

## [GCO302] INDUSTRIAL ORGANISATION

### GENERAL INFORMATION

<b>Studies</b>	DEGREE IN ENGINEERING IN ECO-TECHNOLOGY IN INDUSTRIAL PROCESS		<b>Subject</b>	?
<b>Semester</b>	1	<b>Course</b>	3	<b>Mention / Field of specialisation</b>
<b>Character</b>	COMPULSORY		<b>Language</b>	ENGLISH
<b>Plan</b>	2022	<b>Modality</b>	Face-to-face	<b>Total hours</b> [!] 76 class hours + 131 non-class hours = <b>207 total hours</b>
<b>Credits</b>	4,5	<b>Hours/week</b>	4.22	

### PROFESSORS

URIZAR AIZPURU, ENERITZ

### REQUIRED PREVIOUS KNOWLEDGE

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

### LEARNING RESULTS

LEARNING RESULTS	KC	SK	AB	ECTS
<b>GCR310</b> - Applies business organization knowledge to improve production in industrial plants		x		3,78
<b>G-RTR1</b> - 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		0,4
<b>G-RTR2</b> - 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		0,32
<b>Total:</b>				<b>4,5</b>

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

### CONTENTS

- 1.New Industrial paradigm: Introduction to Lean Manufacturing
- 2.Just in time: Plant distribution and Cell design
- 3.Stability: Efficiency (OEE)
- 4.Stability: 5S and Autonomous Maintenance
- 5.Just in time: Rapid Changeover (SMED)
- 6.Just in time: Fifo Lane and Kanban Supermarkets

### LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Moodle Platform	LEAN MANUFACTURING. Exposición adaptada a la fabricación de familias de productos mediante procesos discretos. Francisco Larrañaga. 2013
Class presentations	LA MÁQUINA QUE CAMBIÓ EL MUNDO. Womack, J.P.; Jones, A.T. y Ross, D. Ed. McGraw-Hill 1992
	LEAN THINKING. Cómo utilizar el pensamiento Lean para eliminar los despilfarros y crear valor en la empresa Womack, J.P.; Jones, A.T. y Ross, D. Ed. McGraw-Hill 1992