

		Teachir	ng Guide		
Identifying Data 2024/25				2024/25	
Subject (*)	Industrial Innovation			Code	730497213
Study programme	Mestrado Universitario en Enxeñ	iaría Industrial (plan 2018)		
		Desc	riptors		
Cycle	Period	Ye	ear	Туре	Credits
Official Master's Degre	e 2nd four-month period	Fi	rst	Obligatory	3
Language	SpanishGalicianEnglish				
Teaching method	Face-to-face				
Prerequisites	Prerequisites				
Department Empresa					
Coordinador	Lamas Rodriguez, Adolfo		E-mail	E-mail adolfo.lamasr@udc.es	
Lecturers	Lamas Rodriguez, Adolfo		E-mail adolfo.lamasr@udc.es		
Web	www.gii.udc.es				
General description Xestión da Innovación. O plan estratéxico tecnolóxico. Identificación de ideas innovadoras. Financiamento da innovación.					
	Explotación dos resultados. O m	arco español pa	ara a innovaciór	۱.	

Code Study programme competences / results A16 EG8 - Capacity for the management of Research, Development and Technological Innovation. B1 CB6 - Possess and understand knowledge that provides a basis or opportunity to be original in the development and / or application of ideas, often in a research context. B2 CB7 - That students know how to apply the knowledge acquired and their ability to solve problems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their area of ??study. B3 CB8 - That students are able to integrate knowledge and face the complexity of making judgments based on information that, being incomplete or limited, includes reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments. B4 CB9 - That the students know how to communicate their conclusions -and the knowledge and ultimate reasons that sustain them- to specialized and non-specialized audiences in a clear and unambiguous way. B5 CB10 - That students have the learning skills that allow them to continue studying in a way that will be largely self-directed or autonomous. B6 G1 - Have adequate knowledge of the scientific and technological aspects in Industrial Engineering. B9 G4 - Conduct research, development and innovation in products, processes and methods. B12 G7 - Being able to perform general management, technical management and project management R & amp; D & amp; I functions in plants, companies and teknonology centers. <th></th> <th>Study programme competences / results</th>		Study programme competences / results
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societal context. C9 ABET (i) - A recognition of the need for, and an ability to engage in life-long learning.	C8	ABET (h) - The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and
C9 ABET (i) - A recognition of the need for, and an ability to engage in life-long learning.		societal context.
	C9	ABET (i) - A recognition of the need for, and an ability to engage in life-long learning.

Learning outcomes



Learning outcomes	Study programme		
	con	npetenc	es/
		results	
Capacity for the management of Research, Development and Technological Innovation.	AJ16	BJ1	CJ1
		BJ2	CJ3
		BJ3	CJ6
		BJ4	CJ7
		BJ5	CJ8
		BJ6	CJ9
		BJ9	
		BJ12	
		BJ13	
		BJ14	
		BJ15	
		BJ16	

	Contents
Торіс	Sub-topic
The following blocks or subjects develop the contents	Research, Development and Technological Innovation Programmes
established in the Verification Report file:	(R&D&I).
	R&D&I Management: Strategic Plan; Creativity and R&D&I
	Technology Watch, Project Management; Financing; R&D&I Assurance,
	R&D&I Exploitation.
	Emerging technologies in the industrial sector.

	Planning	9		
Methodologies / tests	Competencies /	Teaching hours	Student?s personal	Total hours
	Results	(in-person & virtual)	work hours	
Short answer questions	A16 B1 B2 B3 B4 B12	5	6	11
	B13 B15 B16 B6 B9			
	C1 C3 C6 C7 C8 C9			
Case study	A16 B1 B2 B3 B4 B5	10	34	44
	B12 B13 B14 B6 B9			
	C1 C3 C6 C7 C8 C9			
Supervised projects	A16 B1 B2 B3 B4 B5	5	15	20
	B12 B13 B14 B6 B9			
	C1 C3 C6 C7 C8 C9			
Personalized attention		0	0	0
(*)The information in the planning table is for guida	nce only and does not	take into account the l	neterogeneity of the stu	udents.

	Methodologies
Methodologies	Description
Short answer	The student will answer conceptual questions on the subject.
questions	
Case study	The lecturer will analyse and explain several research projects that the student will take as a reference to elaborate one or several group works.
Supervised projects	The work will be carried out in groups and will consist of the drafting of an R&D&I project.

Personalized attention



Methodologies	Description
Supervised projects	Personalised attention will be given during tutorial hours.
Case study	
	In the event that the student requests academic dispensation, the student will receive specific personalised attention via the
	moodle forum or email.

		Assessment	
Methodologies	Competencies /	Description	
	Results		
Short answer	A16 B1 B2 B3 B4 B12	The student will answer conceptual questions about the subject.	50
questions	B13 B15 B16 B6 B9	The student will have to pass this test in order to pass the subject.	
	C1 C3 C6 C7 C8 C9		
Supervised projects	A16 B1 B2 B3 B4 B5	The work will be done in a group and will consist of writing an R+D+i project.	50
	B12 B13 B14 B6 B9		
	C1 C3 C6 C7 C8 C9		

Assessment comments

First opportunity evaluation: a weighted mark will be calculated according to the weights indicated in the methodologies. All tests must be passed. Second chance assessment: the same criteria will be followed as for the first chance assessment.

Advance call: before the date of this call, the student will hand in the proposed work that has not been passed in previous calls.

All regulatory aspects related to ?academic dispensation?, ?dedication to the study?, ?permanence? and ?academic fraud? are governed by the current regulations of the UDC.

Sources of information		
Basic		
Complementary	- Henry Chesbrough (2003). Open Innovation: The New Imperative for Creating and Profiting from Technology. USA:	
	Harvard Business School Press Books	
	- Mary Jo Frederich, Peter Andrews. (2009). Innovation Passport: The IBM First-of-a-Kind (FOAK) Journey From	
	Research to Reality. USA: IBM Press	

Recommendations
Subjects that it is recommended to have taken before
Subjects that are recommended to be taken simultaneously
Subjects that continue the syllabus
Other comments
?Para axudar a conseguir un entorno inmediato sostenido y cumprir có obxetivo da acción número 5: ?Docencia e investigación saludable e
sustentable ambiental e social? do "Plan de Acción Green Campus Ferrol": A entrega dos traballos documentales que se realicen nesta materia: Se
solicitarán en formato virtual e/ou soporte informáticoSe realizará a través de Moodle, en formato dixital sen necesidade de imprimilosAdemás durante
o curso:Se debe facer un uso sostenible dos recursos y a prevención de impactos negativos sobre o medio naturalSe debe tener en conta a
importancia dos principios éticos relacionados cos valores da sostenibilidad nos comportamentos personales e profesionalesSe incorpora perspectiva

de xénero na docencia desta materia (se usará lenguaxe non sexista, se utilizará bibliografía de autores de ambos sexos, se propiciará a intervención en clase de alumnos e alumnas?)Se traballará para identificar e modificar prexuicios e actitudes sexistas, e se influirá no entorno para modificalos y fomentar os valores de respeto e igualdad.Se deberán detectar situacions de discriminación e se propondrán acciones e medidas para correxilas.



(*)The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.