

SUBJECT TEACHING GUIDE

G1689 - Intermodality

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	Subject Area: Transport Engineering				
Course unit title and code	G1689 - Intermodality				
Number of ECTS credits allocated	6	Term	Semester based (2)		
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	MIGUEL ANGEL PESQUERA GONZALEZ				
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Other lecturers					

3.1 LEARNING OUTCOMES

- To know and to dominate intermodality aspects carries out freight logistics and deployment in Europe , explained in the first part of the course and to be verified by means of the first written test.
- Knowledge of transport terminals and specific concepts explained in the second part of the course; and to be verified in the corresponding written test of evaluation.

4. OBJECTIVES

- The general objective of the course is to provide to the students with the basics concepts of intermodal, comodality and synchromodal freight transport.
- Knowledge of advanced logistics and networks.

6. COURSE ORGANIZATION	
CONTENTS	
1	BLOCK 1: INTERMODAL, CONTAINERIZATION, TRADE, AND TRANSPORTATION MODES.
2	CHAPTER 1. Intermodal Transportation and Containerization 1.1. The Nature of Intermodalism. 1.2. Forms of Intermodalism. 1.3. Containerization
3	CHAPTER 1. Containerization and Intermodal Transportation 1.4. Advantages and Challenges of Containerization 1.5. Intermodal Transport Costs
4	CHAPTER 2. Transportation, Globalization and International Trade 2.1.- The Flows of Globalization. 2.2.- The Setting of the Contemporary Global Trade System. 2.3.- Trade Facilitation. 2.4.- Global Trade Flows 2.5.- International Transportation. 2.6.- Global Trade at a Threshold.
5	CHAPTER 3. TRANSPORTATION MODES. 3.1.- Transportation Modes: An Overview. 3.2.- Road Transportation. 3.3.- Rail Transportation.
6	CHAPTER 3. TRANSPORTATION MODES. 3.4.- Maritime Transportation. 3.5.- Air Transport.
7	BLOCK 2.- TRANSPORTATION TERMINALS, LOGISTICS, AND DRY PORTS.
8	CHAPTER 4.- TRANSPORTATION TERMINALS 4.1.- The Function of Transport Terminals. 4.2.- The Location of Terminals. 4.3.- Port Terminals. 4.4.- Rail Terminals 4.5.- Airport Terminals
9	CHAPTER 5.- LOGISTICS AND FREIGHT DISTRIBUTION
10	CHAPTER 6.- INLAND PORTS / DRY PORTS

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
The continuous evaluation will be carried out with the control of the class attendance	Activity evaluation with Virtual Media	No	No	40,00
At the end of each topic, a test will be carried out to follow up on the topic discussed	Others	No	Yes	20,00
In the last class, each student will present a final reflection on a theme, on various topics or on the overall development of the course	Work	No	Yes	40,00
TOTAL				100,00
Observations				
<p>In connection with the resolutions adopted at the ordinary session of the School Board held on June 10, 2010, it is established that the evaluation activities have the character of recoverable,</p> <p>As a general criteria a student may be presented only to the recovery of those activities not passed, when it has not been obtained a minimum score of four out of ten points.</p> <p>As a general criteria the recovery period evaluation procedure is the same as the assigned activity.</p> <p>As there are two parties to the subject, the minimum rating of four applies to both parties</p> <p>Note: According to the Royal Decree RD 1125/2003 the credit system and the grading system in the EU official university qualifications and valid throughout the country, the results obtained by students in each of the subjects of the plan are graded according to the following numerical scale of 0-10, with one decimal, that may be added.</p> <p>The corresponding qualitative rating is as follow: 0.0 to 4.9: Suspense (SS). 5.0 to 6.9: Pass(AP). 7.0 to 8.9: Very Good (NT). 9.0 to 10: Outstanding (SB)</p>				
Observations for part-time students				
<ul style="list-style-type: none"> - Participation and attendance - Work with oral presentation 				

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

The geography of transport systems. <http://people.hofstra.edu/geotrans/eng/content.html>
 European Intermodal Association. <http://www.eia-ngo.com/>
 Hugo Priemus, Peter Nijkamp "The Future of Intermodal Freight Transport: Operations, Design and Policy". Edward Elgar Publishing, 2008.