

SUBJECT TEACHING GUIDE

G1175 - Further Transport Systems

Degree in Civil Engineering

Academic year 2022-2023

1. IDENTIFYING DATA					
Degree	Degree in Civil Engineering			Type and Year	Optional. Year 4
Faculty	School of civil Engineering				
Discipline	Optional Subjects: Curricular Itinerary 3				
Course unit title and code	G1175 - Further Transport Systems				
Number of ECTS credits allocated	6	Term	Semester based (1)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. TRANSPORTES Y TECNOLOGIA DE PROYECTOS Y PROCESOS				
Name of lecturer	JOSE MARIA DIAZ PEREZ DE LA LASTRA				
E-mail	josemaria.diaz@unican.es				
Office	E.T.S. de Ingenieros de Caminos, Canales y Puertos. Planta: + 1. DESPACHO (1007)				
Other lecturers					

3.1 LEARNING OUTCOMES

- Knowledge of the concepts linked to the logistics organization and resolution of problems related to the geographical organization of storage and route planning in the freight transport

4. OBJECTIVES

- Deepen the role of logistics in the competitiveness of business environments.
- Know the most common logistic network design techniques.
- Approach the problem of storage from the view of location, design and management.

6. COURSE ORGANIZATION

CONTENTS	
1	Foundations of logistics. Costs of logistics systems. The concept of customer service.
2	The productive system. Lean manufacturing and Supply Chain.
3	The Purchasing system.
4	The design of the supply chain.
5	Storage activity: location models.
6	Designing the logistics network.
7	Logistics operators and intermodality

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Team work	Others	No	Yes	20,00
Final exam	Written exam	Yes	Yes	60,00
Individual exercises	Others	No	No	20,00
TOTAL				100,00
Observations				
Students who request advanced evaluation of the subject will take a written exam of the subject with theoretical and practical content.				
In case of a new health alarm due to COVID-19 and if the guidelines of the health and educational authorities do not allow face-to-face evaluation in the classroom, a remote evaluation system will be adopted.				
Observations for part-time students				
Part-time students will be evaluated only with the written final exam.				

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

- Apuntes de la Asignatura
- Ballou, R.H. 1991. Logística empresarial. Ed. Díaz de Santos.
- Ballou, R.H. 2004. Logística. Administración de la cadena de suministro. Ed. Pearson, Prentice Hall.
- Mira, A. 2006. Operadores Logísticos. Ed. Marge Books.
- Aguilar, J.A. 2001. Subcontratación de servicios logísticos. Ed. Logis BOOK.
- O'Grady, P.J. 1992. Just-in-Time. Mc Graw Hill. Madrid.
- Monden, Y. 1988. El sistema de producción Toyota. Ed. CDN Ciencias de la dirección, S.A.. Madrid.