

[MLB101] Procurement Management

GENERAL INFORMATION

Studies	UNIVERSITY MASTER'S DEGREE IN PRODUCTIVE LOGISTICS OPERATIONS MANAGEMENT			Subject	?
Semester	1	Course	1	Mention / Field of specialisation	
Character	COMPULSORY				
Plan	2025	Modality	Face-to-face	Language	EUSKARA/CASTELLANO
Credits	4,5	Hours/week	0	Total hours	75 class hours + 37.5 non-class hours = 112.5 total hours

2030 AGENDA GOALS



PROFESSORS

GARMENDIA BERNABE, EUKEN

REQUIRED PREVIOUS KNOWLEDGE

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

LEARNING RESULTS

LEARNING RESULTS	KC	SK	AB	ECTS
ML071 - Distinguishes between the three key processes in industrial purchasing management (strategic, tactical and operational) and applies the main tools that make them up in different types of companies (MTS, MTO, etc.)	x	x		2,8
ML072 - Identifies the maturity levels of procurement management and how it is adapted according to the type of company (MTS, ETO, etc.) as well as the different procurement management techniques and tools based on the application of artificial intelligence and other digital tools to the procurement process	x			1,1
ML301 - 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	0,3
ML302 - Understands the impact of their profession on the environment in order to practice with social responsibility	x			0,3
Total:				4,5

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

SECONDARY LEARNING RESULTS

RML301 [!] Trabaja en equipos multidisciplinares, sin distinción ninguna, con actitud cooperativa, participativa y comunica 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		7,5 h.	7,5 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

(No mechanisms)

CH - Class hours: 0 h.

NCH - Non-class hours: 7,5 h.

TH - Total hours: 7,5 h.

RML111 [!] *Distingue entre los tres procesos claves en la gestión de compras industriales (estratégico, táctico y operativo) y aplica las principales herramientas que las componen en diferentes tipos de empresa (MTS, MTO, etc.)*

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	8 h.	10 h.	18 h.
Conducting tests, giving presentations, presenting defences, taking examinations and/or doing checkpoints	4 h.	5 h.	9 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	42 h.	1 h.	43 h.

EVALUATION SYSTEM

W

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	55%
Individual written and/or oral tests or individual coding/programming tests	35%
Observation (technical capacity, attitude and participation)	10%

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: 54 h.

NCH - Non-class hours: 16 h.

TH - Total hours: 70 h.

RML112 [!] *Identifica los niveles de madurez de la gestión de compras y cómo se adapta según el tipo de empresa (MTS, ETO, etc.) así como las diferentes técnicas y herramientas de gestión de compras basadas en la inteligencia artificial*

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	10,5 h.	4,5 h.	15 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	10,5 h.	2 h.	12,5 h.

EVALUATION SYSTEM

W

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	55%
Individual written and/or oral tests or individual coding/programming tests	35%
Observation (technical capacity, attitude and participation)	10%

MAKE-UP MECHANISMS

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems
Individual written and/or oral tests or individual coding/programming tests

CH - Class hours: 21 h.

NCH - Non-class hours: 6,5 h.

TH - Total hours: 27,5 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		7,5 h.	7,5 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%
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MAKE-UP MECHANISMS

(No mechanisms)

CH - Class hours: 0 h.
NCH - Non-class hours: 7,5 h.
TH - Total hours: 7,5 h.

CONTENTS

- Importance and objectives of the purchasing function in the company
- The purchasing function vs. procurement: application in different types of companies (MTS, MTO, ETO, etc.)
- Purchasing planning and strategy
- The tactical purchasing process
- Procurement maturity assessment
- Category/family management
- Supplier selection and evaluation
- Administrative and contractual management of purchasing
- Monitoring, control and management indicators
- Identification, coding and management of purchasing data
- Negotiation in purchasing

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Moodle Platform	Baeza, S. (2005). Gestión de Compraventa. Barcelona: Editorial McGraw-Hill.
Technical articles	Bergqvist, L., y Holm Öste, S. (2023). Managing the procurement process during scale-up: A case study of a European battery manufacturer. Master of Science Thesis TRITA-ITM-EX 2023:203. KTH Royal Institute of Technology, School of Industrial Engineering and Management, Stockholm, Sweden
Slides of the subject	Caniëls, M. C. J., y Gelderman, C. J. (2005). Purchasing strategies in the Kraljic matrix—A power and dependence perspective. Journal of Purchasing & Supply Management, 11(2), 141–155. Elsevier Ltd. doi:10.1016/j.pursup.2005.10.004
	Casanovas, A. (2011). Estrategias avanzadas de Compras y Aprovisionamiento. Barcelona: Editorial Profit.
	Casanovas, A., y Cuatrecasas, L. (2011). Logística integral. Barcelona: Editorial Profit. Fernández, J. M. (2001). Claves estratégicas en Compras y Aprovisionamiento. Barcelona: Editorial AERCE.
	Liu, S. (2023). Unilever Global Sourcing and Purchasing Strategies: A Case Study of Trade and Logistics between the EU and UK Post-Brexit. Industrial Engineering and Innovation Management, 6(10), 124–130. Clausius Scientific Press. doi:10.23977/ieim.2023.061016
	Shah, S., y Hasan, S. (2016). Procurement practices in project-based manufacturing environments. MATEC Web of Conferences, 76, 02007. EDP Sciences. doi:10.1051/mateconf/20167602007
	Soret de los Santos, I. (2004). Logística y Marketing para la distribución comercial (3a edición). Madrid: Editorial ESIC.
	Porter, M. (2009). Ser competitivo. Barcelona: Editorial Deusto S.A.