



NEURAL BASIS OF BEHAVIOUR AND NEUROPSYCHOLOGY

Enrollment year	2020/2021
Academic year	2021/2022
Regulations	DM270
Academic discipline	M-PSI/02 (PSYCHOBIOLOGY AND PHYSIOLOGICAL PSYCHOLOGY)
Department	DEPARTMENT OF BIOLOGY AND BIOTECHNOLOGY "LAZZARO SPALLANZANI"
Course	NEUROBIOLOGY
Curriculum	PERCORSO COMUNE
Year of study	2°
Period	2nd semester (01/03/2022 - 14/06/2022)
ECTS	6
Lesson hours	48 lesson hours
Language	Italian
Activity type	WRITTEN AND ORAL TEST
Teacher	BIELLA GERARDO ROSARIO (titolare) - 6 ECTS
Prerequisites	= The contents of the courses of Neurobiology
Learning outcomes	=This course defines the neural bases of different behavioural processes.
Course contents	1) Methods in cognitive neurosciences. 2) Learning and memory in Aplysia: cellular mechanisms and neuronal circuits 3) Non associative and associative learning 4) Spatial learning 5) Declarative memory in mammals 6) Procedural memory 7) Emotion 8) EEG rhythms 9) Neural control of food and liquid intake 10) Sleep and wake cycle 11) Selective attention and spatial attention 12) Mirror neurons 13) Sexual and parental behaviour 14) Language
Teaching methods	=Lectures and seminars

**Recommeneded or required
readings**

- Principi di Neuroscienze - Kandel
- Fondamenti di Fisiologia - Ediermes 2018
- Fisiologia del comportamento - Carlson - Piccin

Il cervello e la mente - Watson - Zanichelli

Reviews

=Written test + oral examination

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