

COURSES OFFERED IN ENGLISH

Code	Subject	Professor	Hours/ week	SEMESTER	ECTS	Course SYLLABUS
SLT0011	Specific Developmental Learning Disabilities	Dr. Zakopoulou, V.	3	[Autumn semester]	5	The course refers to the multidisciplinary procedures applied for the identification of SDDL in terms of diagnosis and re-education; attempts to highlight the role of dysfunctions of one or more biological, neurological, cognitive, psycho-emotional or linguistic factors and their relationship with SDDL; finally, introduce students with specific diagnostic methods and standardized remediation programmes.
SLT0021	Cognitive Psychology	Dr. Zakopoulou, V.	3	[Spring semester]	5	The main axes of the course are the following: <ul style="list-style-type: none"> <li>• The description of the main theoretical principles of cognitive psychology and particular cognitive mechanisms of memory, perception, language and learning, in determining their influence on other developmental processes, such as learning and neurophysiological, psycho-emotional development and behaviour.</li> <li>• The investigation of the potential of these cognitive mechanisms and general cognitive functions in the emergence of developmental or acquired disorders.</li> </ul>
SLT0031	Audiology	Dr. Ziavra, N.	3	[Autumn semester]	5	The course includes: anatomy and physiology of the ear and hearing, hearing assessment which involves the use of a number of specialized tests which help to ascertain the site or type of problem within the auditory system. These tests include mainly pure tone audiometry, tympanometry, speech audiometry, otoacoustic emissions, auditory brainstem responses (ABR), auditory steady state responses (ASSR), vestibular evoked potentials (VEMPs), electro-video-nystagmography. Hearing loss, evaluation, causes, diagnosis, differential diagnosis and treatment. Most important otological and audiological diseases and their treatment, syndromes and aural rehabilitation. Use of hearing aids and cochlear implants is also analyzed. Students will have the opportunity to practice at our laboratory in all the above specialized tests in the field of audiology and neuro-otology.

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SLT0041	Otorhinolaryngology: Anatomy, physiology and pathology	Dr. Ziavra, N.	3	[Spring semester]	5	<p>An overview of the anatomy of the ear, nose, and throat along with an explanation of how these structures are connected. Physiology of deglutition.</p> <p>The aim of the course is to educate students and provide them with knowledge of the role of otorhinolaryngology in a general pathology, to acquaint students with diseases, clinical symptoms, current diagnostics, treatment and prophylaxis in ENT and to give necessary skills in the clinical examination of the ENT organs.</p> <p>Throughout the course students will master:</p> <ul style="list-style-type: none"> <li>• Clinical anatomy of external, middle and internal ear, age peculiarities and their role in the development of ear diseases and complications; physiology of the hearing and vestibular system; examination methods of the ear; radiological examination; complications of ear diseases, treatment.</li> <li>• The clinical anatomy, physiology, investigation methods of nose and paranasal sinuses. Diseases, their complications, treatment.</li> <li>• Clinical anatomy, physiology of the oral cavity and the pharynx. Examination methods, diseases, their complications, treatment.</li> <li>• Clinical anatomy, physiology, examination methods of the larynx, diseases, their complications, treatment. Anatomy of the trachea and esophagi, examination methods, foreign bodies, chemical burns.</li> </ul>
SLT0051	Neuroanatomy – neurophysiology	Dr. Nasios, G.	3	[Autumn semester]	5	<ul style="list-style-type: none"> <li>• Introduction to nervous system.</li> <li>• The neuron as structural and functional unit of nervous system.</li> <li>• The neural junction, the neurotransmitters and the neurotransmission.</li> <li>• Neuroglia cells Q astrocyttes, oligodendrocytes, microglia and their functional role.</li> <li>• The spinal cord Q structure and function. The spinal reflexes.</li> <li>• Structural anatomy of the brain : regions, ventricles, meninges, and the cerebrospinal fluid.</li> <li>• The arterial supply of the brain. Arteries and the circle of Willis.</li> <li>• Cerebral cortex and cerebral hemispheres : Sulci, fissures, lobes, anatomic boundaries, grey and white matter structures.</li> <li>• Functional neuroanatomy and neurophysiology of cerebral hemispheres.</li> <li>• The neural tracts : pyramidal, somatosensory, visual, acoustic ...</li> <li>• Functional neuroanatomy of speech, language and communication.</li> <li>• Functional neuroanatomy of eating and swallowing.</li> </ul>

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SLT0061	Behavioural Neurology	Dr. Nasios, G.	3	[Spring semester]	5	<ul style="list-style-type: none"> <li>• Behavioral neuroanatomy : Large scale networks, association cortex and hemispheric specializations.</li> <li>• The limbic system.</li> <li>• Neuropsychological assessment of mental state.</li> <li>• Confusional states, parietal lobe syndromes and neglect syndromes.</li> <li>• The frontal syndromes.</li> <li>• Memory and amnesia.</li> <li>• Disorders of complex visual processing.</li> <li>• Temporolimbic Epilepsy and Behavior.</li> <li>• Ageing, Alzheimer's disease and dementia.</li> </ul>
SLT0071	Clinical Methods in Speech and Language Pathology	Nissioti, M.	3	[Autumn semester]	5	General principles of therapeutic intervention for communicative disorders of both children and adults. Programming, selection of therapy targets, termination of therapy. Behavior modification, types of reinforcement. Session design, dynamics of therapy. Data collection, treatment efficacy. Therapeutic intervention for articulation and phonology, cleft palate, hearing impairment, developmental language disorders, adult aphasia, apraxia, fluency and voice. Client and family counseling.
SLT0081	Assessment Methods in Speech - Language Pathology	Nissioti, M.	3	[Spring semester]	5	Assessment and diagnosis of communication problems of both children and adults. Classification of the developmental and of the adult speech and language disorders, disorders of fluency, voice, hearing, neurologically based communicative disorders. Explanation and application of internationally well known standardized tests for the relative assessment.
SLT0091	Multimedia Applications in educational & clinical settings	Dr. Toki, E.	3	[Autumn semester]	5	This course focuses on how multimedia can be used in educational and clinical settings. Multimedia is broadly defined as learning from verbal and visual material. Students are introduced to multimedia principles, design and learning theories (cognitive - constructivist). Additional issues such as aspects of technological innovations, media selection, collaboration, social media and evaluation will be addressed. Along with understanding the mechanisms of multimedia learning, students work on how to support their own concept for a multimedia project with software tools.
SLT0101	Technology in Speech and Language Pathology	Dr. Toki, E.	3	[Spring semester]	5	This course focuses on the introduction to technology issues that will allow speech pathologists to better assist the speech disabled. Students are introduced to the fundamentals of digital speech technology. Various speech technologies are presented and specific applications are discussed along with social factors and case studies.

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SLT0111	Health Psychology	Dr. Siafaka, V.	3	[Autumn semester]	5	The course refers to the psychological, social and cultural dimensions of health and disease. Presents the biopsychosocial model and is focused on the interaction between biological, behavioural, psychological and social factors that affect the development and process of an illness. Particular items are: the interaction between stress and health, the correlation between personality and health, the experience of a chronic and /or a threatening illness (cancer, MS), the psychological issues that may arise in the terminal care patients, the types of communication between health professionals and patients and the burnout syndrome.
SLT0121	Child's and adolescent's psychopathology	Dr. Siafaka, V.	3	[Spring semester]	5	The course is focused in the distinction of normal and abnormal behaviour in childhood and presents the clinical characteristics, the etiology and the treatment of developmental disorders like the Autism and the Asperger Syndrome. Also presents the fundamentals of mental disorders of childhood and adolescence as the Deficit Attention - Hyperactivity disorder (ADHD), the anxiety disorders, the depression, the schizophrenia, the sleep disorders and the nutrition disorders.