

TEACHING GUIDE Neuroanatomy and Neuroscience

COURSE OUTLINE		
Name of the subject: Neuroanatomy and Neuroscience		
Module: Biological bases of behavior		
Code number: 202310208	Curriculum year: 2010	
Type: Compulsory	Academic course: 2021-22	
ECTS Credits: 6	Year: 2º	Semester: 1º
Language of clases: English		

TEACHING STAFF INFORMATION				
Coordinator: Andrés Molero Chamizo				
Department: Clinical and Experimental Psychology				
Knowledge area: Psychobiology				
Office number: 31	Mail: andres.molero@dpsi.uhu.es		Phone: 959218478	
URL Web: <u>Andrés Molero-Chamizo (researchgate.net)</u>				
Office hours first semester:				
Monday	Tuesday	Wednesday	Thursday	Friday
19.30-21.30	17.30-19.00		19.00-21.30	
Office hours second semester:				
Monday	Tuesday	Wednesday	Thursday	Friday
OTHER TEACHING STAFF:				
Name and surname:				
Department:				
Knowledge area:				
Office number:	Mail:		Phone:	
URL Web:				
Office hours first semester:				
Monday	Tuesday	Wednesday	Thursday	Friday
Office hours second semester:				
Monday	Tuesday	Wednesday	Thursday	Friday

CLASSES HOURS

Monday	Tuesday	Wednesday	Thursday	Friday
15.30-17.30				
17.45-19.45				

SUBJECT DESCRIPTION

PRE-REQUISITES AND RECOMENDATIONS:

No apply

BASIC COMPETENCES

It is advisable, but not necessary, to have minimum knowledge of biology

TRANSVERSE COMPETENCES

Psychology and biology

LEARNING OUTCOMES:

This course is aimed to describe the anatomy and functions of the nervous system. Demonstrate an understanding of the main brain structures and neural functions are considered relevant learning outcomes. The main learning outcome is the knowledge about the anatomy of the central nervous system and its functions.

TEACHING METHODOLOGY

Learning and teaching activities	Hours	Presence percentage
Lecture hours	33	100%
Supervised practical workshop	12	100%
Independent learning hours	105	0%
Other	0	

CONTENTS

Topic 1: Nervous system: meninges, the ventricular system and production of cerebrospinal fluid

Topic 2: The central nervous system: the forebrain, the midbrain, the hindbrain, the spinal cord

Topic 3: The peripheral nervous system: spinal nerves, cranial nerves, the autonomic nervous system

Topic 4: Communication between neurons: structure of synapses, release of the neurotransmitter, activation of receptors, postsynaptic potentials

Topic 5: Neurotransmission systems: sites of chemical action, effects on production of neurotransmitters, store and release of neurotransmitters, receptors, and reuptake or destruction of neurotransmitters

BIBLIOGRAPHY

Carlson, Neil R. Foundations of Physiological Psychology. 6th edition, 2005. Pearson: NY.

ASSESSMENT

Written exam will account 80% of the total mark of this subject. The exam will have multiple choice questions (between 20-30 questions). Wrong answers will rest 1/2 of the value of a correct answer. Students will have 2 hours to complete the exam.

Final results will be given in terms of a numerical scale between 0 and 10 (including tenths), with the corresponding qualitative ratings below:

- ≤4.9: Fail (D)
- 5.0 - 6.9: Pass (C)
- 7.0 - 8.9: Pass with Merit (B)
- 9.0 - 10: Maximum rating, or Distinction (A)

The total number of distinctions cannot exceed 5% of the students enrolled in the subject in the academic year (unless the number of students enrolled is lower to 20, in which case one distinction can be awarded)

The grading system is subject to the Bachelor's Degree Exam Regulations of the University of Huelva (Normativa de Evaluación para las Titulaciones de Grado de la Universidad de Huelva). Please refer to:

http://www.uhu.es/sec.general/Normativa/Texto_Normativa/Normativa_de_Evaluacion_grados.pdf

In particular, please note that make-up exams other special circumstances will be subject to article 19 of these regulations.'

The remaining 20% of the subject will be measured by different classroom activities in which students will work with the contents of this course.