

## SUBJECT TEACHING GUIDE

### 1040 - Intergrated Business Management Systems

Master's Degree in Industrial Engineering  
Master's Degree in Industrial Engineering

Academic year 2024-2025

1. IDENTIFYING DATA					
Degree	Master's Degree in Industrial Engineering Master's Degree in Industrial Engineering			Type and Year	Compulsory. Year 1 Compulsory. Year 1
Faculty	School of Industrial Engineering and Telecommunications				
Discipline	Management				
Course unit title and code	1040 - Intergrated Business Management Systems				
Number of ECTS credits allocated	5	Term	Semester based (2)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. ADMINISTRACION DE EMPRESAS				
Name of lecturer	RAFAEL RODRIGUEZ FERNANDEZ				
E-mail	rafael.rodriguez@unican.es				
Office	E.T.S. de Ingenieros de Caminos, Canales y Puertos. Planta: + 1. DESPACHO (1035)				
Other lecturers					

3.1 LEARNING OUTCOMES
<ul style="list-style-type: none"> <li>- 1. The student will handle the legal regulations and technical recommendations of application in quality management, the environment and the prevention of occupational risks.</li> <li>2. The student will understand the implications for management of the implementation of standardized systems in these areas (ISO 9001, ISO 14001 AND OHSAS 18,001).</li> <li>3. The student will size each of the management subsystems in order to integrate them into the company's general management system.</li> </ul>

**4. OBJECTIVES**

1. Identify the common and differential elements of quality, environment and risk prevention systems labor.
2. Acquire the knowledge, skills and competencies necessary to document, implement and evaluate a methodology integrated management of quality, environment and prevention systems in an organization.
3. Know the advantages and problems involved in implementing an integrated system

**6. SUBJECT PROGRAM**

CONTENTS

1	Quality management
2	Environmental management
3	Management of prevention of occupational hazards
4	Systems integration: quality, environment and risk prevention.

**7. ASSESSMENT METHODS AND CRITERIA**

Description	Type	Final Eval.	Reassessn	%
Midterm Exam 1	Written exam	No	Yes	29,00
Midterm Exam 2	Written exam	No	Yes	28,00
Midterm Exam 3	Written exam	No	Yes	28,00
Subject Work	Work	No	No	15,00
<b>TOTAL</b>				<b>100,00</b>

Observations

Remote evaluation of these same works, practical exercises and written tests is planned, in the event that a new health alert due to COVID-19 makes it impossible to carry out the evaluation in person.

Observations for part-time students

The temporal distribution of the evaluation activities to be carried out and the criteria to be applied will be adapted to the particular characteristics of each student, always maintaining the nature of the tests to be carried out.

**8. BIBLIOGRAPHY AND TEACHING MATERIALS**

BASIC

AENOR (1999): OHSAS 18001  
 AENOR (2000): UNE-EN ISO 9001; UNE-EN ISO 9004; OHSAS 18002  
 AENOR (2002): ISO 14050; UNE-EN ISO 19011  
 AENOR (2004): UNE-EN ISO 14001; ISO 14004  
 AENOR (2005): UNE-EN ISO 9000; UNE 66177  
 AENOR (2018): ISO 45.001  
 COMISION EUROPEA (2001): Reglamento CE, nº 761/2001, del Parlamento Europeo y del Consejo de 19 de marzo 2001, de Ecogestión y Ecoauditoría medioambiental (EMAS)  
 Ley 31/1995, de 8 de noviembre, de Prevención de Riesgos laborales (BOE nº 269, de 10 de noviembre de 1995)  
 Real Decreto 39/1997, de 17 de enero, por el que se aprueba el Reglamento de los Servicios de Prevención (BOE nº 27, de 31 de enero de 1997)  
 Ley 54/2003, de 12 de diciembre, de reforma del marco normativo de la prevención de riesgos laborales (BOE de 13 de diciembre de 2003)

