

**COURSE DATA****Data Subject**

Code	43395
Name	Integrated management systems
Cycle	Master's degree
ECTS Credits	4.0
Academic year	2023 - 2024

Study (s)

Degree	Center	Acad. year	Period
2154 - Master's degree in Quality Management	Faculty of Economics	1	Second term

Subject-matter

Degree	Subject-matter	Character
2154 - Master's degree in Quality Management	4 - Future trends in quality management	Obligatory

Coordination

Name	Department
MENDEZ MARTINEZ, MANUEL	105 - Business Administration 'Juan José Renau Piqueras'

SUMMARY

The spectacular economic development experienced throughout the 20th century is linked to unprecedented environmental, economic and social degradation. This unique, common and global problem has aroused deep social concern fueled by the commitment of the institutions to try to improve this situation. In this context arises the United Nations pact on Sustainable Development (SD) and the 2030 agenda where 17 specific sustainable development goals (SDG) are set to achieve this commitment. This project affects both economic and social agents in all countries.

In this framework, companies are one of the main protagonists of this reality and are faced with a clear and growing institutional and social demand for improvement in their environmental, economic and social behavior. In this context, companies are required to issue an annual Corporate Social Responsibility (CSR) report.

Under this double scheme Sustainable Development and Corporate Social Responsibility, the integrated systems association presents and studies the usefulness of the different management systems used by companies to contribute to CSR and therefore to Sustainable Development, the SDGs and the 2030



agenda.

Some organizations committed to the dynamics of quality have begun the process towards environmental improvement, considering the latter as a natural extension of the first, which strengthens and complements them in the search for total quality. In fact, there are multiple interrelationships between both forms of management: in their implementation and in their competitive, strategic, organizational and human implications; between some tools, such as committees or audits; and in the implementation of management systems based on international standards. In fact, ISO 14001 has been, at times, the next step after the implementation of ISO 9001 (the latest version of both standards improves their compatibility). In addition, the two fields presented are linked to a third: prevention of occupational risks. The reason is simple; Falling into an occupational hazard is considered by many organizations as a quality failure. So much so that in SMEs the responsibility for quality, environment and occupational risks tends to converge in the same manager and the implementation of management systems that integrate the previous three is becoming more and more frequent.

Thus, we present the management systems for these risks and the specific requirements applicable to occupational risk systems, specifically the ISO45001: 2018 standard.

Although what has been presented so far is the main body of the subject, we will take the opportunity to present new trends in management systems, based on recently published standards, which are beginning to be used and perhaps in the not too distant future we will see them integrated with the previous ones. Specifically, in this course we will present the risk management system and the energy management system.

In this context, the course Integrated Management Systems aims to serve as a means for the Master's students to be able, first of all, to define a reference scheme to know the interconnection between the company, the environment and environmental risks, and then, ensure the simultaneous use of the announced management systems and establish the mental frameworks that allow the integration of new management systems.

In this way, the student will be able to identify and analyze the repercussions and the alternatives of behavior of the company in its natural environment, they will have the opportunity to know the fundamental concepts, techniques and basic tools of environmental management, but they will also be able to know the basic foundations of management of occupational hazards and the complementarity between the environmental, occupational and quality management systems, as well as with the new management systems that are being implemented, so that users can implement and use the systems together.

Finally, in order to contextualize the integrated management systems in the environment of the SDGs, students will close and finalize the integrated systems management course within the framework of Corporate Social Responsibility (CSR). Specifically, they will identify the information that emerges from the different management systems with the GRI indicators, the latter appears as a tool to be used for the preparation of the annual CSR report and 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 (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

2154 - Master's degree in Quality Management

- 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.
- 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.
- Capacidad para desarrollar una actitud de crítica constructiva y de mejora continua hacia las prácticas y el funcionamiento de la organización.
- Saber cómo adaptar e integrar la política de calidad con la estrategia de negocios de la organización.
- Students should possess and understand foundational knowledge that enables original thinking and research in the field.
- Ser capaces de buscar, ordenar, analizar y sintetizar la información, seleccionando aquella que resulta pertinente para la toma de decisiones.
- Saber trabajar en equipo con eficacia y eficiencia.
- Ser capaces de tomar decisiones tanto individuales como colectivas en su labor profesional y/o investigadora.
- Be able to integrate new technologies in their professional and/or research work.
- Know how to write and prepare presentations to present and defend them later.
- Critically analyze both his/her work and that of the colleagues.
- Construir una actitud proactiva ante los posibles cambios que se produzcan en su labor profesional y/o investigadora.
- Integrar el sistema de gestión de calidad con el resto de sistemas de gestión de la organización (medioambiente, conocimiento, prevención de riesgos laborales).



- Aplicar el trabajo en equipo como mecanismo básico para la mejora continua del sistema de gestión de la calidad.
- Comprender los mecanismos que facilitan la innovación y la gestión del conocimiento en una organización.

LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)

English version is not available

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



4. UNIT 4: Introduction to Occupational Risk Prevention

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
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. TOPIC 8: Integration of management systems**

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

ACTIVITY	Hours	% To be attended
Theory classes	19,00	100
Computer classroom practice	15,00	100
Tutorials	6,00	100
TOTAL	40,00	

TEACHING METHODOLOGY

The on-site development of the subject is structured in 14 sessions, which include theory sessions, practical sessions, seminars, a classroom tutoring and an optional evaluative test. For the theory sessions we opted for expository methods, completed with participation and discussion of relevant aspects. Analysis is also intended and comment on articles and documentaries. The follow-up of the subject will require the study of the basic bibliography that will be recommended at the beginning of each topic. In some cases, the bibliography may be supplemented with supporting material (readings, press releases, statistics, etc.). All supplementary material will be available in the virtual classroom. For the practical sessions we intend to promote the learning modalities collectively and in collaboration, through the use of more participatory activities, such as group dynamics, the analysis of experiences, the design of a simple environmental management system and the possibility of carrying out a monographic work whose conclusions will have to be presented and discussed in the classroom, during the last class session of the module. Teaching is complemented with cases that allow to know first-hand practical experiences of Valencian companies. Teaching methodology MD1 - Theoretical classes participatory master lesson MD2 - Discussion of articles (readings) MD3 - Practical cases MD4 - Problems MD5 - Seminars MD9 - Debate or guided discussion MD10 - 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

Basic

- 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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- 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>
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- 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