

[MLA004] Line Back Principle

GENERAL INFORMATION

Studies	UNIVERSITY MASTER'S DEGREE IN PRODUCTIVE LOGISTICS OPERATIONS MANAGEMENT		Subject	Improvement of industrial processes	
Semester	2	Course	1	Mention / Field of specialisation	
Character	OPTIONAL		Modality	Face-to-face	
Plan	2022	Hours/week	0	Language	CASTELLANO
Credits	3	Total hours	36.5 class hours + 38.5 non-class hours = 75 total hours		

PROFESSORS

NAVARRO ARAMBURU, IVAN

REQUIRED PREVIOUS KNOWLEDGE

Subjects	Knowledge
[!] <i>Logística 1 y 2</i>	(No previous knowledge required)
[!] <i>Ingeniería de fabricación</i>	

LEARNING RESULTS

LEARNING RESULTS	KC	SK	AB	ECTS
MLR131 - Identifies and defines the critical success factors of an organisational model based on the line back principle.	x			0,5
MLR132 - Identifies, analyses and applies the criteria and tools necessary to deploy the model based on the Line Back principle.	x	x		2,1
MLR301 - 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
MLR302 - Understands the impact of their profession on the environment in order to practice with social responsibility	x			0,2

Total: 3

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

SECONDARY LEARNING RESULTS

RML122 [!] *Identifica y define los factores críticos de éxito de un modelo organizativo basado en el principio line back*

LEARNING ACTIVITIES	CH	NCH	TH
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	8 h.	4,5 h.	12,5 h.

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
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: 8 h.

NCH - Non-class hours: 4,5 h.

TH - Total hours: 12,5 h.

RML123 [!] *Identifica, analiza y aplica los criterios y herramientas necesarias para desplegar el modelo basado en el principio Line Back*

LEARNING ACTIVITIES	CH	NCH	TH
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	10 h.	15 h.	25 h.
Carrying out exercises and solving problems individually and/or in teams	10,5 h.	17 h.	27,5 h.

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	70%	Individual written and/or oral tests or individual coding/programming tests

Individual written and/or oral tests or individual coding/programming tests 30%

CH - Class hours: 20,5 h.
NCH - Non-class hours: 32 h.
TH - Total hours: 52,5 h.

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

	<i>CH</i>	<i>NCH</i>	<i>TH</i>
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
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%
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

	<i>CH</i>	<i>NCH</i>	<i>TH</i>
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
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%
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

1.- Introduction
2.- The Line Back Principle
3.- The PDLB-EMPHOBEK Deployment Process
4.- Execution of the PDLB-EMPHOBEK Process
5.- Warehousing
6.- Logistics Outsourcing

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources

Subject notes
Moodle Platform

Bibliography

GÜNTNER, Willibald A.; BOPPERT, Julia. Lean logistics. Springer Berlin Heidelberg, 2013.
KLUG, Florian; KLUG, Florian. Logistikmanagement im Rahmen des Simultaneous Engineering. Logistikmanagement in der Automobilindustrie: Grundlagen der Logistik im Automobilbau, 2018, p. 79-128.