		Teaching Guide			
	Identifying	Data			2022/23
Subject (*)	Psychopharmacology			Code	652438013
Study programme	Mestrado Universitario en Psicoloxía Aplicada				
		Descriptors			
Cycle	Period	Year		Туре	Credits
Official Master's Degre	e 2nd four-month period	First		Obligatory	3
Language	SpanishGalician	SpanishGalician			
Teaching method	Face-to-face				
Prerequisites					
Department	Psicoloxía				
Coordinador	Laffon Lage, Blanca E-mail blanca.laffon@udc.es				
Lecturers	Laffon Lage, Blanca E-mail blanca.laffon@udc.es			c.es	
Web					
General description	In this subject the student will learn	the neurophysiologica	l basis of p	sychopharmacotherap	y, the pharmacokinetic and
	pharmacodynamic aspects underlying the pharmacological action, and the main groups of psychodrugs and their				
	therapeutic use.				

	Study programme competences / results
Code	Study programme competences / results
A2	To identify the personal, psycho-social and / or educative factors that may put human health at risk.
А3	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.
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.
A16	To acquire the knowledge and skills necessary for the exposition and defence of a research paper.
B1	Capacity for analysis and synthesis.
B2	Capacity for organization and planning.
В3	Teamwork.
B5	Skills in interpersonal relations.
B6	Critical thinking.
B8	Autonomous learning.
B15	Ability to work with an interdisciplinary team.
B16	Ability to communicate with non-experts in the field.
C1	To express oneself, both orally and in writing, in the official languages of the autonomous region.
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	, progran	nme
	con	npetence	s/
		results	
Learning the neurophysiological basis of psychodrugs action.			
Learning the features and main factors affecting each one of the pharmacokinetic processes.			

Learning the general action mechanisms of psychodrugs, the utility of the dose-response curves, and the factors involved in	AR2		
the interindividual variability to psychodrug response.	AR12		
Learning the main groups of psychodrugs, their action mechanisms and their clinical applications.	AR2		
	AR7		
	AR12		
Learning the stages in new psychodrug development.	AR12		CC7
			CC8
Skills to express in scientific language and comunicate in an effective manner.	AR3		CC1
	AR13		CC6
Working in group in a collaborative manner.		BR2	CC3
		BR3	
		BR5	
		BR6	
		BR8	
		BR15	
Skills for speaking in public.	AR16	BR1	
		BR2	
		BR16	

	Contents
Topic Sub-topic	
I. Introduction	1. Neurophysiological bases of psychopharmacology: cell neurophysiology,
	interneuron communication, psychopharmacotherapy principles.
II. Pharmacology	2. Essential concepts in Pharmacology.
	3. Pharmacokinetics: absorption, distribution, metabolization and excretion processes.
	4. Pharmacodynamics: drug mechanisms of action, dose-response curves,
	pharmacologic response variability.
III. Psychodrugs	5. Psycholeptic drugs: hipnotic drugs, anxyolitic drugs, antipsychotic drugs.
	6. Psychoanaleptic drugs: antidepressant drugs, mood stabilizers, psychostimulating
	drugs, nootropes.
	7. Psychodysleptic drugs.
IV. Advances	8. Development of new psychodrugs.

	Planning	g		
Methodologies / tests	Competencies /	Teaching hours	Student?s personal	Total hours
	Results	(in-person & virtual)	work hours	
Guest lecture / keynote speech	A2 A12 B6 B8 C6 C7	16	28	44
	C8			
Problem solving	A2 A7 A13 B1 B6 B8	2	2	4
	C3 C6			
Supervised projects	A3 A16 B1 B2 B3 B5	0	20	20
	B15 C1 C3 C8			
Seminar	A16 B1 B3 B5 B6 B15	2	3	5
	B16 C1			
Mixed objective/subjective test	A2 A12 B1 B6 C1	1	0	1
Personalized attention		1	0	1

(*)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	The teacher will introduce the programme contents with the aid of multimedia stuff. She will answer the questions raised by the students.
Problem solving	Practical session dealing with solving problems related to different topics addressed in this subject.
Supervised projects	Supervised projects carried out by groups of students about a topic proposed by the teacher. Personalized attention will be given in order to provide support and orientation on the contents to be included in each project. The files corresponding to each project and its presentation will be delivered through Moodle before the fixed deadline. Later, all projects will be available in Moodle.
Seminar	Bibliographic seminar: students will present their projects. Then a debate on the topic of their presentation will be conducted.
Mixed objective/subjective test	At the end of the programme, an exam consisting of short answer and/or test-type questionnaire will be conducted.

	Personalized attention
Methodologies	Description
Supervised projects	Part-time students: materials used in lectures, and any other useful material, will be available in Moodle. Deadlines for
	supervised projects and questionnaires will be the same than for regular students, and will be specified in Moodle.
	Upon students' request, personalized attention will be given in order to provide support and orientation on the contents to be
	included in each project, to answer questions, and to help for developing specific, basic and transversal study programme
	competencies.

		Assessment	
Methodologies Competencies / Description		Qualification	
	Results		
Guest lecture /	A2 A12 B6 B8 C6 C7	Regular attendance and participation will be evaluated, only if the student pass the	8.75
keynote speech	C8	exam.	
Seminar	A16 B1 B3 B5 B6 B15	Attendance is mandatory to present the supervised project. For students with	0
	B16 C1	attendance exemption, the supervised project will be presented by MS Teams.	
Supervised projects	A3 A16 B1 B2 B3 B5	It is mandatory to carry out a supervised project in group (providing there are enough	40
	B15 C1 C3 C8	students). Marks obtained will be the same for all group members. It will be evaluated	
		only if the students pass the exam.	
Problem solving	A2 A7 A13 B1 B6 B8	Attendance and participation will be evaluated, only if the student pass the exam.	1.25
	C3 C6		
Mixed	A2 A12 B1 B6 C1	Exam: short answer and/or test-type questionnaire. For tudents not attending the	50
objective/subjective		lectures and problem solving seminar due to attendance exemption, this exam will	
test		represent 60% of the total marks. It is mandatory to pass this exam for passing the	
		whole subject.	

Assessment comments

Rquirements to pass the subject: to deliver and present the supervised project, to obtain a minimum of 50% marks in the exam, and to obtain a minimum of 50% marks in the total subject.

Second oportunity evaluation: students must deliver and present a supervised project (in case they did not do it before) and conduct the exam.

The fraudulent performance of the tests or evaluation activities

will imply a failure grade '0' in the subject in the corresponding oportunity,

thus invalidating any grade obtained in all the evaluation activities for the

extraordinary oportunity.

	Sources of information
Basic	Brunton, L.L.; Lazo, J.S.; Parker, K.L. (2007) Goodman & Gilman Las bases farmacológicas de la terapéutica.
	México D.F.: McGraw-Hill Interamericana.Cabrera Bonet, R.; Mencías Rodríguez, E.; Cabrera Forneiro, J. (1993)
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	Masson.Gómez-Jarabo, G. (2007) Farmacología de la conducta. Manual básico para psicoterapeutas y clínicos.
	Madrid: Síntesis.Janicak, P.G.; Davis, J.M.; Preskorn, S.H.; Ayd, F.J. Jr.; Marder, S.R.; Pavuluri, M.N. (2006)
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	Sáez, J.A. (2017) Los alucinógenos. Serie ¿Qué sabemos de? Madrid: CSIC-Catarata.Pöldinger, W. (1984)
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	psicofármacos y nunca se atrevió a preguntar. Madrid: Aulamédica.Salazar, M.; Peralta, C.; Pastor, J. (2005)
	Tratado de psicofarmacología. Bases y aplicación clínica. Madrid: Panamericana. Schaztberg, A.F.; Nemeroff, C.B.
	(2006) Tratado de psicofarmacología. Barcelona: Masson Elsevier.Snyder, S.H. (1992) Drogas y cerebro. Barcelona:
	Prensa Científica. Stahl, S.M. (2002) Psicofarmacología esencial. Bases neurocientíficas y aplicaciones clínicas.
	Barcelona: Ariel.Zarranz, J.J. (2011) Neurofarmacología contemporánea. Barcelona: Elsevier.
Complementary	Bayés, R. (1977) Iniciación a la farmacología del comportamiento. Barcelona: Fontanella.Bear, M.F.; Connors, B.W.;
	Paradiso, M.A. (1998) Neurociencia. Explorando el cerebro. Baltimor: Williams & Drivenson Ortiz, M.F. (2008)
	Psicofarmacología para psicólogos. Madrid: Síntesis.Carlson, N.R. (2006) Fisiología de la conducta (8ª Edición).
	Madrid: Pearson Educación.Mulder, G.J.; Dencker, L. (2006) Pharmaceutical Toxicology. Scarborough:
	Pharmaceutical Press.Pies, R.W. (2000) Manual de psicofarmacología básica. Barcelona: Masson.Pinel, J.P.J. (2007)
	Biopsicología. Madrid: Pearson Educación.Raviña Ruvira, E. (1987) Introducción al diseño de fármacos. Santiago de
	Compostela: Servicio científico Roche.Rosenzweig, M.R.; Leiman, A.L.; Breedlove, S.M. (2001) Psicología Biológica.
	Barcelona: Ariel.Salazar, M.; Peralta, C.; Pastor, J. (2005) Guía de estudio del Tratado de psicofarmacología. Madrid:
	Panamericana. Sanjuán, J. (2016) ¿Tratar la mente o tratar el cerebro? Hacia una integración entre psicoterapia y
	psicofármacos. Bilbao: Desclée de Brouwer S.A.

Recommendations
Subjects that it is recommended to have taken before
psychology/652438010
Subjects that are recommended to be taken simultaneously
Subjects that continue the syllabus
Other comments
mouter skills (user level) are recommended in order to use the Moodle platform and prepare the supervised project and its presentation -English

-Computer skills (user level) are recommended in order to use the Moodle platform and prepare the supervised project and its presentation.-English language is recommended, in order to read the bibliographic stuff.-In order to contribute to a sustainable environment and fulfil the objectives of the Faculty of Education Sciences Environmental Declaration, in the frame of the Green Campus, documents prepared for this subject must be delivered in digital format. In case of using paper: Plastics must not be used. Printing must be both sides. Recycled paper must be used. Draft printing must be avoided.



(*)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.