

## SUBJECT TEACHING GUIDE

452 - General Aspects of Neurobiology

Master's Degree in Mental Health Research

Academic year 2024-2025

1. IDENTIFYING DATA					
Degree	Master's Degree in Mental Health Research			Type and Year	Compulsory. Year 1
Faculty	Faculty of Medicine				
Discipline	Subject Area: General Aspects of Neurobiology Compulsory Module				
Course unit title and code	452 - General Aspects of Neurobiology				
Number of ECTS credits allocated	9	Term	Semester based (1)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Online Training

Department	DPTO. FISILOGIA Y FARMACOLOGIA
Name of lecturer	MARIA ELENA CASTRO FERNANDEZ
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Other lecturers	MARIA ANGELES ROS LASIERRA MARIA DOLORES DELGADO VILLAR MARIA DEL MAR SAN MARTIN DIEZ DE TERAN ALVARO MARCELINO DIAZ MARTINEZ MONICA TRAMULLAS FERNANDEZ NOEMI RUEDA REVILLA CAROLINA ALONSO GONZALEZ ALICIA VERONICA GONZALEZ CABEZA REBECA VIDAL CASADO CARLOS IGNACIO LORDA DIEZ ANA VICTORIA VILLAR RAMOS MARIA FUENCISLA PILAR CUELLAR JORGE E. ORTEGA CALVO ALBERT ADELL CALDUCH ANNA CASTAÑE ANALIA BORTOLOZZI BIASSONI IVAN MANUEL VICENTE

### 3.1 LEARNING OUTCOMES

- Acquiring a basic knowledge in anatomy, histology, neurophysiology, neurochemistry and pharmacology of the central nervous system (CNS) and the structure-function relationship.

### 4. OBJECTIVES

To introduce novel students into the principles of mental health research by reviewing topics related with structure and function of the CNS, at biochemical, molecular and cellular levels.

6. SUBJECT PROGRAM	
CONTENTS	
1	Anatomy, embryology and histology
2	CNS neurophysiology
3	Molecular basis of signaling in the CNS
4	Functional neurochemistry of cell signaling
5	Neuronal plasticity
6	Pharmacology

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Multiple-choice questions, short-answer questions and problems.	Activity evaluation with Virtual Media	No	No	15,00
Participation and involvement in collaborative work.	Work	No	No	20,00
Participation in forums.	Others	No	No	13,00
Student's portfolio.	Work	No	Yes	7,00
Exam	Written exam	No	Yes	45,00
TOTAL				100,00
Observations				
Activities (15% )				
Final exam type test (40%)				
Observations for part-time students				
N/A				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
En cada tema se incluye una sección de bibliografía específica.