



Teaching Guide

Teaching Guide				
Identifying Data				2018/19
Subject (*)	Biopsychology		Code	652438010
Study programme	Mestrado Universitario en Psicoloxía Aplicada			
Descriptors				
Cycle	Period	Year	Type	Credits
Official Master's Degree	1st four-month period	First	Obligatory	3
Language	Spanish			
Teaching method	Face-to-face			
Prerequisites				
Department	Psicoloxía			
Coordinador	Fernandez Garcia, Rosa Maria		E-mail	rosa.fernandez@udc.es
Lecturers	Fernandez Garcia, Rosa Maria		E-mail	rosa.fernandez@udc.es
Web				
General description				

Study programme competences

Code	Study programme competences
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.
A7	Knowing to track on a case by choosing appropriate and realistic objectives.
A8	To know the basis for hypotheses establishment with respect to a particular case, and from them to deduce contrastable statements.
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.
A18	To show an ethical and professional compromise with respect to civic, social and global responsibilities.
B1	Capacity for analysis and synthesis.
B2	Capacity for organization and planning.
B3	Teamwork.
B6	Critical thinking.
B8	Autonomous learning.
B10	Motivation for quality.
B11	Troubleshooting.
C1	To express oneself, both orally and in writing, in the official languages of the autonomous region.
C2	To dominate the expression and understanding of a spoken and written foreign language.
C3	Using the basic tools of information and communication technologies (ICT) necessary for the exercise of the profession and for lifelong learning.
C6	To critically assess the knowledge, technology and information available to solve the problems they face.
C7	To assume as professionals and citizens the importance of lifelong learning.
C8	Assessing the importance of research, innovation and technology development in the socio-economic and cultural progress of society.

Learning outcomes

Learning outcomes	Study programme competences
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G1, G2, G3, G6, G8, G10	AR2 AR7 AR12 AR18	BR1 BR2 BR3 BR6 BR8	CC1 CC3 CC6 CC7
G1, G2, G3, G6, G8, G10	AR2 AR3 AR7 AR12 AR18	BR1 BR6 BR8	
G1, G2, G3, G6, G8, G10	AR1 AR2 AR3 AR7 AR12 AR18	BR1 BR2 BR3 BR6 BR8 BR11	CC3 CC6 CC7
E1,E2,E3,E7,E8,E12,E13,E18,E19	AR1 AR2 AR3 AR7 AR12 AR18	BR1 BR2 BR3 BR6 BR8 BR11	CC1 CC2 CC3 CC6 CC8
E1,E2,E3,E7,E8,E12,E13,E18,E19	AR1 AR2 AR3 AR12 AR18	BR1 BR2 BR3 BR6 BR8	CC1 CC2 CC3 CC6 CC7 CC8
E1,E2,E3,E7,E8,E12,E13,E18,E19	AR1 AR12 AR13 AR18	BR1 BR2 BR3 BR6	CC1 CC3 CC6 CC7 CC8
N1, N3, N4, N6, N7, N8	AR1 AR12 AR18	BR1 BR2 BR3 BR6 BR8 BR10	CC1 CC3 CC6 CC8
N1, N3, N4, N6, N7, N8	AR1 AR8 AR12 AR13	BR1 BR2 BR3 BR6 BR8	
N1, N3, N4, N6, N7, N8	AR1 AR12 AR13	BR1 BR2 BR3 BR6 BR8	



Contents	
Topic	Sub-topic
ESTRUCTURA Y FUNCION CEREBRAL	- ORGANIZACIÓN GENERAL DEL SISTEMA NERVIOSO - PROTECCIÓN DEL SISTEMA NERVIOSO - ANATOMÍA GENERAL DEL SISTEMA NERVIOSO
NEURONAS Y NEUROTRANSMISIÓN	- CÉLULAS DEL SISTEMA NERVIOSO. - LAS NEURONAS Y LA NEUROGLIA - BASES ELECTROQUÍMICAS DEL POTENCIAL NEURONAL - EL POTENCIAL DE ACCIÓN - LA SINAPSIS
DESARROLLO DEL SISTEMA NERVIOSO	- FASES DEL DESARROLLO NEURAL - DESARROLLO CEREBRAL POSTNATAL EN BEBES HUMANOS - EFECTOS DE LA EXPERIENCIA EN EL DESARROLLO DE LOS CIRCUITOS NEURALES - TRASTORNOS DEL DESARROLLO NEURAL
ALTERACIONES DEL SN DEBIDAS AL ESTRÉS DURANTE LA INFANCIA TEMPRANA	- PLASTICIDAD CEREBRAL - ESTRUCTURAS CEREBRALES AFECTADAS POR EL ESTRÉS TEMPRANO - ALTERACIONES COGNITIVAS Y PROBLEMAS ESCOLARES
LA ENCEFALITIS LETÁRGICA	- BASE BIOLÓGICA - EL SÍNDROME DE TOURETTE - EL PARKINSON

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Oral presentation		1	10	11
Document analysis		1	4	5
Workbook		1	24	25
Guest lecture / keynote speech		6	12	18
Objective test		2	10	12
Personalized attention		4	0	4

(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies	
Methodologies	Description
Oral presentation	Elaboración y exposicion de un trabajo, individual o en grupo, relacionado con el programa
Document analysis	Análisis de los últimos avances científicos mediante la búsqueda bibliográfica
Workbook	Bibliografía relacionada con los temas de la asignatura
Guest lecture / keynote speech	Clases magistrales acompañadas de medios y recursos didácticos
Objective test	50 preguntas cortas, con respuestas verdadero-falso

Personalized attention	
Methodologies	Description
Document analysis Workbook Oral presentation	Resolución de dudas, orientación bibliográfica, preparación de trabajos, preparación práctica de laboratorio, etc

Assessment



Methodologies	Competencies	Description	Qualification
Objective test		preguntas tipo test	40
Document analysis		Busqueda y análisis de trabajo de investigación	20
Workbook		Bibliografía recomendada	20
Oral presentation		Trabajo personal sobre un tema	20

Assessment comments

?

La calificación será el
resultado de los siguientes factores:

?

Asistencia y participación a
las clases teóricas y prácticas, y especialmente a estas últimas (hasta un 10%
de la calificación final)

?

Calidad de los trabajos
tutelados o proyectos de investigación (planificación, elaboración, redacción y
análisis de conclusiones) (hasta un 50% de la calificación
final)

?

Examen final (escrito) (hasta
un 40% de la calificación final)

?

Evaluación
de otras actividades formativas empleadas, hasta completar la calificación
total

Sources of information

Basic

- J P J Pinel (2007). Biopsicología. PEARSON EDUCACION SA
- Kolb Whishaw (2006). Neuropsicología humana. panamericana
- gazzaniga y otros (2006). psychological science. ww norton and company
- P J Corr (2008). Psicología Biologica. McGraw-Hill Interamericana
- Sacks, Oliver (2005). Despertares. Anagrama
- Sacks, Oliver (2005). El hombre que confundió a su mujer con un sombrero. Anagrama
- Penny Marshall (1990). Despertares. Pelicula

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.