		Teaching	g Guide				
	Identifyin	ng Data			2016/17		
Subject (*)	Prácticas Externas Code			610441021			
Study programme	Mestrado Universitario en Bioloxía Molecular , Celular e Xenética				<u>'</u>		
		Descri	iptors				
Cycle	Period	Ye	ar	Туре	Credits		
Official Master's Degree	e Yearly	Fir	st	Optativa	9		
Language	Spanish						
Teaching method	Face-to-face						
Prerequisites							
Department	Bioloxía Animal, Bioloxía Vexetal	e EcoloxíaBiolo	oxía Celular e M	olecularMedicinaPsicolox	кíа		
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Web	http://ciencias.udc.es/MBMCG/						
General description	Las prácticas externas constituye Coordina las practicas externas N				instituciones colaboradoras.		
	Aunque por defecto aparecen en	la aplicación co	omo profesorado	sólo los profesores que	tutorizaron prácticas en el curso		
	anterior, todos los profesores ofic	cialmente asocia	ados al Máster E	MCG pueden participar o	como tutores académicos de las		
	prácticas externas, además cada empresa designa para cada alumno a un tutor en la empresa.				presa.		
	External practices constitute a period of apprenticeship in companies and institutions .						
	Coordinates the external practices Esperanza Cerdán Villanueva.						
	Although only appear in the applic	cation as teach	ers those who pa	articipated in external pra	ctices in the previous year, all		
	teachers officially associated with	the Master BM	ICG can particip	ate as academic tutors of	external practices, and each		
	company appoints for each stude	ent a tutor in con	npany.				

	Study programme competences / results
Code	Study programme competences / results
A1	Skills of using usual techniques and instruments in the cellular, biological and molecular research: that are able to use techniques and
	instruments as well as understanding potentials of their uses and applications.
A2	Skills of working in a sure way in the laboratories knowing operation handbooks and actions to avoid incidents of risk.
А3	Skills of understanding the functioning of cells through the structural organization, biochemistry, gene expression and genetic variability.
A8	Skills of having an integrated view of the previously acquired knowledge about Molecular and Cellular Biology and Genetics, with an
	interdisciplinary approach and experimental work.
A13	Skills to become a professional in health, pharmacy, veterinary, animal production, biotechnology or food sectors.
B4	Organization and work planning skills: that are able to manage the use of the time as well as available resources and to organize the work
	in the laboratory.
В6	Skills of team work: that are able to keep efficient interpersonal relationships in an interdisciplinary and international work context, with
	respect for the cultural diversity.

B7	Personal progress skills : that are able to learn from freelance way, adapting to new situations, developing necessary qualities as the
	creativity, skills of leadership, motivation for the excellence and the quality.
C4	Skills of take place for the exercise of an open citizenship, highbrow, critic, committed, democratic and solidary, able to analyze the reality,
	diagnosing problems, formulating and to implement solutions based on the knowledge and oriented to common good.
C5	Understanding the importance of the enterprising culture and to know means within reach of enterprising people.
C6	Considering critically the knowledge, technologies and the available information to solve problems with which should face.
C7	Assuming as a professional and citizen the importance of the apprenticeship over the life.
C8	Considering the importance that the investigation has, the innovation and the technological development in the socioeconomic advance
	and cultural of the society.

Learning outcomes			
Learning outcomes	Study	/ progra	ımme
	con	npetenc	es/
		results	
External practices contribute to the training of students towards their subsequent professional integration and enable access to	AR1	BR4	CC4
learning techniques, protocols, skills and attitudes necessary for training and professional integration.	AR2	BR6	CC5
	AR3	BR7	CC6
	AR8		CC7
	AR13		CC8

	Contents
Topic	Sub-topic Sub-topic
Once each student has been assigned to a company /	
institution, the tutor in the company will prepare a descriptive	
plan of the practical work and methodology. This plan will also	
include the timetables for the implementation of practices and	
methods of supervision by the tutor of the company. There is	
a standard form available on the website of Master BMCG .	

Plannin	g		
Competencies /	Teaching hours	Student?s personal	Total hours
Results	(in-person & virtual)	work hours	
B7	3	0	3
A1 A8	0	98	98
A1 A2 A13 B4 B6 C4	90	0	90
C5 C6 C7 C8			
A1 A3 A8 C6 C8	2	30	32
	2	0	2
	Competencies / Results B7 A1 A8 A1 A2 A13 B4 B6 C4 C5 C6 C7 C8	Results (in-person & virtual) B7 3 A1 A8 0 A1 A2 A13 B4 B6 C4 C5 C6 C7 C8 A1 A3 A8 C6 C8 2	Competencies / Results

	Methodologies
Methodologies	Description
Introductory activities	Interview and presentation of training plan. The academic tutor will supervise the student practices and procedures as well as
	informs necessary for the realization of external practices.
Document analysis	Analysis of literature and protocols necessary for the implementation of practices and understanding of its various applications
	to the solution of problems and the development of ideas for innovation.
Laboratory practice	This methodology refers to practical work in the company / institution and its specific development for each case will be
	proposed by the tutor in the company.



Summary	The student will develop a memory in which techniques and procedures developed during their stay in the company are
	collected and their personal assessment of the application of this knowledge to solve problems related to the fields of
	application of the Master and its potential for business development . There is a type format available on the website of the
	Master.

	Personalized attention
Methodologies	Description
Introductory activities	The academic tutor will guide students in their choice of practical work and how to prepare and submit the written summary.
Summary	

		Assessment	
Methodologies	Methodologies Competencies / Description		Qualification
	Results		
Laboratory practice	A1 A2 A13 B4 B6 C4	The tutor in the company makes a report on the skills developed by the student.	50
	C5 C6 C7 C8		
Summary	A1 A3 A8 C6 C8	The student makes a report on the external practices that must be made ??with the	50
		approval of the company tutor and academic supervisor. There is a standard form of	
		memory that is available to students on the website of the Master .	
		The academic tutor assesses the report of the tutor in the company and the report	
		submitted by the student and in turn issued a report with a recommendation rating.	

Assessment comments

The overall process of assessing the PEX is based on three processes

- a) The report by the tutor of the company
- b) The report prepared by the academic tutor who assesses the report of the company tutor and memory prepared by the student
- c) The joint evaluation by the Commission of the Degree of the evidence collected in a) and b)

	Sources of information
Basic	Específico para cada actividade será indicado ao alumno polo titor da empresa.
Complementary	

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

(*)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.