

## SUBJECT TEACHING GUIDE

M2048 - Neurodevelopment

Master's Degree in Mental Health Research

Academic year 2022-2023

1. IDENTIFYING DATA			
Degree	Master's Degree in Mental Health Research	Type and Year	Optional. Year 1
Faculty	Faculty of Medicine		
Discipline	Subject Area: Introduction to Biomedical Research		
Course unit title and code	M2048 - Neurodevelopment		
Number of ECTS credits allocated	4	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	SALVADOR MARTINEZ PEREZ

### 3.1 LEARNING OUTCOMES

- Know the cellular and molecular mechanisms involved in brain development. To establish spatio-temporal relationships of the main processes involved in the development and maturation of the brain and its main functions.

### 4. OBJECTIVES

Know the main cellular and molecular processes that occur during the development of the central nervous system. Know the pathophysiological relationships between developmental disorders and mental illness.

## 6. COURSE ORGANIZATION

### CONTENTS

1	Morphogenesis
2	Synaptogenesis
3	Construction of neural circuits and connectome

## 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	25,00
Student's portfolio	Others	No	No	10,00
Final exam	Written exam	No	Yes	50,00
<b>TOTAL</b>				<b>100,00</b>
Observations				
N/A				
Observations for part-time students				
N/A				

## 8. BIBLIOGRAPHY AND TEACHING MATERIALS

### BASIC

Los distintos profesores participantes irán proporcionando la bibliografía básica y documentación apropiada a lo largo del desarrollo de este curso virtual.