

Mondragon Unibertsitatea Goi Eskola Politeknikoa Escuela Politécnica Superior

		[GOH302		T MANAGEN	/IEN I				
		G	ENERAL IN	FORMATION					
Studies		OUSTRIAL ORGANI	ZATION	Subject	?				
Semester		Course	2	Mention / Field of					
	COMPULSORY	Course	3	specialisation					
	2022	Modality	Face-to-face	•	EUSKARA/CAS	TELL		NGUSH	
Credits		Hours/week			90 class hours				- 150 tot
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			2030 AGEN	DA GOALS					
IT WORK AND INC GROWTH INC GROWTH	NESPINISHE CHRISTINETIN AND PREDICTION								
			PROFE	SSORS					
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	EZ LOPEZ, MAID								
		REQUI	RED PREVIO		GE				
	Subj				Know	edae			
(No	-	s subjects required)		()	No previous kno		requir	ed)	
, · · ·			LEARNING				,	, 	
ARNING RESU						кс	SK	AB	ECTS
		of project managem	ent methodoloa	ies appropriate for th	eir application		x		5,08
sed on the chai	racteristics of the	context							
coming aware of pact of the prop	of respect for hum	nan rights and funda n the SDGs - to acq	imental rights, a uire and/or apply	and of gradual comp nd analyzing and ass basic, advanced an s and/or undertake fu	sessing the id/or		x		0,44
th a high degree RTR2 - To expre herent manner,	e of autonomy ess information, ic , orally and in writi	deas and the argum	ents that suppor y information, se	t them in an orderly, If-made or obtained	clear and		x		0,48
-	ntent / SK: Skills / AB:		0					Total:	6
NAEE LEARNI									ECTS
	edge and understa	anding: Sufficient kn	owledge of their	branch of engineerir	ng, including sor	ne kno	wledge	e at	1,82
ethod engineer	ing.		-	understanding in an					0,48
pecific requirem	ients.			development and cor s and ability to use th		cts wh	ich me	et	0,4 0,42
0	01 3	Technical and lab co		o and ability to use th					0,42
			•	able methods and te	chniques and th	eir limi	tations		0,78
		es: To work effective						•	0,42
			methods to com			ring co	mmuni	ity	0,42
				municate effectively v	with the enginee	0			
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projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams

EVALUATION SYSTEM	w	MAKE-UP MECHANISMS	
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	75%	(No mechanisms)	
Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems	25%		
CH - Class hours: 2 h. NCH - Non-class hours: 2 h. TH - Total hours: 4 h.			

1RGO391 (1 sem)

LEARNING ACTIVITIES Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experin individually and/or in teams		-	СН 2 h.	2 h.	<i>TH</i> 4 h.
EVALUATION SYSTEM	W	MAKE-UP MECHAN	ISMS		
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	75%		(No mech	anisms)	
Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems	25%				
CH - Class hours: 2 h. NCH - Non-class hours: 2 h. IH - Total hours: 4 h.					

RGO304 [!] APLICA las metodolgía de la gestión de proyecto único

LEARNING ACTIVITIES			СН	NCH	ТН
Personal study and flexible development of concepts and foster more meaningful learning	subjects	using active dynamics, to	7 h.	12 h.	19 h.
Conducting tests, giving presentations, presenting defenc checkpoints	es, taking	examinations and/or doing	5 h.		5 h.
Carrying out/resolving projects/challenges/cases, etc. to provide solutions to problems in interdisciplinary contexts, real and/or simulated, individually and/or in teams			18 h.	13 h.	31 h.
Computer simulation exercises, individually and/or in tean	ns		3 h.		3 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects			8 h.		8 h.
Carrying out exercises and solving problems individually a	and/or in t	eams	11 h.	10 h.	21 h.
Carrying out exercises and solving problems individually a	and/or in t <i>W</i>	eams MAKE-UP MECHANISM		10 h.	21 h.
			IS oral tests	-	21 h.
Carrying out exercises and solving problems individually a EVALUATION SYSTEM Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory	W	MAKE-UP MECHANISM	IS oral tests	-	21 h.





CH - Class hours: 52 h.

NCH - Non-class hours: 35 h.

TH - Total hours: 87 h.

1RGO392 (1 sem)

LEARNING ACTIVITIES			СН	NCH	тн
Development and writing of records, reports, presentation projects/work experience/challenges/case studies/experient individually and/or in teams			2 h.	1 h.	3 h.
EVALUATION SYSTEM	W	MAKE-UP MECHAN	ISMS		
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	75%		(No mech	nanisms)	
Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems	25%				
CH - Class hours: 2 h. NCH - Non-class hours: 1 h. IH - Total hours: 3 h.					

1RGO394 (1 sem) СН **NCH** ΤН LEARNING ACTIVITIES 6 h. 4 h. 2 h. Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams W **EVALUATION SYSTEM** MAKE-UP MECHANISMS 75% Reports on the completion of exercises, case studies, (No mechanisms) computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems Presentation and defence of exercises, case studies, 25% computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems CH - Class hours: 4 h. NCH - Non-class hours: 2 h. TH - Total hours: 6 h.

1RG0393 (1 sem)						
LEARNING ACTIVITIES			СН	NCH	тн	
Development and writing of records, reports, presentatior projects/work experience/challenges/case studies/experin individually and/or in teams			4 h.	2 h.	6 h.	
EVALUATION SYSTEM	W	MAKE-UP MECHAN	ISMS			
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	75%		(No mech	anisms)		



25%



Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems

CH - Class hours: 4 h. NCH - Non-class hours: 2 h. TH - Total hours: 6 h.

RG0303 [!] ARGUMENTA la utilización de las metodologías de gestión de proyectos adecuadas a cada caso teniendo en cuenta las características de los contextos monoproyecto y multiproyecto.

LEARNING ACTIVITIES			СН	NCH	ТН
Personal study and flexible development of concepts and subjects using active dynamics, to foster more meaningful learning			2 h.	1 h.	3 h.
Conducting tests, giving presentations, presenting defences, taking examinations and/or doing checkpoints					1 h.
Carrying out/resolving projects/challenges/cases, etc. to provide solutions to problems in interdisciplinary contexts, real and/or simulated, individually and/or in teams			3 h.	3 h.	6 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects			1 h.		1 h.
Carrying out exercises and solving problems individually a	and/or in te	eams	2 h.	2 h.	4 h.
EVALUATION SYSTEM	W	MAKE-UP MECHANISM	IS		
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	on exercises, laboratory coding/programming tests			or individual	

exercises, term projects, challenges and problems Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems	20%
Individual written and/or oral tests or individual coding/programming tests	60%
CH - Class hours: 9 h. NCH - Non-class hours: 6 h. TH - Total hours: 15 h.	

RG0305 [!] APLICA los conceptos y herramientas de la gestión de proyectos en entornos multiproyecto

LEARNING ACTIVITIES			СН	NCH	тн
Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams			3 h.	2 h.	5 h.
Personal study and flexible development of concepts and subjects using active dynamics, to foster more meaningful learning				4 h.	6 h.
Conducting tests, giving presentations, presenting defences, taking examinations and/or doing checkpoints					2 h.
Computer simulation exercises, individually and/or in teams			5 h.		5 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects			2 h.		2 h.
Carrying out exercises and solving problems individually a	and/or in te	eams	1 h.	4 h.	5 h.
EVALUATION SYSTEM	W	MAKE-UP MECHANISM	IS		
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	10%	Reports on the completion of exercises, case studies, compu exercises, simulation exercises, laboratory exercises, term projects, challenges and problems			
Individual written and/or oral tests or individual coding/programming tests	90%	Individual written and/or coding/programming test		or individual	





CH - Class hours: 15 h. NCH - Non-class hours: 10 h. TH - Total hours: 25 h.

CONTENTS

Management of a single project. Techniques and tools.1. Introduction: What is a project?2. Definition: Pr oject and objectives3. Project planning4. Project execution5. Project monitoring and control6. Project co mpletion and closure Multi-project environment management1. Multi-project environment: approach, approach and previous reflections.2. Main issues related to multi-project management.3. Key factors to consider i n the solution Project management using the critical chain method.1. Introduction to TOC and CCPM.2. Prob lems related to PM contexts (TOC perspective).3. Description and characteristics of the Systemic Model4. Planning of a single project5. Multi-project planning 6. Execution management7. Other aspects related to the method Agile Project Management1. Introduction to Agile PM2. Kanban3. Scrum

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
 [!] Apuntes de la asignatura [!] Artículos de carácter técnico [!] Proyección de videos [!] Transparencias de la asignatura [!] Consultas en páginas web relacionadas con el tema 	Project Management Body of Knowledge, Project Management Institute (2017) Wiley Guide, Managing Projects. Morris, P. & Pinto, J.K. (2004) The Oxford Handbook of Project Management. Morris, P. ; Pinto, J.K. & Söderlund (2012)
	La Meta: un proceso de mejora continua. Eliyahu M. Goldratt, Ed. Díaz de Santos, S.A. (1993)
	Cadena Crítica. Eliyahu M. Goldratt, Ed. Díaz de Santos, S.A. (2001)
	Project Management in the Fast Lane. Newbold, R.C., CRC Press (1998)
	Critical Chain Project Management (3rd edition). Leach, L.P.; Artech House, Inc., (2005)