



	[GOM2			ECHNIQUES			
				ORMATION	<b>-</b>		
Studies	DEGREE IN INDI	JSTRIAL ORGANIZ	ZATION	Subject	Techniques and	d Tools	
Semester	1	Course	3	Mention / Field of			
Character	COMPULSORY			specialisation			
Plan	2017	Modality	Adapted Face-to-face	Language	ENGLISH		
Credits	3	Hours/week 2	2.33	Total hours	42 class hours - hours	+ 33 non-class ho	ours = <u>75 tot</u>
			PROFES	SSORS			
EREÑO INC	CERA, ANA MON	SERRAT					
		REQUIF			GE		
	Subje				Knowl	-	
(No	o specific previous	subjects required)		•	No previous know	wledge required)	
			SKIL	LS			
ERIFICA SKILL	.S						
PECIFIC							
		eters in the supply on ational framework.		n efficient processes	for the supply,	storage and distri	bution of
				on proposed by defin	ing actions whic	h hinder the rean	pearance of
		g part in various wo					
			g and justifying	the conclusions and	solutions preser	nted therein and t	o communic
esent and share	e the information a	ppropriately.					
	age the key parar	neters in the value	chain for the eff	ective management	of industrial activ	vities and process	es or servic
ASIC							
CB4 - To be ab	le to communicate	e information, ideas	, problems and	solutions to both exp	ert and lay audi	ences	
NAEE LEARNII	NG RESULTS						ECTS
AE03 - Knowle e forefront of th		nding: Sufficient kno	owledge of their	branch of engineerir	ng, including son	ne knowledge at	0,45
	0 0	•		modelling and analy			0,3
-	• • •	•		s and ability to use th	iem.		0,39
		echnical and lab co	•	able methods and te	chaiguas and th	oir limitations	0,39 0,3
		: To work effectivel			chinques and th	en infinations.	0,39
	ersal competences			nunicate effectively	vith the enginee	ring community	0,39
		: Demonstrate that gement and unders		of entrepreneurial pl	actices and proj	ject management	, 0,39
						Tota	l: 3
			LEARNING				
			LEAKNING	RESULTS			
RG301 Assum	es responsibilitio	es in the work tear	n. organizing a	and planning the tas	sks to be devel	oped, facing the	contingend
		n of its members.		5		<b>J</b>	J
LEARNING AC	TIVITIES				СН	NCH	тн
Development, v	writing and present	tation of memorand	ums, reports, a	udiovisual material, e	etc.	2 h.	2 h.
Relating to proj	ects/POPBLs carr	ied out individually	or in teams				
EVALUATION	SYSTEM		W	MAKE-UP MECH	ANISMS		
	s, handed docume	e project, finished v ntation, presentatio			(No mech	nanisms)	
obtained results technical defen H - Class hour CH - Non-class							



Mondragon Unibertsitatea Goi Eskola Politeknikoa Escuela Politécnica Superior

TH - Total hours: 2 h.

LEARNING ACTIVITIES			СН	NCH	тн
LEARNING ACTIVITIES Development, writing and presentation of memorandums, rep Relating to projects/POPBLs carried out individually or in tear		al material, etc.		3 h.	3 h.
EVALUATION SYSTEM	<i>w</i> мак	E-UP MECHAN	IISMS		
Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence	100%		(No mech	anisms)	
H - Class hours: 0 h. CH - Non-class hours: 3 h. H - Total hours: 3 h.					
<b>RG304</b> Define the problem, develop the solution and pres ne of them in writing.	sent the conc	usions in a eff	icient manne сн	r, arguing and NCH	d justifying ea <i>TH</i>
Development, writing and presentation of memorandums, rep Relating to projects/POPBLs carried out individually or in tear		al material, etc.	3 h.		3 h.
EVALUATION SYSTEM	<i>w</i> мак	E-UP MECHAN	IISMS		
Technical skills, involvement in the project, finished work, <sup>1</sup> obtained results, handed documentation, presentation and technical defence	100%		(No mech	anisms)	
H - Class hours: 3 h					
H - Class hours: 3 h. CH - Non-class hours: 0 h. H - Total hours: 3 h.					
CH - Non-class hours: 0 h. H - Total hours: 3 h. RG305 Define the problem, develop the solution and pres ne of them in spoken form.	sent the conc	usions in a eff			
CH - Non-class hours: 0 h. H - Total hours: 3 h. RG305 Define the problem, develop the solution and pres ne of them in spoken form. LEARNING ACTIVITIES			СН	r, arguing and	d justifying ea TH 3 h.
CH - Non-class hours: 0 h. H - Total hours: 3 h. RG305 Define the problem, develop the solution and pres ne of them in spoken form.	ports, audiovisu		СН		тн
CH - Non-class hours: 0 h. H - Total hours: 3 h. RG305 Define the problem, develop the solution and pres ne of them in spoken form. LEARNING ACTIVITIES Development, writing and presentation of memorandums, rep Relating to projects/POPBLs carried out individually or in tear EVALUATION SYSTEM	oorts, audiovisu ms WMAK		CH 3 h. IISMS	псн	тн
CH - Non-class hours: 0 h. H - Total hours: 3 h. RG305 Define the problem, develop the solution and pres ne of them in spoken form. LEARNING ACTIVITIES Development, writing and presentation of memorandums, rep Relating to projects/POPBLs carried out individually or in tear EVALUATION SYSTEM	ports, audiovisu ms	al material, etc.	<u>СН</u> 3 h.	псн	тн



## Goi Eskola Politeknikoa | Mondragon Unibertsitatea Course: 2022 / 2023 - Course planning



					Superior
LEARNING ACTIVITIES			СН	NCH	ТН
Individual study and work, tests and evaluations and check points			6 h.	16 h.	22 h.
Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects			15 h.	6 h.	21 h.
Individual and/or team computer simulation practice			15 h.	6 h.	21 h.
EVALUATION SYSTEM	W	MAKE-UP MECHAN	IISMS		
Individual written and oral tests to assess technical skills of the subject	40%	Individual written and subject	d oral tests to	assess technic	cal skills of the
Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices	20%				
Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence	40%				
CH - Class hours: 36 h. NCH - Non-class hours: 28 h. TH - Total hours: 64 h.					

CONTENTS

Introduction: data, information, knowledge

Entity relationship diagram

Relational model

Ms Access

Data analysis tool

LEARNING RESOURCES AND BIBLIOGRAPHY	

Learning resources	Bibliography			
Subject notes	Access 2019 Bible [ Libro ] / Michael Alexander, Dick Kusleika			

Moodle Platform **Class presentations** Programmes