

SUBJECT TEACHING GUIDE

472 - Neurodevelopment

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	Optional. Year 1
Faculty	Faculty of Medicine				
Discipline	Subject Area: Introduction to Biomedical Research				
Course unit title and code	472 - 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. SUBJECT PROGRAM

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
TOTAL				100,00
Observations				
N/A				
Observations for part-time students				
N/A				

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

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