



# UNIVERSITÀ DEGLI STUDI DI PALERMO

<b>DEPARTMENT</b>	Biomedicina, Neuroscienze e Diagnostica avanzata		
<b>ACADEMIC YEAR</b>	2019/2020		
<b>BACHELOR'S DEGREE (BSC)</b>	SPEECH THERAPY		
<b>INTEGRATED COURSE</b>	NEUROSCIENCES - INTEGRATED COURSE		
<b>CODE</b>	08543		
<b>MODULES</b>	Yes		
<b>NUMBER OF MODULES</b>	2		
<b>SCIENTIFIC SECTOR(S)</b>	MED/26, MED/39		
<b>HEAD PROFESSOR(S)</b>	SALEMI GIUSEPPE	Professore Associato	Univ. di PALERMO
<b>OTHER PROFESSOR(S)</b>	SALEMI GIUSEPPE	Professore Associato	Univ. di PALERMO
	TRIPPI GABRIELE	Professore Associato	Univ. di PALERMO
<b>CREDITS</b>	6		
<b>PROPAEDEUTICAL SUBJECTS</b>	84205 - ANATOMY 03347 - PHYSIOLOGY		
<b>MUTUALIZATION</b>			
<b>YEAR</b>	2		
<b>TERM (SEMESTER)</b>	2° semester		
<b>ATTENDANCE</b>	Mandatory		
<b>EVALUATION</b>	Out of 30		
<b>TEACHER OFFICE HOURS</b>	<p><b>SALEMI GIUSEPPE</b> Friday 12:00 14:00 Via del Vespro 143</p> <p><b>TRIPPI GABRIELE</b> Monday 10:00 12:00 Si consiglia di concordare attraverso mail: gabriele.tripi@unipa.it . SEDE: Dipartimento Universitario PROSAMI - Via Cardinale Rampolla 3. Palermo</p>		

DOCENTE: Prof. GIUSEPPE SALEMI

<b>PREREQUISITES</b>	Basic knowledge of the principles of anatomy, functional anatomy and development of the nervous system.
<b>LEARNING OUTCOMES</b>	<p><b>LEARNING EXPECTED RESULTS:</b></p> <p><b>KNOWLEDGE AND UNDERSTANDING:</b> Knowledge of the general principles of Neurology. Knowledge of the importance of integrity of various neurological functions and systems; the importance of cognitive and motor functions and their implications in nervous system diseases. In order to verify the achievement of this goal, specific questions will be provided in the final tests. The student will have to know the processes involved in the individual's mental and physical development, the causes that interfere on the path of maturation different disease patterns, methods of adaptation of the nervous system.</p> <p><b>CAPACITY 'of APPLIED KNOWLEDGE and UNDERSTANDING:</b> Students will learn to manage with history of symptoms in the presence of a neurological disorder in order to understand the possible involvement of the systems connected to the functions of understanding, creation and production of language in relation to different diseases potentially responsible for disorders' speech. They will be able to conduct the diagnostic technique most suitable in relation to the type of observed impairment to link a symptom to the corresponding syndrome, the topography of a specific deficit and the correct diagnosis. They will also be able to assess the accuracy and relevance of diagnostic methods in relation to the demographic and clinical characteristics of an individual. The student also must have acquired theoretical knowledge, scientific and professional in the field of clinical symptoms management, methodology, treatments, and rehabilitation used in the field of neurological disorder to be able to take care of patients with neurological diseases.</p> <p><b>JUDGEMENT</b> Ability to apply their knowledge appropriately in different contexts during the elaboration of a specific therapeutic project.</p> <p><b>ENABLE 'COMMUNICATION</b> The student must demonstrate to know to expose the ways in which interact with the patient, and how to manage with the various structures who take charge of the therapeutic project.</p> <p><b>OBJECTIVES OF MODULE:</b> At the end of the course, students should be able to: - have acquired the basic knowledge needed to recognize certain symptoms and functional impairment from neurological diseases more frequently observed in clinical practice; - to know the main clinical and instrumental investigation methods and understand the clinical-diagnostic significance – to know the basic principles for a correct diagnostic and functional framework to ensure adequate programming of a rehabilitation project.</p>
<b>ASSESSMENT METHODS</b>	<p>Oral examination. Evaluation will be based on the following criteria:</p> <p>Excellent (A-A+); 30 or 30 cum laude: Excellent knowledge of teaching content; the student demonstrates high analytic-synthetic capacity and is able to apply the knowledge to solve problems of high complexity</p> <p>Very good 27-29: Excellent knowledge of teaching content and excellent properties of language; the student demonstrates analytical-synthetic capacity and able to apply the knowledge to solve problems of medium complexity and, in some cases, even high</p> <p>(C) Good: 24-26; Good knowledge of teaching content and good properties of language; the student is able to apply the knowledge to solve problems of medium complexity.</p> <p>Satisfactory (D): 21-23; Good knowledge of teaching content, in some cases limited to the main topic; acceptable ability to use the specific language of the discipline and independently apply the knowledge acquired.</p> <p>Sufficient (E): 18-20. Minimal knowledge of teaching content, often limited to the main topic; modest ability to use the specific language of the discipline and independently apply the knowledge acquired.</p> <p>Fail (F): The student does not have an acceptable knowledge of the main teaching content; very little or no ability to use the specific language of the discipline and independently apply the knowledge acquired.</p>
<b>TEACHING METHODS</b>	Formal lessons

**MODULE  
CHILD NEUROPSYCHIATRY**

*Prof. GABRIELE TRIPI*

**SUGGESTED BIBLIOGRAPHY**

Al termine del ciclo di lezioni verranno messi sul sito UNIPA gli stampati delle presentazioni in power point utilizzati . Verranno altresì fornite referenze bibliografiche tratte da riviste specializzate della comunità scientifica internazionale e giudicate pertinenti agli obiettivi formativi del modulo.

<b>AMBIT</b>	10330-Scienze della logopedia
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

**EDUCATIONAL OBJECTIVES OF THE MODULE**

To know general clinical concepts of child development. To know neurodevelopmental features and the symptomatology of the most child neuro-psychiatric disorders. To get theoretical and practical knowledge for the most child neuro-psychiatric disorders rehabilitation treatments. To get methodological and instrumental skills for evaluation and therapy for the most child neuro-psychiatric disorders.

**SYLLABUS**

<b>Hrs</b>	<b>Frontal teaching</b>
2	The central nervous system development; plasticity brain factors
2	The child neuro-psychiatric assessment
4	The cognitive development- Mental delay
2	Neurodevelopmental psychopathology
3	The autistic spectrum disorders; clinical and developmental profiles
2	The assessment tools for the autistic spectrum disorders
2	Global interventions for autistic spectrum disorders
2	Movement disorders
3	The infant cerebral palsy; assessment and rehabilitation of oral-pharyngeal motor system
2	Genetics syndromes
2	Epilepsy
2	Language and communication
2	Language disorders

## MODULE NEUROLOGY

Prof. GIUSEPPE SALEMI

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La parte "Neurologia" del "CECIL trattato di medicina interna" può valere come riferimento analitico per le malattie neurologiche, fornendo una indicazione delle malattie neurologiche più rilevanti e del relativo "peso" per quanto riguarda l'approfondimento.

Tuttavia ai fini della preparazione dell'esame, e come testo di consultazione successivo, si consiglia di utilizzare uno dei trattati classici di Neurologia consigliati. Tra questi:

FAZIO - LOEB: "Neurologia " Soc. Ed. Universo

ADAMS - VICTOR: " Principi di Neurologia " McGraw Hill,

ADAMS –VICTOR – ROPPER : "Principles of Neurology" McGraw Hill, 1997

MANFREDI- "Neurologia" UTET,1994

CAMBIER et al. "Neurologia" Masson,1998

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Knowledge of the general principles of

Neurology. Knowledge of the importance of integrity of various neurological functions and systems; the importance of cognitive and motor functions and their implications in nervous system diseases. In order to verify the achievement of this goal, specific questions will be provided in the final tests. The student will have to know the processes involved in the individual's mental and physical development, the causes that interfere on the path of maturation different disease patterns, methods of adaptation of the nervous system.

## SYLLABUS

Hrs	Frontal teaching
3	Lessons will be distributed as follows: Clinical and methodological approach to the study of Neurology; motor function
3	Sensorial function, cranial nerves, postural control
2	Physiopathology of vision
2	Physiopathology of extrapyramidal system
5	Cortical syndromes
2	Cerebrospinal fluid physiopathology, coma
3	Cerebrovascular diseases
4	neurodegenerative diseases
3	infectious diseases of the nervous system
3	immune mediate diseases of the nervous system