

[MHJ201] PROJECT MANAGEMENT							
	GENERAL INF	ORMATION					
Studies UNIVERSITY MASTER IN INDUSTRIAL ENGINEERING		Subject ?					
Semester 1	Course 1	Mention / Field of					
Character COMPULSORY		specialisation					
Plan 2022	Modality Face-to-face	Language ENG	GLISH				
Credits 3	Hours/week 1.67	Total hours 30 o hou	class hours + 45 Irs	non-class	s hours :	= <u>75 total</u>	
PROFESSORS							
GORROÑO ALBIZU, LEIRE							
SARALEGUI ZALBIDE, EIDER							
REQUIRED PREVIOUS KNOWLEDGE							
Subje	Knowledge						
[!] Fundamentos de Gestión de Proyectos (No previous knowledge required)							
	LEARNING	RESULTS		011	4.5	5070	
LEARNING RESULTS MHRA09 - To demonstrate the abilit	ty to organize and direct companies		KC		AB	0,64	
MHRA16 - To demonstrate capacity	for the management of technologic	al Research, Developme	nt and	x		1,56	
Innovation MHRA27 - To demonstrate the abilit	ty to integrate knowledge and face th	ne complexity of formulat	ina	x		0,2	
judgments based on information that, being incomplete or limited, includes reflections on the social,							
health and safety, environmental, economic and industrial implications and responsibilities MHR 428 - To communicate your conclusions and the knowledge and ultimate reasons that support them					0.08		
to specialized and non-specialized audiences in a clear and unambiguous way					-,		
MHRA30 - To work with people, involving and directing them in a dynamic aimed at a common objective x 0,					0,28		
carried out and the characteristics that it requires (quality, deadlines,), assuming responsibility for the							
decisions made						0.24	
changing environments within broader (or multidisciplinary) contexts related to your area of study					0,24		
				-	Totalı —		
KC: Knowledge or Content / SK: Skills / AB:	Abilities				i oldi.	5	
ENAEE LEARNING RESULTS					ECTS		
ENA124 - Knowledge and comprehension: Deep knowledge and comprehension of the engineering disciplines of their speciality, at the level necessary to acquire the rest of the competencies of the degree.						0,43	
ENA127 - Analysis in engineering: Ability to analyse new and complex engineering products, processes and systems within a					0,43		
already established, as well as inne	ovative methods; and critically interp	bret the results of such an	na experimentai r nalyses.	netnoas			
ENA131 - Engineering projects: Ability to project, develop and design new complex products (parts, components, finished 0,43					0,43		
products, etc.), processes and systems with specifications defined incompletely and/or with conflicts, which require the integration of knowledge from different disciplines, and consider social health and safety, environmental, economic and							
industrial aspects; to select and ap	pply the appropriate methodologies c	or employ creativity to dev	velop new projec	t			
methodologies.						0.40	
ENA138 - Practical application of engineering: Complete knowledge of the applicable techniques and methods of analysis, project and research, as well as their limitations.					З,	0,43	
ENA143 - Practical application of engineering: Critical knowledge and comprehension of economic, organisational and management issues (such as project, risk and change management)						0,43	
ENA145 - Preparation of judgements: Ability to manage complex technical or professional activities or projects that require new approach approaches, assuming responsibility for the decisions made.					e	0,43	
ENA147 - Communication and Teamwork: Ability to operate effectively in domestic contexts as a member or leader of a team, which may be composed of people of different disciplines and levels, and who can use virtual communication tools.					0,43		
				т	otal:	3	
	CONT	ENTS					

Managing Project phases review:

- Definition
 Planning
 Execution
- Monitoring and control
 Closing





Fundamentals of Agile project management:

- 1. Basic of agile project management with SCRUM
- 2. Basic of agile project management with KANBAN

Fundamentals of managing multi-project environments:

- 1. Practice: The bead experiment
- 2. Basic of critical chain methodology

LEARNING RESOURCES AND BIBLIOGRAPHY				
Learning resources	Bibliography			
Moodle Platform Technical articles	Project Management Body of Knowledge. Project Management Institute (2017)			
Class presentations	Wiley Guide, Managing Projects. Morris, P. & Pinto, J.K. (2004)			
Slides of the subject	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. Días 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)			