

SUBJECT TEACHING GUIDE

604 - Port Management

Master's Degree in civil Engineering, Canal and Port Engineering

Academic year 2025-2026

1. IDENTIFYING DATA					
Degree	Master's Degree in civil Engineering, Canal and Port Engineering			Type and Year	Optional. Year 2
Faculty	School of civil Engineering				
Discipline	SPECIALITY IN TRANSPORT, URBAN PLANNING AND LAND MANAGEMENT				
Course unit title and code	604 - Port Management				
Number of ECTS credits allocated	3	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	JOSE LUIS MOURA BERODIA				
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Other lecturers	ANDRES RODRIGUEZ GUTIERREZ				

3.1 LEARNING OUTCOMES

- To master and know how Port Management is carried out in the field of logistics chains of goods and international trade , carrying out a work for student evaluation related to port competitiveness in disruptive moments in the port logistics chain such as the Suez Canal incident in 2021, and the Covid-19 pandemic.

4. OBJECTIVES

To know the key elements of digitalization and automation in Port Management.

Intermodality for efficiency in port logistics.

The technologies to be applied such as IoT, Blockchain and AI.

The network and distributive governance model.

6. SUBJECT PROGRAM	
CONTENTS	
1	Digitalization in Port Logistics
2	Intermodality, Port Logistics
3	Automation in port logistics chains

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Continuous evaluation will be carried out by monitoring class attendance.	Work	Yes	Yes	100,00
TOTAL				100,00
Observations				
Observations for part-time students				
Coruse Work				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
Hercules E. Haralambides. Port Management, Palgrave Macmillan, 2015
Dong-Wook Song, Photis M. Panayides. Maritime Logistics: A Guide to Contemporary Shipping and Port Management. Kogan Page, 2015
Burns, Maria G. Port Management and Operations. CRC Press, 2014