

Goi Eskola Politeknikoa | Mondragon Unibertsitatea Course: 2023 / 2024 - Course planning

Mondragon Unibertsitatea Goi Eskola Politeknikoa Escuela Politécnica Superior

	GENE		FORMATION					
Studies DEGREE IN MECH	HATRONICS ENGINEE	RING	Subject	?				
Semester 2	Course 2		Mention / Field of					
Character OPTIONAL			specialisation					
Plan 2022	Modality Face-	to-face		CASTELLAN				
Credits 4,5	Hours/week 3.75		Total nours	67.5 class hou hours	Jrs + 45	non-ci	lass nours	5 = <u>112.</u> ;
		PROFE	SSORS					
ZALDIBIA GARATE, JOSEBA I		PREVIO		GE				
Subjec					vledge			
CTRICAL MACHINES			1)	lo previous kn	owledge	e requii	red)	
	LEA	RNING	RESULTS					
RNING RESULTS 218 - To know and apply the princ	inter for the second bar		· · · · · · · · · · · · · · · · · · ·		<u>кс</u>	SK	AB	ECTS 4,02
R1 - To develop interdisciplinary ming aware of respect for human ct of the proposed solutions on th t-garde, demonstrating the ability a high degree of autonomy P2 To express information idea	n rights and fundamenta ne SDGs - to acquire an v to work in multidisciplir	l rights, a id/or apply nary team	nd analyzing and ass y basic, advanced an is and/or undertake fu	essing the d /or irther studies		x		0,24
R2 - To express information, idea erent manner, orally and in writing ces, using inclusive and non-disc	, based on quality inforr					x		0,24
								4,5
(and the an Oraclant / OK: Obilla / AD: Ab							Total:	-,-
Knowledge or Content / SK: Skills / AB: Ab GJ290 [!] Proponer los objetivo mologías propias de su especia rendiz	SECONDAR	e un proy		adquirir y/o r			onocimiei	ntos de
GJ290 [!] Proponer los objetivo enologías propias de su especia	SECONDAR	e un proy	vecto que le permita	adquirir y/o r			onocimiei	ntos de
GJ290 [!] Proponer los objetivo nologías propias de su especia rendiz EARNING ACTIVITIES	SECONDAR	e un proy nes llega	recto que le permita n a la vanguardia de	adquirir y/o r el conocimien CH	to- y de		onocimiei	ntos de tegía de
GJ290 [!] Proponer los objetivo nologías propias de su especia rendiz EARNING ACTIVITIES arrying out/resolving projects/cha	SECONDAR os y la planificación de alidad,- que en ocasion	e un proy nes llega novide sol	recto que le permita n a la vanguardia de utions to problems in	adquirir y/o r el conocimien	to- y de	efinir u	onocimiei na estrat	ntos de tegía de
GJ290 [!] Proponer los objetivo nologías propias de su especia rendiz EARNING ACTIVITIES arrying out/resolving projects/cha terdisciplinary contexts, real and/	SECONDAR os y la planificación de alidad,- que en ocasion	e un proy nes llega novide sol	recto que le permita n a la vanguardia de utions to problems in	adquirir y/o r el conocimien CH 2 h.	to- y de	efinir u NCH	onocimiei na estrat TH	ntos de tegía de
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GJ290 [!] Proponer los objetivo nologías propias de su especia rendiz EARNING ACTIVITIES arrying out/resolving projects/cha terdisciplinary contexts, real and/o VALUATION SYSTEM eports on the completion of exerc omputer exercises, simulation exerc cercises, term projects, challenge - Class hours: 2 h. H - Non-class hours: 1 h. - Total hours: 3 h. GJ291 [!] Establecer las respon ciencia del equipo para el desat municativas	SECONDAR os y la planificación de alidad,- que en ocasion llenges/cases, etc. to pr or simulated, individuall cises, case studies, ercises, laboratory s and problems	e un proy nes llega rovide sol y and/or i W 100%	del equipo utilizand	adquirir y/o r el conocimien 2 h. 2 h. ANISMS (No mea nuous assessi (No mea nuous assessi o técnicas ad npartir recurs	to- y de	NCH I h. s) etake is s para	onocimien na estrat TH 3 h s not fores fomenta eas, habi	ntos de degía de seen. seen.
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exercises, term projects, challenges and problems

CH - Class hours: 2 h. NCH - Non-class hours: 1 h. TH - Total hours: 3 h.

RGJ293 [!] Redacta y estructura correctamente la me busca y hace uso de las fuentes de información adecu		proyecto, haciendo un i	uso correct	o del lenguaje	e. Para ello,
Dusca y nace uso de las ruentes de información adora	duas				
LEARNING ACTIVITIES			СН	NCH	тн
Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experin individually and/or in teams			2 h.	1 h.	3 h.
EVALUATION SYSTEM	w	MAKE-UP MECHANIS	MS		
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	100%	Comments: Revision a semester project	(No mecha and correctio	/	n report of the
CH - Class hours: 2 h. NCH - Non-class hours: 1 h. TH - Total hours: 3 h.					
RGJ294 [!] Realiza una presentación oral del proyect LEARNING ACTIVITIES	o argume	ntando de forma eficaz, ː	y haciendo сн	un uso corre NCH	cto del lenguaj тн
	ns, audiovi	sual material, etc. on			•••
LEARNING ACTIVITIES Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experir individually and/or in teams EVALUATION SYSTEM	ns, audiovia nental inve W	sual material, etc. on	СН 2 h.	ИСН	тн
LEARNING ACTIVITIES Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experir individually and/or in teams	ns, audiovia mental inve	sual material, etc. on estigations carried out	CH 2 h. SMS (No mecha	NCH 1 h. anisms)	<u>ТН</u> 3 h.
LEARNING ACTIVITIES Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experir individually and/or in teams EVALUATION SYSTEM Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory	ns, audiovia nental inve W	sual material, etc. on estigations carried out MAKE-UP MECHANIS	CH 2 h. SMS (No mecha	NCH 1 h. anisms)	<u>ТН</u> 3 h.
LEARNING ACTIVITIES Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experin individually and/or in teams EVALUATION SYSTEM Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems CH - Class hours: 2 h. NCH - Non-class hours: 1 h.	ns, audiovia nental inve W	sual material, etc. on estigations carried out MAKE-UP MECHANIS	CH 2 h. SMS (No mecha	NCH 1 h. anisms)	<u>ТН</u> 3 h.
LEARNING ACTIVITIES Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experin individually and/or in teams EVALUATION SYSTEM Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems CH - Class hours: 2 h. NCH - Non-class hours: 1 h.	ns, audiovia mental inve <u>w</u> 100%	sual material, etc. on estigations carried out <u>MAKE-UP MECHANIS</u> Comments: Continuou	CH 2 h. SMS (No mecha Is assessme	NCH 1 h. anisms) ent. Retake is r	TH 3 h.
LEARNING ACTIVITIES Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experir individually and/or in teams EVALUATION SYSTEM Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems CH - Class hours: 2 h. NCH - Non-class hours: 1 h. TH - Total hours: 3 h.	ns, audiovia mental inve <u>w</u> 100%	sual material, etc. on estigations carried out <u>MAKE-UP MECHANIS</u> Comments: Continuou	CH 2 h. SMS (No mecha Is assessme	NCH 1 h. anisms) ent. Retake is r	TH 3 h.

Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experin individually and/or in teams			7 h.	5 h.	12 h.
Personal study and flexible development of concepts and foster more meaningful learning	l subjects ι	using active dynamics, to	2 h.	5 h.	7 h.
Presentation by the teacher in the classroom, in participa procedures associated with the subjects	tory classe	es, of concepts and	10 h.	5 h.	15 h.
Practical work in workshops and/or laboratories, individua	ally and/or	in teams	17 h.	11 h.	28 h.
EVALUATION SYSTEM	W	MAKE-UP MECHANIS	MS		
Reports on the completion of exercises, case studies, 60% Presentation and defence of exercises, case studies,			dies, computer		

Reports on the completion of exercises, case studies, 6 computer exercises, simulation exercises, laboratory Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work,

40%

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exercises, term projects, challenges and problems Individual written and/or oral tests or individual coding/programming tests term projects, end of degree project, master's thesis, challenges and problems **Comments:** Final mark: written retake exam (75%) + exam (25%).

Laboratory practices will be made-up by on-going evaluation.

CH - Class hours: 36 h. NCH - Non-class hours: 26 h. TH - Total hours: 62 h.

			СН	NCH	ТН
Development and writing of records, reports, presentatic projects/work experience/challenges/case studies/exper ndividually and/or in teams			4 h.	3 h.	7 h.
Personal study and flexible development of concepts an oster more meaningful learning	d subjects	using active dynamics, to	2 h.	4 h.	6 h.
Presentation by the teacher in the classroom, in particip procedures associated with the subjects	atory class	es, of concepts and	6 h.	3 h.	9 h.
Practical work in workshops and/or laboratories, individu	ally and/or	r in teams	11,5 h.	5 h.	16,5 h.
EVALUATION SYSTEM	w	MAKE-UP MECHANIS	MS		
				r individual	

CONTENTS

1. ASSEMBLY OF INDUSTRIAL ELECTRONIC EQUIPMENT

2. EXECUTION OF ADJUSTMENT, PARAMETERIZATION AND PROGRAMMING OPERATIONS

3. VERIFICATION AND START-UP OF ELECTRONIC EQUIPMENT

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Topic related web quires	http://katalogoa.mondragon.edu/janium-bin/janium_login_opac_re_ln
Slides of the subject	k.pl?grupo=MECATRONICA22&ejecuta=45&_ST
Lab practical training	
Labs	
Moodle Platform	