## Goi Eskola Politeknikoa Escuela Politécnica

#### Goi Eskola Politeknikoa | Mondragon Unibertsitatea

Course: 2023 / 2024 - Course planning

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#### **GENERAL INFORMATION**

Studies DEGREE IN ENGINEERING IN

ECO-TECHNOLOGY IN INDUSTRIAL PROCESS

Mention / Field of

Character COMPULSORY

specialisation

Plan 2022

Credits 3

Semester 1

Modality Face-to-face

Course 3

Language ENGLISH

Subject ?

Hours/week 4

Total hours [!] 72 class hours + 67 non-class hours = 139 total

hours

#### **PROFESSORS**

GALLO FERNANDEZ, ANGEL

#### REQUIRED PREVIOUS KNOWLEDGE

**Subjects** Knowledge

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

LEARNING RESULTS				
LEARNING RESULTS	KC	SK	AB	ECTS
GCR309 - Assesses the environmental impact of a product or industrial process throughout its life cycle		Х		2,56
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		0,2
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		0,24
			Total:	3

Total:

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

#### **CONTENTS**

- 1. Definition and assessment of environmental impact:
- -Preliminary concepts
- -ISO 14040 and 14044 standards (methodology)
- -Definition of the steps of the methodology:
- -objectives and boundaries
- -Inventory
- -evaluation
- -IT tools 2. Product design and eco-design
- -Market analysis and functional analysis
- -Specification booklet

# Goi Eskola Politeknikoa Escuela Politécnica Superior

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-Product	dogian
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-Design for X (DfX)

-Ecodesign tools

LEARNING RESOURCES AND BIBLIOGRAPHY							
Learning resources	Bibliography						
Moodle Platform	https://katalogoa.mondragon.edu/janium-bin/referencista.pl?ld=2023						
Slides of the subject	1112111600						
Programmes							