

27340 - Logistics and Supply Chain

Syllabus Information

Academic year: 2024/25

Subject: 27340 - Logistics and Supply Chain

Faculty / School: 109 - Facultad de Economía y Empresa

301 - Facultad de Ciencias Sociales y Humanas

Degree: 448 - Degree in Business Administration and Management

454 - Degree in Business Administration and Management

ECTS: 5.0

Year: 4

Semester: First semester

Subject type: Optional

Module:

1. General information

The main objective of this course is for students to learn about logistics processes and decisions related to the company's supply chain, with special emphasis on their strategic management in environments with uncertainty, and the identification of emerging trends in this field. In addition, students are expected to acquire a critical and reflective perspective on the role of logistics and company sourcing decisions in building a sustainable economy.

These approaches and objectives are aligned with the Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda (<https://www.un.org/sustainabledevelopment/es/>), specifically, the activities planned in the course will contribute to the achievement of the goals SDG-1 (No Poverty), SDG-2 (Zero Hunger), SDG-4 (Quality Education), SDG-5 (Gender Equality), SDG-11 (Sustainable Cities and Communities) and SDG-12 (Responsible Consumption and Production).

2. Learning results

By successfully completing this subject, students gain knowledge of the basic concepts that make up the areas of logistics and the supply chain, identifying the important role played by technology and transport. Likewise, they gain knowledge of strategic solutions to mitigate the effects of uncertainty and delve into new trends in logistics processes.

3. Syllabus

1. Introduction to logistics and supply chain. Supply management and warehousing systems.
2. Information flows and technology in the supply chain.
3. Transport in the logistics process.
4. Uncertainty in the Supply Chain. Forecasts and Solutions.
5. Consolidated Distribution, aggregation strategies and control of logistics processes.
6. Current logistics issues (reverse logistics, green logistics, circular economy, sustainability).

4. Academic activities

Participative lectures: 25 hours (Theoretical-practical sessions in which the contents of the course will be explained).

Practical classes with problem solving and case studies: 25 hours (Different problems/ cases will be analysed and discussed. In addition, a group work on a topic specific to logistics or the supply chain will be proposed).

Personal study: 73 hours.

Assessment tests: 2 hours.

5 ECTS = 125 hours

In principle, the teaching and assessment methodology is expected to be based on face-to-face classes. However, if circumstances so require, it may be carried out online.

5. Assessment system

Students must demonstrate that they have achieved the expected learning outcomes through the following assessment activities: In the first call, students will have the option of passing the subject by carrying out a continuous assessment or a global assessment.

1. Continuous assessment. Continuous assessment will be carried out through the aggregation of the marks obtained in the following activities.

a) Practical part (7 points)

- Resolution of questions/problems formulated and presentation in class (assessment between 30% and 40%).
- Group work: Group work on a topic related to logistics or the supply chain, which can be both theoretical and applied (assessment between 60% and 50%).
- Special activities: Visits to companies, talks, conferences, etc. (10%).

*The weights assigned to the assessment of the three types of activities shall add up to 100%

b) Theoretical part (3 points)

• Individual test for students who are taking continuous assessment. The student will have to answer a series of questions of a theoretical-practical nature in which the knowledge and assimilation of the theoretical concepts must be demonstrated, complementing the answers with the application of the practical aspects seen in the cases, readings and examples. As a guideline, the theoretical part accounts for between 50% and 60% of the mark, and the practical part for between 40% and 50% of the mark.

2. Overall assessment

For those students who do not wish to take continuous assessment, who have not passed it or who wish to improve their grade, there is also the possibility of taking a global assessment, consisting of an exam that will contain short questions on knowledge and understanding of the theory seen in class and exercises and/or case studies to demonstrate their ability to apply the theory studied to practice. This exam will represent 100% of the final grade and it is necessary that the student obtains a minimum grade of 5 points out of 10 to pass the course. In the second call, the evaluation will be carried out by means of a global test with the same characteristics as the one mentioned above.

6. Sustainable Development Goals

4 - Quality Education

7 - Affordable and Clean Energy

11 - Sustainable Cities and Communities