Teaching Guide			
Identifying Data			2017/18
Subject (*)	Neurogenetics. dependence and disability	Code	652438011
Study programme	Mestrado Universitario en Psicoloxía Aplicada		

Descriptors				
Cycle	Period	Year	Type	Credits
Official Master's Degree	1st four-month period	First	Obligatoria	3

Language	SpanishGalicianEnglish		
Teaching method	Face-to-face		
Prerequisites			
Department	Psicoloxía		
Coordinador	Pasaro Mendez, Eduardo Jose	E-mail	eduardo.pasaro@udc.es
Lecturers	Pasaro Mendez, Eduardo Jose	E-mail	eduardo.pasaro@udc.es
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General description			

Study programme competences / results	
Code	Study programme competences / results
A1	To recognize and respect human diversity and to understand that psychological explanations may vary across populations and contexts.
A2	To identify the personal, psycho-social and / or educative factors that may put human health at risk.
A3	Being able to elaborate a scientific report which involves defining a research problem, the hypotheses and variables, and defining the design, the sample and its method of selection, the tools for collecting data and their subsequent analysis and discussion.
A12	To acquire a basic theoretical knowledge about the state of the art in the different areas involved in applied psychology.
A13	Knowing and being able to use the different models, theories, methods and assessment and intervention techniques that are specific of the different areas of research in Applied Psychology, and developing a critical attitude typical of the scientific spirit.

Learning outcomes			
Learning outcomes	Study programme competences / results		
Knowing the causes of type neuroxenético enrolled dependent or discapacidade	AR1 AR2 AR3 AR12 AR13		
Coñocer el sistema de la clasificación de la discapacidade	AR1 AR2		

Contents	
Topic	Sub-topic
1. Neurogenetics. overall rank	
2. The trinucleotide expansion.	
3. The deleccións and uniparental disomy. Genomic imprinting.	
4. Point mutations. Environmental considerations	
5. Genetically heterogeneous disease.	
6. Problems neurogenetics	
7. Disability and Dependency. Prevention Unit	

Planning				
Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student?s personal work hours	Total hours
Guest lecture / keynote speech	A1 A2 A8 A12 A13	10	20	30
Oral presentation	A12	10	10	20
Problem solving	A3 B13 C3	4	6	10
Objective test	A1 A2 A8 A12 A13 B13	5	0	5
Personalized attention		10	0	10
(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.				

Methodologies	
Methodologies	Description
Guest lecture / keynote speech	Master class
Oral presentation	Defense of a thesis
Problem solving	Troubleshooting neurogenetics
Objective test	Examined in a questionnaire

Personalized attention	
Methodologies	Description
Objective test Problem solving	Resolution of issues

Assessment			
Methodologies	Competencies / Results	Description	Qualification
Objective test	A1 A2 A8 A12 A13 B13	Solve a questionnaire. To pass the course must be approved test or objective test.	40
Oral presentation	A12	Defending a thesis	30
Problem solving	A3 B13 C3	Troubleshooting neurogenetics	30

Assessment comments

Sources of information	
Basic	COX, T.M. y SINCLAIR, J. (1998). Biología Molecular en Medicina. Madrid. Pannamericana. PLOMIN, R., DEFRIES, J.C. (2002) . Genética de la conducta. Madrid, Alianza. QUEREJETA-GONZÁLEZ M. (2004). Discapacidad/dependencia. Unificación de criterios de valoración y clasificación. Madrid: IMSERSO TALBOT J.A., HALES R.E., YUDOFSKY S.C. (1989). Tratado de Psiquiatría. Ed.Ancora. Barcelona CIE 10. Organización Mundial de la Salud. CIF. Clasificación Internacional del Funcionamiento, de la Discapacidad y de la Salud Normativa estatal e autonómica Lexislación estatal e autonómica sobre dependencia e discapacidad.
Complementary	Wang CS, Burke JR, Steffens DC, Hulette CM, Breitner JC, Plassman BL. Twin pairs discordant for neuropathologically confirmed Lewy body dementia. J Neurol Neurosurg Psychiatry. 2009 May;80(5):562-5. Santos SF, Pierrot N, Morel N, Gailly P, Sindic C, Octave JN. Expression of human amyloid precursor protein in rat cortical neurons inhibits calcium oscillations. J Neurosci. 2009 Apr 15;29(15):4708-18. Wang CS, Burke JR, Steffens DC, Hulette CM, Breitner JC, Plassman BL.Twin pairs discordant for neuropathologically confirmed Lewy body dementia.J Neurol Neurosurg Psychiatry. 2009 May;80(5):562-5. Santos SF, Pierrot N, Morel N, Gailly P, Sindic C, Octave JN. Expression of human amyloid precursor protein in rat cortical neurons inhibits calcium oscillations.J Neurosci. 2009 Apr 15;29(15):4708-18.

Recommendations
Subjects that it is recommended to have taken before
Subjects that are recommended to be taken simultaneously
Biopsychology/652438010 Psychological well-being/652438015
Subjects that continue the syllabus
Other comments
Conocimientos previos de contenidos de Psicobiología, especialmente de Genética de la conducta

(*)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.