

[GCK304] ENVIRONMENTAL PROCESS OPTIMISATION PLASTICS AND COMPOSITES

GENERAL INFORMATION

Studies	DEGREE IN ENGINEERING IN ECO-TECHNOLOGY IN INDUSTRIAL PROCESS		Subject	?
Semester	1	Course	3	Mention / Field of specialisation
Character	COMPULSORY		Language	ENGLISH
Plan	2022	Modality	Face-to-face	Total hours [!] 78 class hours + 129 non-class hours = 207 total hours
Credits	4,5	Hours/week	4.33	

PROFESSORS

ESNAOLA ARRUTI, ARITZ

REQUIRED PREVIOUS KNOWLEDGE

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

LEARNING RESULTS

LEARNING RESULTS	KC	SK	AB	ECTS
GCR307 - Determines the process variables necessary to manufacture a component using a technology suitable for plastics and composites		x		3,78
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		0,4
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		0,32
Total:				4,5

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

CONTENTS

- 1- Applications of plastics and composites
- 2- Polymers properties
- 3- Composites properties
- 4- Mechanical and physical behaviour of plastics and composites
- 5- Manufacturing process of plastic materials
- 6- Manufacturing process of composite materials

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Subject notes	http://katalogoa.mondragon.edu/janium-bin/janium_login_opac_re_in
Moodle Platform	k. pl?grupo=EKOTEKNOLOGIA31&ejecuta=15
Video projections	
Programmes	