

[GAH204] PROCESS CONTROL

GENERAL INFORMATION

Studies	DEGREE IN ENERGY ENGINEERING		Subject	?
Semester	1	Course	3	Mention / Field of specialisation
Character	COMPULSORY		Language	ENGLISH
Plan	2022	Modality	Face-to-face	Total hours
Credits	6	Hours/week	2.78	50 class hours + 100 non-class hours = 150 total hours

PROFESSORS

DEL OLMO LARRAÑAGA, JON

REQUIRED PREVIOUS KNOWLEDGE

Subjects	Knowledge
(No specific previous subjects required)	[!] Software: MATLAB & Simulink [!] Ecuaciones diferenciales [!] Diagramas de bode [!] Transformada de Laplace

LEARNING RESULTS

LEARNING RESULTS	KC	SK	AB	ECTS
GAR301 - Develops control and automatic regulation systems for industrial automation applications		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. Introduction 2. System modelling 3. System analysis 4. Controller design 5. Controller implementation

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Subject notes Moodle Platform Class presentations Slides of the subject Specific Master Software	http://katalogoa.mondragon.edu/janium-bin/janium_login_opac_re_Ink.pl?grupo=ENERGIA31&ejecuta=5