



UNIVERSIDAD DE CORDOBA

FACULTAD DE CIENCIAS
GRADO DE CIENCIAS AMBIENTALES
 2024/25 YEAR
CALIDAD Y EMPRESA



Course details

Course name: CALIDAD Y EMPRESA

Code: 101547

Degree/Master: GRADO DE CIENCIAS AMBIENTALES

Year: 4

Field: CALIDAD Y EMPRESA

Character: OBLIGATORIA

Duration: FIRST TERM

ECTS Credits: 6.0

Classroom hours: 60

Face-to-face classroom percentage: 40.0%

Study hours: 90

Online platform: <https://moodle.uco.es/>

Coordinating teacher

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Brief description of the contents

The subject of "Quality and Business" provides a solid foundation for students in Environmental Sciences to understand the importance of entrepreneurship and sustainable management in the business world. This background will be achieved through the following actions:

Fostering Entrepreneurial Spirit and Business Initiative: This action aims to inspire students to develop an entrepreneurial mindset and encourage creativity in creating and managing businesses. We will explore success stories, analyze challenges, and promote the proactive attitude necessary for entrepreneurship.

Introducing Students to the Basics of Management Systems: Students will acquire fundamental knowledge of how management systems work in different areas, such as quality, environment, occupational health and safety, and social responsibility. Key concepts such as policies, procedures, performance indicators, and audits will be addressed.

Familiarizing Students with Handling Standards and Guidelines Related to Quality, Environment, Occupational Health and Safety, and Social Responsibility: Students will learn to interpret and apply relevant regulations and standards in the business context.

Addressing Integrated Management Systems as a Tool in the Workplace: We will explore how management systems can be combined and optimized to achieve greater efficiency and effectiveness within an organization. Students will understand how to integrate processes and establish synergies across different management areas.

Prerequisites

Prerequisites established in the study plan

None

Recommendations

None specified

Study programme

1. Theory contents

SECTION I. Entrepreneurship

- Introduction to entrepreneurship
- Entrepreneur. Personal entrepreneurship and personal brand

SECTION II. Business plan

- Business idea
- Strategic plan
- Marketing plan
- Funding sources and financial plan

SECTION III. Business management

- Standard framework of management systems: quality, environmental, occupational health and safety
- Context of the organization and leadership in management systems

SECTION IV. Business management systems

- Planning of management systems
- Support of management systems
- Operation of management systems
- Evaluation and improvement of management systems
- Management of Social Responsibility
- Integrated Management Systems

2. Practical contents

SEMINARS

Practical application of the theoretical concepts developed in lectures

Bibliography

ISO 9001:2015 standard: Quality Management Systems. Requirements, ISO Geneva, Switzerland.

ISO 14001:2015 standard: Environmental management system. Requirements, ISO Geneva, Switzerland.

ISO 14001:2015 - Environmental management systems - A practical guide for SMES.

ISO 45001:2018 -Occupational health and safety management systems — Requirements with guidance for use.

ISO 26000:2010 Guide on social responsibility.

IWA 26:2017 Using ISO 26000:2010 in management systems.

The ISO 14001:2015 Implementation Handbook: Using the Process Approach to Build an

Environmental Management System, M. Dench, ASQ, 2016.

ISO 9001:2015 in Plain English. Craig Cochran, Paton Professional, 2016. ISBN 978-1-932828-72-6.

Total Quality Management: Key Concepts and Case Studies. D.R. Kiran, 2017. BSP Books, Elsevier.

Leadership that gets results. Daniel Goleman, 2000, Harvard Business Reviews (Reprinted in 2017).

One page-Talent management, eliminating complexity, adding value. M. Goldsmith, Harvard Business Reviews, 2018.

"The Lean Startup: How Constant Innovation Create". Eric Ries.

"The Startup Owner's Manual: The Step-By-Step Guide for Building a Great Company" by Steve Blank and Bob Dorf

Methodology

General clarifications on the methodology (optional)

In the lectures, the professor will explain the contents specified in the theoretical block using the material available to students at Moodle. It is recommended that students base their study on the class notes, supplemented by the books recommended in the bibliography section. Class attendance is, therefore, crucial for good performance in the subject.

For some theoretical sessions, the professor will suggest working documents to students. These documents will be discussed in class following the "flipped classroom" model.

In the seminars, both basic and applied aspects of the material presented in the lectures will be addressed. Students will be provided with the necessary documentation for these sessions, including a list of questions.

During group work sessions and practical cases, students will independently work on a selection of the theoretical content of the subject under the supervision of the professor.

Methodological adaptations for part-time students and students with disabilities and special educational needs

They will be done according to the University guidelines and considering each case individually.

The methodologies will be adapted to the difficulties faced by students with any disability. The teachers will meet

with the students to establish the most appropriate adaptations to each particular case, following the indications

of the report issued by the Inclusive Education Unit

Face-to-face activities

Activity	Large group	Medium group	Total
<i>Assessment activities</i>	3	-	3
<i>Information processing activities</i>	-	12	12
<i>Projects based on the course contents</i>	30	-	30
<i>Written expression activities</i>	-	15	15
Total hours:	33	27	60

Off-site activities

Activity	Total
<i>Exercise and problem solving activities</i>	40
<i>Information processing activities</i>	30
<i>Information search activities</i>	20
Total hours	90

Results of the training and learning process**Knowledge, competencies and skills**

- CB3 Be capable of managing information.
- CB4 Capable of interpreting qualitative and quantitative data.
- CE19 Be capable of designing, implementing and coordinating environmental management in public and/or private companies, as well as in public institutions, the later implying a mastery of the standards, regulations, processes and techniques of Environmental Management Systems (E.M.S) as well as of Quality standards.
- CE21 Be capable of implementing a Environmental Management System: water management, integrated management of health, identification and assessment of environmental costs.
- CU2 Knowledge and perfection of user level in the area of ICTs.
- CU3 Exercise a routine of actively looking for work and having the capacity to learn.

Assessment methods and instruments

Intended learning outcomes	Examination	Means of practical execution	Oral means
<i>CB3</i>		X	
<i>CB4</i>		X	
<i>CE19</i>	X		
<i>CE21</i>	X		
<i>CU2</i>			X
<i>CU3</i>			X
Total (100%)	60%	20%	20%
Minimum grade (*)	5	5	5

(*)Minimum mark (out of 10) needed for the assessment tool to be weighted in the course final mark. In any case, final mark must be 5,0 or higher to pass the course.

General clarifications on instruments for evaluation:

The grade achieved in the course will be the summatory of those obtained in the final exam of the course (60%), means of practical execution (20%) and oral means (20%). In order to consider each evaluation input in this summatory, a grade equal to or higher than 5.0 is mandatory. In any case, to pass the subject, the final grade must be equal or higher than 5.0. Attendance and completion of the seminar activities (in which the means of practical execution and oral means will be continuously evaluated) is mandatory. The grades obtained during the academic year 2024-2025 in each evaluation tool will be maintained only (including ordinary and extraordinary calls) during the academic year 2024-2025.

Clarifications on the methodology for part-time students and students with disabilities and special educational needs:

For part-time students, the evaluation criteria will be adapted following the regulations of the University of Córdoba and attending to the characteristics of each case. The evaluation system will be adapted according to the needs presented by students with disability and special educational needs in required cases.

Clarifications on the evaluation of the extraordinary call and extra-ordinary call for completion studies:

The tools considered for the evaluation of the extraordinary call and the extra-ordinary call for completion of studies will be the same as in ordinary exams. For this purpose, students will have had to carry out the seminar activities beforehand, since attendance and completion of these are mandatory.

Qualifying criteria for obtaining honors:

Based on the article 80.3 of the Academic Regulations of the University of Cordoba

Sustainable development goals

Quality education
Decent work and economic growth
Industry, innovation and infrastructure
Responsible consumption and production
Climate action

Other Faculty

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The methodological strategies and the evaluation system contemplated in this Teaching Guide will respond to the principles of equality and non-discrimination and must be adapted according to the needs presented by students with disabilities and special educational needs in the cases that are required. Students must be informed of the risks and measures that affect them, especially those that may have serious or very serious consequences (article 6 of the Safety, Health and Welfare Policy; BOUCO 23-02-23).
