

## **Annex 4. Learning outcomes**



## **The intended learning outcomes alignment with the Qualifications Framework in the European Higher Education Area (QF-EHEA)**

The *Joint Master's Degree in Port Management and Logistics* has been designed to align with the Qualifications Framework in the European Higher Education Area (QF-EHEA), ensuring that the programme meets the highest standards of quality, relevance and academic rigour. Graduates will acquire a broad knowledge of port management and logistics, including supply chain management, maritime law, port economics and environmental sustainability. They will be able to solve complex problems using analytical and strategic thinking, make informed judgements taking into account ethical, social and environmental implications, and communicate complex ideas effectively to diverse audiences. In addition, the programme fosters advanced learning skills, enabling graduates to pursue further studies independently. This alignment with the QF-EHEA ensures that graduates have advanced knowledge, practical expertise and the ability to continue their professional development, enhancing their mobility and employability across the European Higher Education Area and beyond.

Learning Outcomes (LOs) corresponding to the Qualifications Framework for the European Higher Education Area (QF-EHEA; second cycle):

**QF-EHEA-1:** have demonstrated knowledge and understanding that is founded upon and extends and/or enhances that typically associated with the first cycle, and that provides a basis or opportunity for originality in developing and/or applying ideas, often within a research context.

**QF-EHEA-2:** can apply their knowledge and understanding, and problem-solving abilities in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study.

**QF-EHEA-3:** have the ability to integrate knowledge and handle complexity, and formulate judgments with incomplete or limited information, but that include reflecting on social and ethical responsibilities linked to the application of their knowledge and judgments.

**QF-EHEA-4:** can communicate their conclusions, and the knowledge and rationale underpinning these, to specialist and non-specialist audiences clearly and unambiguously.

**QF-EHEA-5:** have the learning skills to allow them to continue to study in a manner that may be largely self-directed or autonomous.

## **Programme Learning Outcomes (PLOs) - MIPMAL**

**PLO1:** Interpret and be able to properly apply the scientific method to analyse and formulate judgements, either experimental and/or theoretical, in the field of Port Management and Logistics.

**PLO2:** Demonstrate proficiency in the use of scientific bibliography, databases and relevant information, and in the analysis of scientific and technical documents in the field of Port Management and Logistics.

**PLO3:** Compare, review and develop reports, presentations and/or academic publications in the field of Port Management and Logistics.

**PLO4:** Interpret the basic regulatory framework governing the field of Port Management and Logistics.

**PLO5:** Determine and apply Information and Communication Technologies, both for general and specific use, in the field of Port Management and Logistics.

## Courses code

Code	Course
MIP1.1	Introduction to MIPMAL
MIP1.2	Operations and Services in Ports
MIP1.3	Terminal Design & Construction
MIP1.4	Cargo-handling Equipment Technology
MIP1.5	Energy Transition
MIP1.6	Sustainable Port Cities
MIP2.1	Port Governance
MIP2.2	Strategic and Port Master Plans
MIP2.3	Economic Evaluation of Port Infrastructure
MIP2.4	Port Competition & Competitiveness
MIP2.5	Supply Chain Management
MIP2.6	Port Logistics
MIP3.1	Logistics Modelling
MIP3.2	Digitalisation and IT Tools
MIP3.3	Introduction to the International Law of the Sea
MIP3.4	Core Issues and Development of Maritime Shipping Law
MIP3.5	Port Activities and the Environment
MIP3.6	Research Methods
MIP4.1	OPTION A. Industrial Master's dissertation
MIP4.2	OPTION B. Research track

**a. Matrix of alignment with the Qualifications Framework in the European Higher Education Area (QF-EHEA) and the Programme Learning Outcomes (PLOs) mapped with Course Learning Outcomes (CLOs).**

PLOs	CLOs																				QF-EHEA LOs					
	MIP1 .1	MIP1 .2	MIP1. 3	MIP1. 4	MIP1. 5	MIP1. 6	MIP2. 1	MIP2. 2	MIP2. 3	MIP2. 4	MIP2. 5	MIP2. 6	MIP3. 1	MIP3. 2	MIP3. 3	MIP3. 4	MIP3. 5	MIP3. 6	MIP4. 1	MIP4. 2	1	2	3	4	5	
PLO1					*	*					*	*	*					*	*	*	*	*	*	*		*
PLO2		*	*	*	*	*	*	*	*	*	*							*	*	*	*	*	*		*	*
PLO3	*	*	*	*	*		*	*	*	*	*			*			*	*	*	*		*	*	*	*	*
PLO4	*						*	*	*	*		*			*	*	*	*	*	*	*	*	*	*		*
PLO5	*											*	*	*				*	*	*	*	*	*		*	*

**b. Matrix of alignment with applicable national qualifications framework**

Non-applicable