Course guide
240308 - 240IIT11 - Supply Chain Management for Industry

Unit in charge: Barcelona School of Industrial Engineering
Teaching unit: 732 - OE - Department of Management.

Degree: MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2014). (Optional subject).
MASTER'S DEGREE IN AUTOMOTIVE ENGINEERING (Syllabus 2019). (Optional subject).

Academic year: 2023  ECTS Credits: 4.5  Languages: Spanish

LECTURER

Coordinating lecturer: Ponsich, Antonin Sebastien
Others: Muñoz Pulido, Juan Ramon
        Mur, Ana
        Ponsich, Antonin Sebastien

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Transversal:
CT3. TEAMWORK: Being able to work in an interdisciplinary team, whether as a member or as a leader, with the aim of contributing to projects pragmatically and responsibly and making commitments in view of the resources that are available.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

At the end of the course the student must know the concept of supply chain and its management. You need to be able to identify the main problems that supply chains face and identify the methods and tools that are useful to solve them.

The student must be able to identify when an industrial environment is digital, know the technologies used in digital industrial environments and identify the differences in the management of supply chains operating in these environments compared to those operating in traditional environments.

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours large group</td>
<td>40,5</td>
<td>36.00</td>
</tr>
<tr>
<td>Self study</td>
<td>72,0</td>
<td>64.00</td>
</tr>
</tbody>
</table>

Total learning time: 112.5 h
CONTENTS

**Introduction to supply chain management**

**Description:**


Supply chain coordination. The whip effect. Behaviors that accentuate the whip effect. Measures to avoid the whip effect.

**Key aspects to properly manage SC.**

**Full-or-part-time:** 78h
Theory classes: 20h
Guided activities: 10h
Self study : 48h

**Digital technologies for supply chain**

**Description:**

**Full-or-part-time:** 34h 30m
Theory classes: 8h 30m
Guided activities: 2h
Self study : 24h

GRADING SYSTEM

BIBLIOGRAPHY

**Basic:**