

[GOF302] LOGISTICS II

GENERAL INFORMATION

Studies	DEGREE IN INDUSTRIAL ORGANIZATION ENGINEERING		Subject	?
Semester	1	Course	3	Mention / Field of specialisation
Character	COMPULSORY		Language	CASTELLANO/EUSKARA
Plan	2022	Modality	Face-to-face	Total hours
Credits	6	Hours/week	5	90 class hours + 60 non-class hours = 150 total hours

PROFESSORS

ORUE IRASUEGUI, AITOR
ATORRASAGASTI ALDABALDETRECU, ESTELA

REQUIRED PREVIOUS KNOWLEDGE

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

LEARNING RESULTS

LEARNING RESULTS	KC	SK	AB	ECTS
GOR306 - To design a general solution for production and purchasing planning according to the characteristics of the product, process and market		x		5,08
G-RTR1 - To develop interdisciplinary projects specific to their specialty and of gradual complexity, - becoming aware of respect for human rights and fundamental rights, and analyzing and assessing the impact of the proposed solutions on the SDGs - to acquire and/or apply basic, advanced and /or avant-garde, demonstrating the ability to work in multidisciplinary teams and/or undertake further studies with a high degree of autonomy		x		0,44
G-RTR2 - To express information, ideas and the arguments that support them in an orderly, clear and coherent manner, orally and in writing, based on quality information, self-made or obtained from different sources, using inclusive and non-discriminatory language		x		0,48
Total:				6

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

ENAE LEARNING RESULTS

ENAE LEARNING RESULTS	ECTS
ENAE03 - Knowledge and understanding: Sufficient knowledge of their branch of engineering, including some knowledge at the forefront of their field.	1,5
ENAE07 - Analysis in engineering: Ability to choose and apply relevant modelling and analytical methods.	0,8
ENAE09 - Engineering projects: Understanding of the different methods and ability to use them.	0,45
ENAE11 - Research & innovation: Ability to design and carry out experiments, to interpret data and draw conclusions.	0,4
ENAE12 - Research & innovation: Technical and lab competences.	0,3
ENAE15 - Practical application of engineering: Understanding of applicable methods and techniques and their limitations.	1,2
ENAE17 - Transversal competences: To work effectively, both individually and in a team.	0,45
ENAE18 - Transversal competences: To use different methods to communicate effectively with the engineering community and society in general.	0,45
ENAE20 - Transversal competences: Demonstrate that they are aware of entrepreneurial practices and project management, in addition to risk control and management and understand their limitations.	0,44
Total:	6

CONTENTS

- Introduction to Operations
- Production Master Plan
- Material Management (MRP)
- JIT (Kanban)
- Theory of Constraints
- Demand Driven MRP

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Subject notes	WOMACK, J.P.; JONES, A.T. y ROSS, D. La máquina que cambió el

Topic related web quires	mundo. McGraw‑Hill Argitaletxea, 1.992.
Moodle Platform	SUZAKI, Kiyoshi. Competitividad en fabricación en la década de los 90. Tecnologías de Gerencia y Producción S.A. 1.991.
Class presentations	HARMON, R.L. eta PETERSON, LD. Reinventar la fábrica. Ciencias de la Dirección argitaletxea, 1.990
Video projections	Administración de producción y operaciones. Chase, Aquilano, Jacobs.2000. Mc Graw Hill.
Slides of the subject	Production and Operations Management. Norman Gaither. 1996.Duxbury Press
Student book	SEKINE, Kenichi. Diseño de células de fabricación. Productivity Press, Inc. 1993. ISBN: 84-87022-03-0
	CUATRECASAS Lluís. Diseño de procesos de producción flexible. Productivity Press, Inc. 1996. ISBN: 84-87022-25-1
	HYER, Nancy; WEMMERLÖV, Urban. Reorganizing the factory. Productivity Press, Inc. 2002. ISBN: 1-56327-228-8
	NAKAJIMA
	MUTHER R. Distribución en planta. Hispano Europea S.A
	CUATRECASAS Lluís. Diseño de procesos de producción flexible. Productivity Press, Inc. 1996. ISBN: 84-87022-25-1
	SEKINE, Kenichi. Diseño de células de fabricación. Productivity Press, Inc. 1993. ISBN: 84-87022-03-0
	HYER, Nancy; WEMMERLÖV, Urban. Reorganizing the factory. Productivity Press, Inc. 2002. ISBN: 1-56327-228-8
	SUZAKI, Kiyoshi. Competitividad en fabricación en la década de los 90. Tecnologías de Gerencia y Producción S.A. 1.991.
	HIRANO H. Manual para la implantación del JIT. Productivity Press
	APICS DICCIONARIO. Diccionario 7º edición. APICS. ISBN: 1-55822-114-X
	GUIAS Y HERRAMIENTAS DE APOYO A LA INNOVACIÓN. Guías de la gestión de la innovación. Producción y logística. ESADE, Business School. ISBN: 84-393-6186-6
	Jay Heizer & Barry Render
	Ed: Practice Hall ISBN:0-13-018604-X
	Japan Management Association
	Ed. Rev ISBN 84-87022-39
	Productivity Press Development Team
	ISBN 1-56327-274-1
	Raymond S.Louis.
	Ed. TGP Hoshin ISBN 84-870022-44-8
	Castro M.A., Barba E., Da Cunha D., Ibarra I., Iglesias J.L., Rogríguez M.
	Caixanova negozio eskola ISBN 84-8408-330-6
	ISBN 84-7978-095-9 Ediciones Díaz de Santos
	ISBN 968-6635-32-7 Ediciones Castillo
	ISBN 84-7978-200-5 Ediciones Díaz de Santos
	ISBN 84-7978-487-3 Ediciones Díaz de Santos
	ISBN 84-7978-129-9 Ediciones Díaz de Santos
	ISBN 84-7978-484-9 Ediciones Díaz de Santos