2 EMAS Regulation: Community System of Eco-management and Eco-audits
- 5.3 Energy management systems

6. TOPIC 6: Safety and health system at work

- 6.1.- The ISO 45001: 2018 standard

7. TOPIC 7: Other business management systems

- 7.1. Risk management system : ISO 31000
- 7.2 Asset Management Systems

- 8.1. Definition of an integrated management system
- 8.2. Advantages and disadvantages of integration



8. TOPIC 8: Integration of management systems

- 8.1. Definition of an integrated management system
- 8.3. Conditions for integration
- 8.4. Structure of an integrated management system.
- 8.5. Implementation of an integrated management system.
- 8.6. Systems coincidences.
- 8.7. Document system of an integrated management system

9. TOPIC 9: How to generate the annual CSR report

- 9.1 The GRI as a tool to formalize CSR
- 9.2 The information generated by the integrated management systems for the development of the GRI indicators

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Tutorials	6,00
Theory	19,00
Computer classroom practice	15,00
Total hours	40,00

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	0,00
Independent study and work	0,00
Preparation of lessons	0,00
Preparation for assessment activities	0,00
Resolution of case studies	0,00
Total hours	0,00

TEACHING METHODOLOGY

The on-site development of the subject is structured in 14 sessions, which include theory sessions, practical sessions and Expert Conferences

EVALUATION

Regarding the evaluation of the learning of the subject, it will be carried out through two clearly differentiated parts: continuous evaluation and evaluation of theoretical knowledge.



- Continuous evaluation: assessment of the participation and completion of work by the student. The evaluation will take into account, in a prominent way, the continued effort of the student, the attendance to the classes, the participation in them, the completion of the previous work necessary for the practical classes and the development of the proposed practices.
- Evaluation of theoretical knowledge: There will be a multiple choice written test.
- The weighting of each of the parts in the final grade will be as follows:
 - 70% continuous evaluation
 - 30% the written test.

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

REFERENCES

- AENOR (2015) UNE-En Norma ISO 9001:2015 Madrid
- AENOR (2018) UNE-EN Norma ISO 45001:2018 Sistemas de gestión de seguridad y salud en el trabajo. Madrid
- AENOR (2015) UNE-EN Norma ISO 9000: 2015: Sistemas de gestión medioambiental. Madrid
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- LEY 18/2017, de 13 de julio, de la Generalitat, para el fomento de la responsabilidad social. [2018/6989], en http://www.dogv.gva.es/datos/2018/07/16/pdf/2018_6989.pdf
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- EUROPA SOSTENIBLE 2030. en https://ec.europa.eu/commission/sites/beta-political/files/rp_sustainable_europe_es_v2_web.pdf
- LOS SISTEMAS INTEGRADOS DE GESTIÓN: GESTIÓN DE LA CALIDAD TOTAL, GESTIÓN MEDIO AMBIENTAL Y GESTIÓN DE LA PREVENCIÓN. Fundación para la Prevención de Riesgos Laborales. CEPYME - ARAGON
- SERIE DE NORMAS OHSAS 18000:1999. Fundación para la Prevención de Riesgos Laborales. CEPYME ARAGON
- SISTEMAS INTEGRADOS DE GESTIÓN. Alfonso Fernández Hatre. INSTITUTO DE DESARROLLO ECONÓMICO PRINCIPADO DE ASTURIAS (IDEPA). CENTRO PARA LA CALIDAD EN ASTURIAS.
- Caso de Estudio: Sistema Integrado de Gestión - Qualitas BiBlo. <https://qualitasbiblo.files.wordpress.com/2013/01/manual-del-sistema-integrado-de-gestion-del-cib.pdf>
- Lectura. ¿Qué son los Sistemas de Gestión Integrados y por qué los necesitas? <https://ctmaconsultores.com/sistemas-gestion-integrados/>
- Lectura. Integrar con éxito sistemas de gestión <https://revista.aenor.com/336/integrar-con-exito-sistemas-de-gestion.html>
- Lectura. Sistemas Integrados de Gestión <https://www.eoi.es/blogs/joseangelperez/2012/06/22/sistemas-integrados-de-gestion/>
- www.jurisweb.com Página web especializada en legislación. Se encuentra gran cantidad de información referente a legislación medioambiental
- www.eea.eu.int Página web de la agencia europea de medioambiente. Ofrece gran cantidad de información medioambiental a nivel europeo.
- PREVENCIÓN DE RIESGOS LABORALES: ¿ES LA ESPECIFICACIÓN OHSAS 18001:1999 LA SOLUCIÓN? Elena Mansilla: Responsable Técnico de Certificación y Auditor Jefe de OHSAS 18001. Álvaro Rodríguez de Roa Gómez: Director de Certificación de Servicios. SGS ICS