



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Psicologiche, Pedagogiche, dell'Esercizio Fisico e della Formazione
ACADEMIC YEAR	2016/2017
BACHELOR'S DEGREE (BSC)	PSYCHOLOGICAL SCIENCES AND TECHNIQUES
SUBJECT	PHYSIOLOGICAL PSYCHOLOGY
TYPE OF EDUCATIONAL ACTIVITY	A
AMBIT	50111-Fondamenti della psicologia
CODE	06094
SCIENTIFIC SECTOR(S)	M-PSI/02
HEAD PROFESSOR(S)	OLIVERI MASSIMILIANO Professore Ordinario Univ. di PALERMO
OTHER PROFESSOR(S)	
CREDITS	9
INDIVIDUAL STUDY (Hrs)	165
COURSE ACTIVITY (Hrs)	60
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	1
TERM (SEMESTER)	1° semester
ATTENDANCE	Not mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	OLIVERI MASSIMILIANO Friday 10:00 12:00 Stanza TEAMS con codice alx3rxb

DOCENTE: Prof. MASSIMILIANO OLIVERI

PREREQUISITES	Basic knowledge of physics, mathematics and chemistry. In particular, it is critical a good knowledge of cellular biology.
LEARNING OUTCOMES	Acquisition of basic language and terminology of psychological physiology. Ability to recognize the main neuroanatomical structures. Comprehension of physiological mechanisms of neural transmission. Knowledge of the neural correlates of cognitive and mental functions.
ASSESSMENT METHODS	written test (30 questions, 1 point per correct answer). Preliminary written test after 1.5 months.
EDUCATIONAL OBJECTIVES	Promote the ability to analyze the relations between behavior, mental functions and brain structure, through the integration of biology, physiology and psychology.
TEACHING METHODS	frontal lessons and lab training
SUGGESTED BIBLIOGRAPHY	Bear M. F., Connors B. W., Paradiso M. A., Neuroscienze: esplorando il cervello. Milano: Masson

SYLLABUS

Hrs	Frontal teaching
9	Functional neuroanatomy
3	Neuronal excitability at rest
3	The action potential
3	Synaptic transmission
2	Neurotransmitters
9	Vision
6	Auditory and vestibular system
3	Somatosensory system
2	Spinal control of movement
3	Cortical control of movement
4	Motivation
3	Neural correlates of emotions
3	Brain rhythms and sleep
6	Basic neuropsychology

Hrs	Workshops
1	Experimental neuropsychology