

[GCI301] ENVIRONMENTAL SCIENCE AND TECHNOLOGY

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 [!] 83 class hours + 174 non-class hours = 257 total hours
Credits	6	Hours/week	4.61	

PROFESSORS

AROSTEGUI OCHOA, ASIER

REQUIRED PREVIOUS KNOWLEDGE

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

LEARNING RESULTS

LEARNING RESULTS	KC	SK	AB	ECTS
GCR308 - Determines the most appropriate treatment techniques for the management and reduction of contaminants considering their nature		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

CONTENTS

1. Solid waste: definition and classification.
2. Solid urban waste treatment.
3. Treatment of specific solid waste.
4. Constituents in wastewater
5. Primary wastewater treatment
6. Secondary wastewater treatment
7. Tertiary wastewater treatment
8. Industrial wastewaters management
9. Air pollution
10. Treatment of particles and dust
11. Gas cleaning systems

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Moodle Platform	http://katalogoa.mondragon.edu/janium-bin/janium_login_opac_re_in k. pl?grupo=EKOTEKNOLOGIA31&ejecuta=5
Video projections	
Slides of the subject	
Topic related web quires	