Universidad Zaragoza

Academic Year/course: 2024/25

30635 - Logistics and the Supply Chain

Syllabus Information

Academic year: 2024/25
Subject: 30635 - Logistics and the Supply Chain
Faculty / School: 109 - Facultad de Economía y Empresa
Degree: 432 - Joint Law - Business Administration and Management Programme
ECTS: 5.0
Year: 6
Semester: First semester
Subject type: Optional
Module:

1. General information

1. **Basic Subject Information**

Themain goal of this subject is for the student to learn the 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 area. 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 goals are aligned with the Sustainable Development Goals (SDGs) of the 2030 Agenda of the United Nations (https://www.un. org/sustainabledevelopment/en/), specifically, the activities planned in the subject will contribute to the achievement of SDG-1 (End Poverty), SDG-2 (Zero Hunger), SDG-4 (Quality Education), SDG-5 (Gender Equality), SDG-11 (Sustainable Cities and Communities) and SDG-12 (Responsible Production and Consumption).

2. Learning results

By passing this subject, the student achieves knowledge of the basic concepts that make up the areas of logistics and supply chain, identifying the important role played by technology and transportation. Likewise, it is possible to learn about strategic solutions to mitigate the effects of uncertainty and delve into new trends in logisticsprocesses.

3. Syllabus

1. Introduction to logistics and supply chain. Procurement management and storage systems.
2. Information flows and technology in the supply chain.
3. Transportation 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 topics (reverse logistics, green logistics, circular economy)

4. Academic activities

Participative master classes: 25 hours (Theoretical-practical sessions in which the contents of the subjectwill be explained)

Practical classes with problem solving and case studies: 25 hours (Different problems/ cases will be analyzed and will be discussed. In addition, there will be a group work on a topic related to the logistics activity or the supplychain.

Personal study. 73 hours.

Assessment tests: 2 hours.

5 ECTS = 125 hours

In principle, the teaching methodology and its evaluation is planned to be based on face-to-face classes . However, if circumstances so require, they may be conducted online."

5. Assessment system

The student must demonstrate that he/she has achieved the expected learning outcomes through the following assessment activities : In the first call, students will have the option to pass the subject by performing a continuous assessment or a global assessment.

1. -**Continuous assessment.** The continuous assessment will be carried out through the sum of the grades 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*:* Preparation of a group work on a topic related to the logistics activity or the supply chain, which may be both theoretical and applied (assessment between 60% and 50%).
- Special activities: Reports or assignments resulting from company visits, lectures, conferences, etc. (10%).

*The sum of the weights assigned to the evaluation of the three types of activities will be 100%.

b. **Theoretical part (3 points)**

-Individual test for students who are taking continuous assessment. The student will have to answer to a series of theoretical-practical questions to be developed where 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 represents between 50% and 60% of the grade, and the practical part between 40% and 50% of the grade.

2. **Global assessment**

For those students who do not wish to take a 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 of knowledge and understanding of the theory seen in class and exercises and/or case studies with which they 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 subject. **In the second call** the assessment will be carried out by means of a global test with the same characteristics as the one mentioned above.

6. Sustainable Development Goals

2 - Zero Hunger
4 - Quality Education
7 - Affordable and Clean Energy