

## [MLB004] International freight transport

### GENERAL INFORMATION

<b>Studies</b>	UNIVERSITY MASTER'S DEGREE IN PRODUCTIVE LOGISTICS OPERATIONS MANAGEMENT		<b>Subject</b>	The main functions of the supply chain	
<b>Semester</b>	2	<b>Course</b>	1	<b>Mention / Field of specialisation</b>	
<b>Character</b>	COMPULSORY		<b>Modality</b>	Face-to-face	
<b>Plan</b>	2022	<b>Hours/week</b>	0	<b>Language</b>	CASTELLANO/ENGLISH
<b>Credits</b>	3	<b>Total hours</b>	38 class hours + 37 non-class hours = <b>75 total hours</b>		

### PROFESSORS

AZPI-PRADO LARBURU, MARTA

### REQUIRED PREVIOUS KNOWLEDGE

Subjects	Knowledge
(No specific previous subjects required)	(No previous knowledge required)

### LEARNING RESULTS

LEARNING RESULTS	KC	SK	AB	ECTS
<b>MLR111</b> - Identifies the key aspects when contracting each mode of transport (air, sea, rail, road and intermodal): physical means, personal means, commercial management and costs.	x			1,2
<b>MLR112</b> - Distinguishes, evaluates and selects the Incoterms® 2020 rules and knows the main international transport documents		x		1,4
<b>MLR301</b> - Works in multidisciplinary teams, without distinction, with a cooperative and participative attitude and efficiently communicates the results obtained orally and in writing in different languages. Without any limitation of accessibility to achieve the established objectives.	x		x	0,2
<b>MLR302</b> - Understands the impact of their profession on the environment in order to practice with social responsibility	x			0,2
<b>Total:</b>				<b>3</b>

KC: Knowledge or Content / SK: Skills / AB: Abilities

### SECONDARY LEARNING RESULTS

**RML118** [!] *Identifica los aspectos clave a la hora de la contratación de cada uno los modos de transporte (aéreo, marítimo, ferroviario, carretera e intermodal): medios físicos, medios personales, la gestión comercial y los costes*

LEARNING ACTIVITIES	CH	NCH	TH
Conducting tests, giving presentations, presenting defences, taking examinations and/or doing checkpoints	1 h.	7 h.	8 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	9 h.	8 h.	17 h.
Carrying out visits and/or learning trips to other university centres, laboratories, companies and/or thermal power plants	5 h.		5 h.
<b>EVALUATION SYSTEM</b>	<b>W</b>	<b>MAKE-UP MECHANISMS</b>	
Individual written and/or oral tests or individual coding/programming tests	100%	Individual written and/or oral tests or individual coding/programming tests	

**CH - Class hours:** 15 h.

**NCH - Non-class hours:** 15 h.

**TH - Total hours:** 30 h.

**RML119** [!] *Distingue, evalúa y selecciona las reglas Incoterms® 2020 y conoce los principales documentos del transporte internacional*

LEARNING ACTIVITIES	CH	NCH	TH
Carrying out/resolving projects/challenges/cases, etc. to provide solutions to problems in interdisciplinary contexts, real and/or simulated, individually and/or in teams	2 h.	8 h.	10 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	5 h.	2 h.	7 h.

Carrying out exercises and solving problems individually and/or in teams	3 h.	5 h.	8 h.
Seminars, debates and/or workshops to deepen and/or share experiences.	5 h.	5 h.	10 h.

#### EVALUATION SYSTEM

**W**

Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems

100%

#### MAKE-UP MECHANISMS

Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems

**CH - Class hours:** 15 h.

**NCH - Non-class hours:** 20 h.

**TH - Total hours:** 35 h.

**RML301** [!] *Trabaja en equipos multidisciplinares, sin distinción ninguna, con actitud cooperativa, participativa y comunicativa eficiente los resultados obtenidos de forma oral y escrita en distintos idiomas. Sin ninguna limitación de accesibilidad para alcanzar lo*

#### LEARNING ACTIVITIES

**CH**

**NCH**

**TH**

Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams

3 h.

1 h.

4 h.

Carrying out/resolving projects/challenges/cases, etc. to provide solutions to problems in interdisciplinary contexts, real and/or simulated, individually and/or in teams

1 h.

1 h.

#### EVALUATION SYSTEM

**W**

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems

50%

Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems

50%

#### MAKE-UP MECHANISMS

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems

**CH - Class hours:** 4 h.

**NCH - Non-class hours:** 1 h.

**TH - Total hours:** 5 h.

**RML302** [!] *Entiende el impacto de su profesión en el entorno para ejercer con responsabilidad social*

#### LEARNING ACTIVITIES

**CH**

**NCH**

**TH**

Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams

3 h.

1 h.

4 h.

Carrying out/resolving projects/challenges/cases, etc. to provide solutions to problems in interdisciplinary contexts, real and/or simulated, individually and/or in teams

1 h.

1 h.

#### EVALUATION SYSTEM

**W**

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems

50%

Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems

50%

#### MAKE-UP MECHANISMS

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems

**CH - Class hours:** 4 h.

**NCH - Non-class hours:** 1 h.

**TH - Total hours:** 5 h.

## CONTENTS

### Topic 1: Introduction to international transport

1. Definition, market characteristics, current trends. 2. Development and challenges of international transport in the 21st century. 3. Exercises and/or discussions. Case studies.

### Topic 2: International transport (of goods)

1. Introduction. a. Definitions. b. Professionals involved in transport. In general: freight forwarders (F. F.) and customs agents. c. Types of cargoes (goods) in transport. d. Criteria for choosing a specific transport. e. Liability regimes. 2. Maritime transport.

a. Introduction, physical means (cargoes / goods, vessels, and ports), personal means (shipping companies - regular lines, shipping agents, and stevedores). b. Commercial management and costs. Contracting of maritime transport: Liner vs. Tramp traffic. Container traffic. 3. Air transport. a. Introduction, physical means (cargo, aircrafts, and airports), personal means (airlines, air cargo agents - IATA agents, GHAs, GSAs). b. Commercial management and costs. Air transport contracting. 4. Land transport (rail and road). a. Introduction, physical means, personal means. b. Commercial management and costs. The contracting of land transport by road. 5. Intermodal transport. a. Introduction. Definition. Characteristics. b. Other related concepts: unimodal vs. intermodal transport. Segmented, combined and multimodal transport. Comodal, optimal and synchromodal transport. 6. Exercises and/or discussions. Practical cases.

### Topic 3: International transport and the Incoterms® 2020 Rules

1. Introduction. a. Concept: What are the Incoterms® rules (ICC)? b. What are the Incoterms® 2020 rules for and what are they not? c. The Incoterms® rules as a cross-cutting tool for international trade. 2. Incoterms® rules as price clauses. Place of transferring the logistics cost. a. Apportionment of logistics costs between seller and buyer, by leg of transport. b. Table of logistics costs and risks of the Incoterms® 2010 rules. c. Table of Logistics Costs and Risks of the Incoterms® 2020 rules. d. Containerised cargo freight costs. e. Freight ("prepaid" vs. "(to) collect") and its surcharges. f. Calculation of Export prices, from origin to destination, by concept, being the maritime transport the main one. g. Calculation of Export prices, from origin to destination, by concept, being the air transport the main one. 3. Incoterms® rules and the contract of carriage for international transport (based on the "ICC Handbook on Transport and the Incoterms® 2020 Rules", publication 806). a. How are goods handed over to the carrier? b. When and how are goods made available to the consignee? c. Who shall pay the price for transport? d. What additional costs can be added to the price for transport? e. Is there a variable part to the price for transport (e.g., "adjustment factors")? f. When is the price for transport payable? g. How are the goods to be packaged? h. Is the seller or the buyer responsible for customs clearance? i. Who is responsible for stowage and cargo securing? j. What sort of transport document should be issued by the carrier?

4. Exercises and/or discussions. Case studies. Quotations: price calculations based on Incoterms® 2020 for maritime, air and road transport.

### Topic 4: The main documents in international transport

1. B/L or BoL (Bill of Lading). 2. SWB (Sea Waybill), "Express Release Bill of Lading" or "Straight Bill of Lading". 3. AWB (Air Waybill). 4. CMR (Contrat de transport international de Marchandises par Route). 5. FBL or FIATA B/L (FIATA Bill of Lading). 6. Other transport documents. 7. Exercises and/or discussions. Practical cases.

### Topic 5: Digital transformation of international transport

1. Introduction. a. Technologies applied to international transport. b. Factors to consider in a digital transformation process. c. Areas of application of digital transformation in international transport. i. "End to End" traceability, cargo monitoring. ii. Administrative management. iii. Operational management, and business management. d. Digitalisation of transport documents. Relevance to the legal field: digital documents, eBL, eCMR, eAWB, paperless trade. e. Enabling technologies. f. Initiatives for the digitisation of international trade and transport. g. Real cases and current projects. 2. Exercises and/or discussions. Practical cases.

## LEARNING RESOURCES AND BIBLIOGRAPHY

### Learning resources

Subject notes  
Presentations by external Lecturers  
Topic related web quires  
Moodle Platform  
Class presentations  
Video projections

### Bibliography

ICC Handbook on Transport and the Incoterms® 2020 Rules, publication 806.  
Incoterms® 2020; by the International Chamber of Commerce (ICC), publication 723.  
Logística para el Siglo XXI: Inbound & Outbound, Complete works, volumes I and II. Co-author. Ed. Díaz de Santos. Madrid.  
More info at: <https://incotrans.es/es/noticias/Recomendados>