



Advanced Master's Degree Clinical Neuropsychology and Neuroeducation

» Modality: online» Duration: 2 years

» Certificate: TECH Global University

» Credits: 120 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/psychology/advanced-master-degree/advanced-master-degree-clinical-neuropsychology-neuroeducation

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Neuropsychology is based on the natural scientific method to approach the study of the brain. Through the combination of the hypothetico-deductive and analytical-inductive methods the professionals of this discipline develop the therapeutic intervention both in individuals with congenital or supervening brain lesions, as well as in individuals without lesions.

This Advanced Master's Degree has two distinct but highly complementary areas of study. On the one hand, clinical neuropsychology and, on the other hand, neuroeducation. The objective of the first of these areas is to give the psychologist a mastery of the neurological and biochemical mechanisms that occur in mental illness and health. For its part, neuropsychology in education aims to teach professionals in the brain aspects that influence education and learning.

The understanding of the chemical and anatomical structures involved in each of the processes within the field of health and also mental disorders, provides a global vision necessary for true mastery in the discernment of the human being, which joins the broad spectrum of intervention in specialization to give a comprehensive knowledge of the subject. The relationship of brain biochemistry and limbic structures with basic emotions, as well as the way in which the reticular system affects our behavior and consciousness, are essential topics of this educational program.

Additionally, psychologists will be able to enjoy 10 unique *Masterclasses*, designed by a renowned international specialist in Clinical Neuropsychology. Thanks to the advice of this expert, professionals will be able to keep up to date with the latest findings in the evaluation and care of people affected by brain injuries.

We will not only take you through the theoretical knowledge we offer, but we will introduce you to another way of studying and learning, one which is simpler, more organic, and efficient. We will work to keep you motivated and to develop your passion for learning, helping you to think and develop critical thinking skills.

This Advanced Master's Degree in Clinical Neuropsychology and Neuroeducation contains the most complete and up-to-date scientific program on the market. The most important features include:

- The latest technology in online teaching software
- The teaching system intensely visual, supported by graphic and schematic contents that are easy to assimilate and understand
- Practical cases presented by practicing experts
- State-of-the-art interactive video systems
- Teaching supported by remote education
- Continuous updating and retraining systems
- Autonomous learning: full compatibility with other occupations
- Practical exercises for self-evaluation and learning verification
- Support groups and educational synergies: questions to the expert, discussion forums and knowledge
- Communication with the teacher and individual reflection work
- The availability of access to the contents from any fixed or portable device with an Internet connection
- Databases of supplementary materials are permanently available, even after completing the program



Update your skills in Clinical Neuropsychology with the guidance of a leading international expert. You'll access 10 world-class Masterclasses!"



An educational program created for professionals who aspire for excellence, and that will enable you to acquire new skills and strategies easily and effectively"

The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn in real situations.

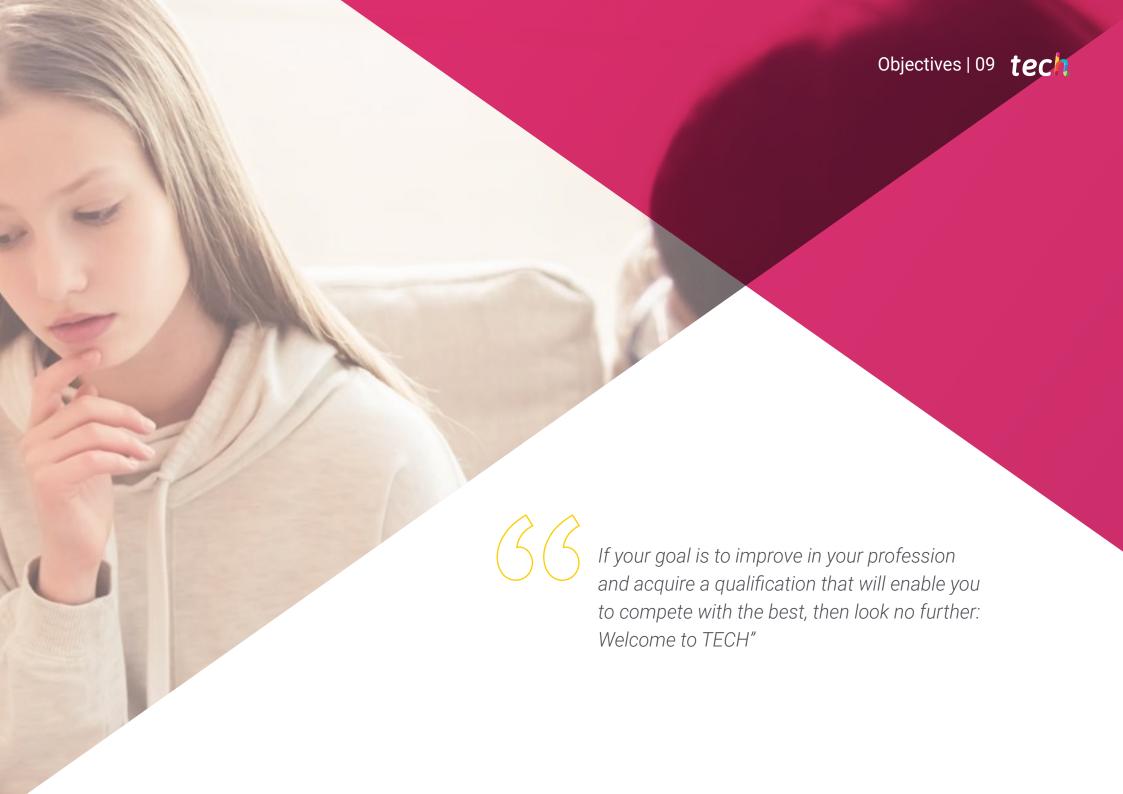
This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

A deep and comprehensive dive into strategies and approaches in Clinical Neuropsychology and Neuroeducation.

The sensory systems of the human being studied from the neuropsychologist's point of view, with a view to intervention and improvement.







tech 10 | Objectives



General Objectives

- Describe the overall working of the brain and the biochemistry that activates or inhibits it
- Use brain activity as a map for mental health disorders
- Describe the brain-mind relationship
- Develop knowledge of the technology which can cause changes in the brain in order to overcome mental illnesses
- Describe the most common neurological disorders in psychological behavior
- Describe the relationship between the central nervous system, the endocrine system and immune systems
- Understand current psychopharmacology and integrate this knowledge into psychological tools that can improve mental illness
- Qualify professionals for the practice of neuropsychology in education in the development of children and young people
- Learn how to carry out specific programs to improve school performance
- Access the forms and processes of research in neuropsychology in the school environment
- Increase the capacity for work and autonomous resolution of learning processes
- Study the attention to diversity from the neuropsychological approach.
- Learn about the different ways to implement enrichment systems for learning methodologies in the classroom, especially aimed at diverse students
- Analyze and integrate the knowledge necessary to foster student's school and social development



Specific Objectives

Module 1. Basis of Neurosciences

- Describe the functioning of the nervous system
- Explain the basic anatomy of structures related to learning
- Define the basic physiology of learning-related structures
- Identify the main brain structures related to motor skills
- Define the plastic brain and neuroplasticity
- Explain the effects of environment on brain development
- Describe the changes in the infant's brain
- Explain the evolution of the adolescent brain
- Define the characteristics of the adult brain

Module 2. Developmental Neuropsychology

- Identify the concepts between Coaching, Neuroscience, Neurolearning, basic learning devices, multiple intelligences, movement and learning, Neurodidactics, and play within the educational fields
- Know the functioning of the brain and its structures
- Establish the concepts of learning and the different levels, styles, types, and competences of learning
- Relate the Basic Learning Devices and Executive Functions in the development of activities
- Know the multiple forms of intelligence and the feasibility of implementing them in the educational field
- Recognize the importance of play as a tool for Neurodidactics and Learning
- Implement Movement and Learning exercises in the classroom as learning sessions
- Relate Coaching with Neuroscience and the empowerment it generates in students
- Determine clearly the way to refer students

Module 3. Principles of Neuroanatomy

- Know the origins and the evolutionary process of the nervous system
- Obtain a general vision on the formation of the nervous system
- Know the fundamental basics of Neuroanatomy

Module 4. Introduction to Neuropsychology

- Learn the basic concepts of neuropsychology
- Know the methods of evaluation and the fundamentals of research in neuropsychology
- Explore the development of the nervous system and its relationship to neurological disorders
- Understand the structure and function of the nervous system at the cellular and molecular levels

Module 5. Functional Neuroanatomy

- Understand the main functions of the brain lobes and their subdivisions
- Analyze how lesions in different areas of the frontal lobe affect thinking and behavior
- Explore how lesions in the motor cortex influence the control and execution of movements
- Understand brain asymmetry and its impact on cognitive and emotional functions

Module 6. Cognitive Functions

- Understand the neurobiological bases underlying attention
- Explore the neurobiological bases underlying language
- Research the neurobiological basis of sensory perception
- Understand the neurobiological basis of visuospatial perception

Module 7. Brain Injury

- Analyze the effects of early brain injury on neuropsychological development
- Explore the disorders caused by vascular problems in the brain
- Become familiar with epileptic disorders and their neuropsychological implications
- Understand alterations in the level of consciousness and their neuropsychological consequences

Module 8. Aphasias, Agraphias and Alexias

- Understand the characteristics and causes of Broca's aphasia
- Analyze the characteristics and causes of Wernicke's aphasia
- Explore the characteristics and causes of Conduction Aphasia
- Understand the characteristics and causes of Global Aphasia
- Become familiar with the characteristics and causes of the different Aphasias, Agraphias and Alexias

Module 9. Neurodegenerative Diseases

- Analyze how cognitive reserve affects aging and mental health
- Explore different neurological disorders, such as Multiple Sclerosis and Amyotrophic Lateral Sclerosis
- Know the main characteristics of movement disorders such as Parkinson's disease
- Understand the aging process and its effects on cognition

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Module 10. Neuroeducation

- Define the principles of Neuroeducation.
- Explain the main neuromyths.
- Explain strategies for early stimulation and interventions.
- Define the theory of attention.
- Explain emotion from a neurological point of view.
- Explain learning from a neurological point of view.
- Explain memory from a neurological point of view.

Module 11. Visual and Auditory Functionality for Reading, Language, Languages and Learning

- Learn about the characteristics and development of the organs of sight
- Detect, evaluate and intervene in the classroom with visually impaired students
- Acquire the ability to work for the improvement of visual perception
- Become familiar with vision and reading skill training programs
- Study the saccadic models
- Develop characteristics and development of the organs of the ear
- Learn about the risk factors
- Identify ways to detect, evaluate and intervene in the classroom with hearing impaired students
- Acquire the ability to work for the improvement of hearing
- Know the psychobiological aspects of hearing loss
- Develop the necessary skills to make curricular adaptations in this area
- Study all the implications of visual and auditory impairment in developing literacy

Module 12. Motricity, Laterality and Writing

- Delve into the relationship between learning and neurodevelopment in the educational field
- Study aspects related to gross and fine psychomotor skills
- Know the relationship between motor skills and the psyche and its developmental implications
- Study laterality in relation to the development of cognitive abilities
- Develop the different degrees of evolution in the evolutionary lateral stages
- Learning the different motor disorders from their impact on learning
- Unravel all aspects of the reading acquisition process
- Learn to intervene in possible difficulties related to learning in the classroom: dysgraphia, dyscalculia, dyslexia
- Develop intervention models for prevention, development and learning difficulties in the school environment
- Develop communication and relationship skills with fathers, mothers and families

Module 13. Intervention in High-Capacity Individuals

- Know the integrated diagnostic model and its phases
- Know the comorbidities that usually accompany the spectrum of high-capacity individuals
- Differentiate between manifestations or symptoms that could be related to high capacity and symptoms that could be related to the presence of disorders
- Organize the decision-making process based on initial diagnoses
- Propose specific lines of action for educational intervention
- Analyze the lines of intervention proposed at family and personal levels based on case studies assessing their impact

Module 14. Multiple Intelligences, Creativity, Talent and High Abilities

- Learn all aspects related to the theory of multiple intelligences and their assessment
- Learn the neuropsychological basis of creativity and its development in the educational context
- Know the possibilities of working in the area of high abilities.

Module 15. Dyslexia, Dyscalculia and Hyperactivity

- Incorporate the necessary knowledge to detect and intervene in the classroom in cases of dyscalculia, dyslexia and ADHD
- Understand the incidence of comorbidity in this context.
- Learn about the possibilities of neurotechnology applied to dyslexia, ADHD and dyscalculia

Module 16. Neurolinguistic Processes, Difficulties and Intervention Programs

- Develop the neurobiological aspects involved in language development.
- Study the neuropsychological bases of language and the potential for its work and development
- Analyze the processes of language comprehension, sounds and reading comprehension.
- Analyze language and literacy disorders
- Learn how to assess, diagnose and correct language difficulties.

Module 17. Memory Processes, Skills and TIC

 Explore and gain in-depth knowledge of the characteristics and functioning of memory processes, in relation to the holistic development of the person, in the specific field of learning

Module 18. Research Methodology I

- Learn research methodology and its different approaches
- Develop a complete research method, from the choice of the topic, to the proposal and production
- Learn how to conduct quantitative research and analysis of results

Module 19. Research Methodology II

- Learn descriptive statistics
- Learn how to develop a hypothesis test and interpret it
- Study the use of correlational and group comparison statistics and be able to use them in research



Our goal is to help you achieve yours, through a very unique program of specialization that will become an unparalleled professional growth experience"





tech 16 | Skills



General Skills

- Develop within the profession in terms of working with other health professionals, acquiring skills to work as a team
- Recognize the need to maintain professional skills up to date, with special emphasis on autonomous and continuous learning of new knowledge
- Develop the capacity for critical analysis and research in your professional field
- Apply neuropsychology in the educational environment
- Conduct programs to improve school performance
- Apply the research methods of neuropsychology of education
- Construct new ways of attending to diversity in the classroom



Our objective is very simple: to offer you quality specialized knowledge, with the best teaching methods currently, so that you can reach new heights of excellence in your profession"

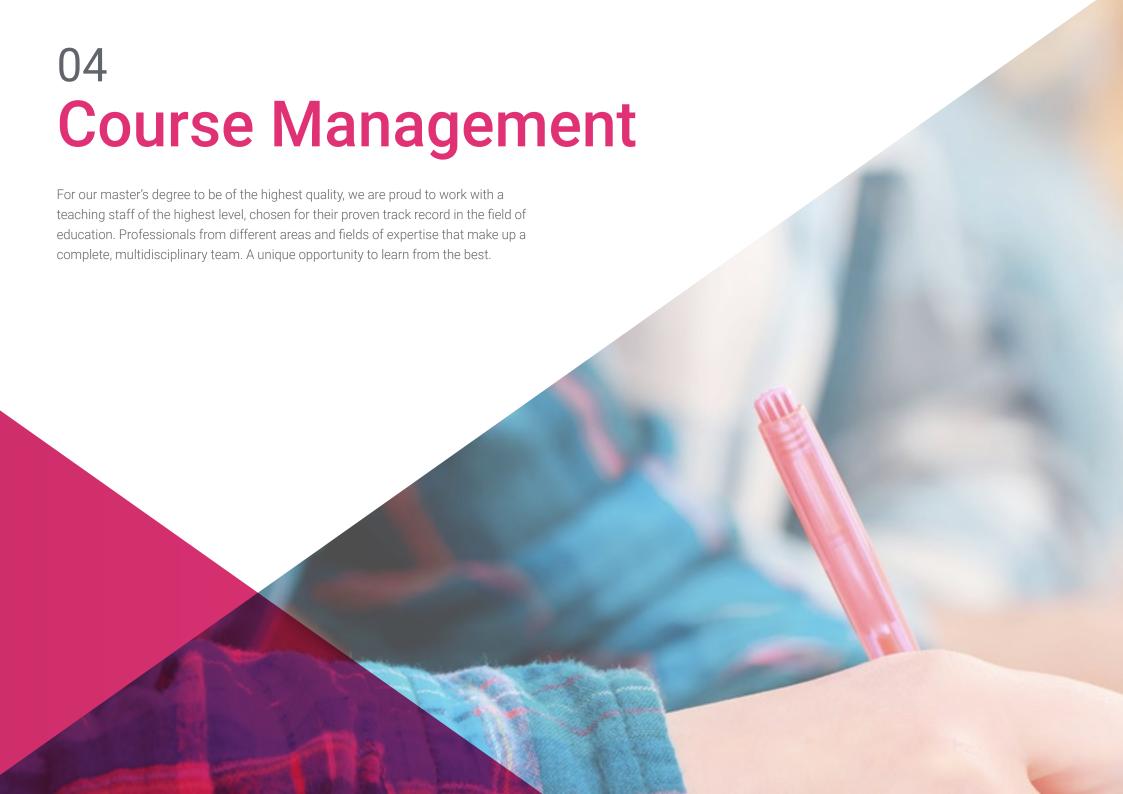


Specific Skills

- Learn how the reptilian brain deals with basic, pattern and parameter intelligences
- Master the relationship between the limbic system and our emotional universe
- Have knowledge of the brain chemicals that affect our emotions
- Learn the neurological seat of our emotions
- Research intuition and its scientific and measurable side
- Learn about the unconscious mechanisms of emotional intelligence
- Determine from scientific knowledge that "emotion decides and reason justifies"
- Learn about the drivers of motivation in human beings
- Differentiate from the neurological reality the fact of thinking from the fact of reflecting
- Discover the evolutionary succession of our neocortex
- Have knowledge of the rational capacity to associate, represent in space and reflect
- Learn about the Alpha fibers and their function
- Learn about the Beta fibers and their function
- Learn about the Gamma fibers and their function
- Learn about the Delta fibers and their function
- Review and list sympathetic and preganglionic nerve fibers
- Learn how to differentiate mechano-receptors from other fibers
- Master the importance of sympathetic nociceptors in pain and sensitivity
- Learn the morphology and function of preganglionic fibers
- Discover the sympathetic and parasympathetic mechanisms

- Learn the functions and mechanisms of the spinal nerves
- Learn how to differentiate between efferent and afferent communication
- Learn the properties of the gray matter and its communication vehicle, white matter
- Learn the functions of the Varolio Bridge
- Learn how the medulla oblongata influences our global behavioral system
- Understand the description and function of the cerebellum
- Master the global role of the amygdalae, hippocampus, hypothalamus, cingulum, sensory thalamus, basal nuclei, periaqueductal gray region, pituitary gland and nucleus accumbens
- Learn about R Carter's theory of brain evolution in 2002
- Manage the global role of the orbital frontal lobe
- Linking neuromotor transmission and sensory perception
- Gain knowledge of the hypothalamic axis and the endocrine system
- Understand the neurological mechanisms and chemistries that regulate temperature, blood pressure, food intake, and reproductive function
- Assimilate the latest knowledge on the relationship between the nervous system and the immune system
- Recognize the anatomy of the brain and its relationship with the development of different learning processes from the motor, sensory, emotional, etc. point of view
- Use knowledge of Neuropsychology in the development of diverse intervention programs in all areas of school development

- Apply the data extracted from the analysis of neurology in clinical diagnosis, supported by specific knowledge of developmental neuropsychology.
- Put into practice the different forms of intervention in the educational area based on the data extracted from the analysis of brain functionality, in the field of emotions and learning
- Work with sensory difficulties in the school environment, from a neuropsychological approach based on the work, from the deep knowledge of visual and auditory functionality
- Implement brain stimulation strategies in education through the development of motor skills and laterality
- Devise, develop and analyze comprehensive research in the area of neuropsychology in the educational setting
- Apply new strategies in cases of high abilities.
- Be able to program taking into account multiple intelligences and the impulse of talent and creativity.
- Develop efficient intervention programs for students with dyscalculia, dyslexia and hyperactivity.
- Perform effective assessment, diagnosis and intervention of language difficulties



International Guest Director

Dr. Steven P. Woods is a leading neuropsychologistinternationally recognized for his outstanding contributions to improving clinical detection, prediction and treatment of real-world health outcomes in diverse neuropsychological populations. He has forged an exceptional career path, which has led him to publish more than 300 articles and to serve on editorial boards in 5 major editorial boards in 5 major Clinical Neuropsychologyjournals.

His excellent scientific and clinical work focuses primarily on the ways in which cognition can hinder and support daily activities, health and well-being in adults with chronic medical conditions. Other areas of scientific relevance, for this expert, also include health literacy, apathy, intra-individual variability and Internet navigation skills. His research projects are funded by the National Institute of Mental Health (NIMH) and National Institute on Drug Abuse (NIDA).

In this regard, Dr. Woods' research approach examines the application of **theoretical models** to elucidate the role of **neurocognitive deficits** (e.g., memory) in **everyday functioning** and **health literacy** in people affected by **HIV** and **aging**. Therefore, his interest focuses, for example, on how people's ability to "Remember to "Remember", known as prospective memory, influences health-related **behaviors**, such as **medication adherence**. This multidisciplinary approach is reflected in his groundbreaking research, available on **Google Scholar** and **ResearchGate**.

He also founded the Clinical Neuropsychology Service at Thomas Street Health Center, where he holds a senior position as Director. Here, Dr. Woods provides de Clinical Neuropsychology services to people affected by HIV, providing critical support to communities in need and reaffirming the communities in need and reaffirming his commitment to the practical application of his research to improve lives.



Dr. Woods, Steven P.

- Director of the Neuropsychology Service at the Thomas Street Health Center, Houston, United States
- Founder and Director of the Clinical Neuropsychology Service at the Thomas Street Health Center
- Collaborator in the Department of Psychology, University of Houston
- Associate Editor at Neuropsychology and The Clinical Neuropsychologist
- Ph.D. in Clinical Psychology, with a specialization in Neuropsychology, Norfolk State University
- B.A. in Psychology from Portland State University.
- Member of: National Academy of Neuropsychology and American Psychological Association (Division 40, Society for Clinical Neuropsychology).



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Management



Dr. Martínez Lorca, Alberto

- Area Specialist in Nuclear Medicine at the University Hospital La Paz
- Physician in the Nuclear Medicine Department at the Ramón y Cajal University Hospita
- Specialist in Nuclear Medicine at the Rey Juan Carlos University Hospital
- Doctor of Medicine
- Research Expert in the Area of Cancer and Hormone Receptors
- Medical Education Manager
- Master's Degree in Time-Limited Psychotherapy and Health Psychology
- · Coaching in Emotionally Conscious Bonding
- Director of Neurological Studies at CEP. Madrid
- Specialist in Neurology of Dreams and their Disorders
- Disseminator for the children's population at the Teddy Bear Hospital



Ms. Sánchez Padrón, Nuria Ester

- General Health Psychologist
- Teacher of Educational Reinforcement at Radio ECCA
- Degree in Psychology from La Laguna University
- Master's Degree in General Health Psychology from the University of La Rioja
- Specialist in Emergency Psychological Care of the Red Cross
- Specialist in Psychological Care in Penitentiary Institutions

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Coordinator



Dr. Aguado Romo, Roberto

- President of the European Institute of Time-Limited Psychotherapy
- Psychologist in private practice
- Researcher in Time Limited Psychotherapy
- Guidance team coordinator for many educational centers
- Author of several books on Psychology
- Communicator and expert in Psychology in the media.
- University courses and studies teacher.
- Master's Degree in Clinical and Health Psychology
- Specialist in Clinical Psychology
- Selective Dissociation Targeting Specialist

Professors

Dr. Fernandez, Angel

- Director of the Evaluation and Psychotherapy Center of Madrid
- European specialist psychologist in Psychotherapy from the EFPA
- Health Psychologist
- Master's Degree in Clinical and Health Psychology
- Tutor in charge of the Psychodiagnosis and Psychological Intervention area of the CEP
- Author of the TEN technique
- Head of studies on the Professional Master's Degree in Time-Limited Psychotherapy and Health Psychology
- Specialist in Clinical Hypnosis and Relaxation

Dr. González Agüero, Mónica

- Psychologist in charge of the Department of Child and Adolescent Psychology at Quirónsalud Marbella Hospital and Avatar Psichologists
- Psychologist and Teacher at the European Institute of Limited Time Psychotherapies (IEPTL)
- Degree in Psychology from the National University of Distance Education (UNED)



Course Management | 25 tech

Dr. Kaiser Ramos, Carlos

- Specialist in Otorhinolaryngology and Cervical and Facial Pathology
- Head of the Otolaryngology department at Segovia General Hospital
- Member of the Royal Academy of Medicine of Salamanca
- Master's Degree in Time-Limited Psychotherapy and Health Psychology
- Expert in Psychosomatic Medicine

Dr. Martínez-Lorca, Manuela

- Health Psychologist.
- Teacher in the Department of Psychology at the University of Castilla La Mancha
- Master's Degree in Time-Limited Psychotherapy and Health Psychology by the European Institute of Time-Limited Psychotherapies
- ◆ Specialist in Clinical Hypnosis and Relaxation
- Degree in Psychology
- Doctor of Medicine

Dr. Roldan, Lucía

- Health Psychologist.
- Cognitive-Behavioral Intervention Specialist
- Master's Degree in Time-Limited Psychotherapy and Health Psychology
- Expert in Energy Therapy Intervention





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Module 1. Basis of Neurosciences

- 1.1. The Nervous System and Neurons
 - 1.1.1. Introduction
 - 1.1.2. Developments and Latest Approaches
- 1.2. Basic Anatomy of Learning-Related Structures
 - 1.2.1. Physiology of Learning
- 1.3. Psychological Processes Related to Learning.
 - 1.3.1. Emotions and Learning
 - 1.3.2. Emotional Approaches
- 1.4. The Main Brain Structures Related to Motor Skills
 - 1.4.1. Brain and Motor Development
 - 1.4.2. Laterality and Development
- 1.5. The Plastic Brain and Neuroplasticity
 - 1.5.1. Definition of Plasticity
 - 1.5.2. Neuroplasticity and Education
- 1.6. Epigenetics
 - 1.6.1. Definition and Origins
- 1.7. Effects of the Environment on Brain Development
 - 1.7.1. Current Theories
 - 1.7.2. The Influence of the Environment on Child Development
- 1.8. Changes in the Infant's Brain
 - 1.8.1. Brain Development in Infancy
 - 1.8.2. Features
- 1.9. Evolution of the Adolescent Brain
 - 1.9.1. Brain Development in Adolescence
 - 1.9.2. Features
- 1.10. The Adult Brain
 - 1.10.1. Characteristics of the Adult Brain
 - 1.10.2. The Adult Brain and Learning

Module 2. Developmental Neuropsychology

- 2.1. Neuroscience
- 2.2. The Brain: Structure and Function
- 2.3. Neuroscience and Learning
- 2.4. Multiple Intelligences
- 2.5. Neuroscience Education
- 2.6. Neurosciences in the Classroom
- 2.7. Playing and New Technologies
- 2.8. Body and Brain
- 2.9. Neuroscience for Preventing School Failure
- 2.10. Reason and Emotion

Module 3. Principles of Neuroanatomy

- 3.1. Classification of Nerve Fibers (Erlanger and Gasser)
 - 3.1.1. Alpha
 - 3.1.2. Beta
 - 3.1.3. Gamma
 - 3.1.4. Delta
 - 3.1.5. Sympathetic
 - 3.1.6. Preganglionic
 - 3.1.7. Mechanoceptors
 - 3.1.8. Sympathetic Nociceptors
 - 3.1.9. Preganglionic
- 3.2. Vegetative Nervous System
- 3.3. Spinal Cord
- 3.4. Spinal Nerves
- 3.5. Afferent and Efferent Communication
- 3.6. Gray Matter
- 3.7. White Matter



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- 3.8.1. Midbrain
- 3.8.2. Varolio Bridge
- 3.8.3. Medulla Oblongata
- 3.8.4. Cerebellum

3.9. Limbic System

- 3.9.1. Tonsils
- 3.9.2. Hippocampus
- 3.9.3. Hypothalamus
- 3.9.4. Cingulum
- 3.9.5. Sensory Thalamus
- 3.9.6. Base Cores
- 3.9.7. Periaqueductal Gray Region
- 3.9.8. Pituitary
- 3.9.9. Nucleus Accumbens

3.10. Cerebral Cortex (Theory of Cerebral Evolution, Carter 2002)

- 3.10.1. Parietal Cortex
- 3.10.2. Frontal Lobes (6m)
- 3.10.3. Limbic System (12 m)
- 3.10.4. Language Areas: 1st Wernicke, 2nd Broca. (18 m)
- 3.11. Frontal Orbital Lobe
- 3.12. Functional Relationships of the NS with Other Organs and Systems
- 3.13. Motorneurone Transmission
- 3.14. Sensoperception
- 3.15. Neuroendocrinology (Hypothalamus-Endocrine System Relationship)
 - 3.15.1. Temperature Regulation
 - 3.15.2. Blood Pressure Regulation
 - 3.15.3. Food Ingestion Regulation
 - 3.15.4. Reproductive Function Regulation
- 3.16. Neuroimmunology (Relationship between the Nervous System and Immune System)
- 3.17. Map Relating Emotion to Neuroanatomical Structures

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Module 4. Introduction to Neuropsychology

- 4.1. Introduction to Neuropsychology
 - 4.1.1. Basis and Origins of Neuropsychology
 - 4.1.2. First Approaches to the Discipline
- 4.2. First Approaches to the Neuropsychology
 - 4.2.1. First Works Within Neuropsychology
 - 4.2.2. Most Relevant Authors and Works
- 4.3. Ontogeny and Phylogeny of the CNS
 - 4.3.1. Concept of Ontogeny and Phylogeny
 - 4.3.2. Ontogeny and Phylogeny Within the CNS
- 4.4. Cellular and Molecular Neurobiology
 - 4.4.1. Introduction to Neurobiology
 - 4.4.2. Cellular and Molecular Neurobiology
- 4.5. Neurobiology of Systems
 - 4.5.1. Concepts of Systems
 - 4.5.2. Structures and Development
- 4.6. Embryology of the Nervous System
 - 4.6.1. Principles of Embryology of the Nervous System
 - 4.6.2. Phases of CNS Embryology
- 4.7. Introduction to Structural Anatomy CNS
 - 4.7.1. Introduction to Structural Anatomy
 - 4.7.2. Structural Development
- 4.8. Introduction to Functional Anatomy
 - 4.8.1. What is Function Anatomy?
 - 4.8.2. Most Important Functions
- 4.9. Neuroimaging Techniques
 - 4.9.1. Concept of Neuroimaging
 - 4.9.2. Most Commonly Used Techniques
 - 4.9.3. Advantages and Disadvantages

Module 5. Functional Neuroanatomy

- 5.1. Frontal Lobes
 - 5.1.1. Introduction to the Frontal Lobe
 - 5.1.2. Main Features
 - 5.1.3. Bases of their Functioning
- 5.2. Neuropsychology of the Dorsolateral Prefrontal Cortex
 - 5.2.1. Introduction to the Dorsolateral Prefrontal Cortex
 - 5.2.2. Main Features
 - 5.2.3. Bases of their Functioning
- 5.3. Neuropsychology of the Orbitofrontal Cortex
 - 5.3.1. Introduction to the Orbitofrontal Cortex
 - 5.3.2 Main Features
 - 5.3.3. Bases of their Functioning
- 5.4. Neuropsychology of the Medial Prefrontal Cortex
 - 5.4.1. Introduction to the Dorsolateral Prefrontal Cortex
 - 5.4.2 Main Features
 - 5.4.3. Bases of their Functioning
- 5.5. Motor Cortex
 - 5.5.1 Introduction to the Motor Cortex
 - 5.5.2. Main Features
 - 5.5.3. Bases of their Functioning
- 5.6. Temporal Lobe
 - 5.6.1. Introduction to the Temporal Lobe Cortex
 - 5.6.2. Main Features
 - 5.6.3. Bases of their Functioning
- 5.7. Parietal Lobe
 - 5.7.1. Introduction to the Parietal Lobe Cortex
 - 5.7.2. Main Features
 - 5.7.3. Bases of their Functioning
- 5.8. Occipital Lobe
 - 5.8.1. Introduction to the Occipital Lobe Cortex
 - 5.8.2. Main Features
 - 5.8.3. Bases of their Functioning

- 5.9. Cerebral Asymmetry
 - 5.9.1. Concept of Brain Asymmetry
 - 5.9.2. Characteristics and Functioning

Module 6. Cognitive Functions

- 6.1. Neurological Principles of Attention
 - 6.1.1. Introduction to the Concept of Attention
 - 6.1.2. Neurobiological Principles and Foundations of Attention
- 6.2. Neurobiological Principles of Memory
 - 6.2.1. Introduction to the Concept of Memory
 - 6.2.2. Neurobiological Principles and Foundations of Memory
- 6.3. Neurological Principles of Language
 - 6.3.1. Introduction to the Concept of Language
 - 6.3.2. Neurobiological Principles and Foundations of Language
- 6.4. Neurobiological Principles of Perception
 - 6.4.1. Introduction to the Concept of Perception
 - 6.4.2. Neurobiological Principles and Foundations of Perception
- 6.5. Visuospatial Neurobiological Principles
 - 6.5.1. Introduction to Visuospatial Functions
 - 6.5.2. Principles and Fundamentals of Visuospatial Functions
- 6.6. Neurobiological Principles of Executive Functions
 - 6.6.1. Introduction to Executive Functions
 - 6.6.2. Principles and Fundamentals of Executive Functions
- 6.7. Apraxias
 - 6.7.1. What are Praxis?
 - 6.7.2. Features and Types
- 6.8. Gnosis
 - 6.8.1. What are Praxis?
 - 6.8.2. Features and Types
- 6.9. Social Cognition
- 6.9.1. Introduction to Social Cognition
 - 6.9.2. Characteristics and Theoretical Foundations

Module 7. Brain Injury

- 7.1 Neuropsychological and Behavior Disorders of Genetic Origin
 - 7.1.1. Introduction
 - 7.1.2. Genes, Chromosomes and Hereditary
 - 7.1.3. Genes and Behavior
- 7.2. Early Brain Injury Disorder
 - 7.2.1. Introduction
 - 7.2.2. The Brain in Early Childhood
 - 7.2.3. Pediatric Cerebral Palsy
 - 7.2.4. Psychosyndromes
 - 7.2.5. Learning Disorders
 - 7.2.6. Neurobiological Disorders that Affect Learning
- 7.3. Vascular Brain Disorders
 - 7.3.1. Introduction to Cerebrovascular Disorders
 - 7.3.2. Most Common Types
 - 7.3.3. Characteristics and Symptomology
- 7.4. Brain Tumors
 - 7.4.1 Introduction to Brain Tumors
 - 7.4.2. Most Common Types
 - 7.4.3. Characteristics and Symptomology
- 7.5. Cranioencephalic Traumas
 - 7.5.1. Introduction to Trauma
 - 7.5.2. Most Common Types
 - 7.5.3. Characteristics and Symptomology
- 7.6. Infections of the CNS
 - 7.6.1. Introduction the CNS Infections
 - 7.6.2. Most Common Types
 - 7.6.3. Characteristics and Symptomology
- 7.7. Epileptic Disorders
 - 7.7.1. Introduction to Epileptic Disorders
 - 7.7.2. Most Common Types
 - 7.7.3. Characteristics and Symptomology

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- 7.8. Alterations in the Level of Consciousness
 - 7.8.1. Introduction to Altered Levels of Consciousness
 - 7.8.2. Most Common Types
 - 7.8.3. Characteristics and Symptomology
- 7.9. Acquired Brain Injury
 - 7.9.1. Concept of Acquired Brain Injury
 - 7.9.2. Most Common Types
 - 7.9.3. Characteristics and Symptomology
- 7.10. Disorders Related to Pathological Ageing
 - 7.10.1. Introduction
 - 7.10.2. Psychological Disorders Related to Pathological Aging

Module 8. Aphasias, Agraphias and Alexias

- 8.1. Broca's Aphasia
 - 8.1.1. Basis and Origin of Broca's Aphasia
 - 8.1.2. Characteristics and Symptomology
 - 8.1.3. Assessment and Diagnosis
- 8.2. Wernicke's Aphasia
 - 8.2.1. Basis and Origin of Wernicke's Aphasia
 - 8.2.2. Characteristics and Symptomology
 - 8.2.3. Assessment and Diagnosis
- 8.3. Conduction Aphasia
 - 8.3.1. Basis and Origin of Conduction Aphasia
 - 8.3.2. Characteristics and Symptomology
 - 8.3.3. Assessment and Diagnosis
- 8.4. Global Aphasia
 - 8.4.1. Basis and Origin of Global Aphasia
 - 8.4.2. Characteristics and Symptomology
 - 8.4.3. Assessment and Diagnosis
- 8.5. Sensory Transcortical Aphasia
 - 8.5.1. Basis and Origin of Broca's Aphasia
 - 8.5.2. Characteristics and Symptomology
 - 8.5.3. Assessment and Diagnosis

- 8.6. Motor Transcortical Aphasia
 - 8.6.1. Basis and Origin of Motor Transcortical Aphasia
 - 8.6.2. Characteristics and Symptomology
 - 3.6.3. Assessment and Diagnosis
- 8.7. Mixed Transcortical Aphasia
 - 8.7.1. Basis and Origin of Mixed Transcortical Aphasia
 - 8.7.2. Characteristics and Symptomology
 - 8.7.3. Assessment and Diagnosis
- 8.8. Anomic Aphasia
 - 8.8.1. Principles and Origin of Anomic Aphasia
 - 8.8.2. Characteristics and Symptomology
 - 8.8.3. Assessment and Diagnosis
- 8.9. Agraphias
 - 8.9.1. Principles and Origin of Agraphias
 - 8.9.2. Characteristics and Symptomology
 - 8.9.3. Assessment and Diagnosis
- 8.10. Alexias
 - 8.10.1. Principles and Origin of Alexias
 - 8.10.2. Characteristics and Symptomology
 - 8.10.3. Assessment and Diagnosis

Module 9. Neurodegenerative Diseases

- 9.1: Normal Aging
 - 9.1.1. Basic Cognitive Processes in Normal Aging
 - 9.1.2. Superior Cognitive Processes in Normal Aging
 - 9.1.3. Attention and Memory in Elderly People with Normal Aging
- 9.2. Cognitive Reserve and its Importance in Aging
 - 9.2.1. Cognitive Reserve: Definition and Basic Concepts
 - 9.2.2. Functionality of Cognitive Reserve
 - 9.2.3. Influencing Variables in Cognitive Reserve
 - 9.2.4. Interventions Based on Improving Cognitive Reserve in the Elderly

- 9.3. Multiple Sclerosis
 - 9.3.1. Concepts and Biological Foundations of Multiple Sclerosis
 - 9.3.2. Characteristics and Symptomology
 - 9.3.3. Patient Profile
 - 9.3.4. Assessment and Diagnosis
- 9.4. Amyotrophic Lateral Sclerosis
 - 9.4.1. Concepts and Biological Foundations of Amyotrophic Lateral Sclerosis (ALS)
 - 9.4.2. Characteristics and Symptomology
 - 9.4.3. Patient Profile
 - 9.4.4. Assessment and Diagnosis
- 9.5. Parkinson's Disease
 - 9.5.1. Concepts and Biological Foundations of Parkinson's Disease
 - 9.5.2. Characteristics and Symptomology
 - 9.5.3. Patient Profile
 - 9.5.4. Assessment and Diagnosis
- 9.6. Huntington's Disease
 - 9.6.1. Concepts and Biological Foundations of Huntington's Disease
 - 9.6.2. Characteristics and Symptomology
 - 9.6.3. Patient Profile
 - 9.6.4. Assessment and Diagnosis
- 9.7. Dementia of the Alzheimer Type
 - 9.7.1. Concepts and Biological Foundations of Dementia of the Alzheimer Type
 - 9.7.2. Characteristics and Symptomology
 - 9.7.3. Patient Profile
 - 9.7.4. Assessment and Diagnosis
- 9.8. Pick's Dementia
 - 9.8.1. Concepts and Biological Foundations of Pick's Dementia
 - 9.8.2. Characteristics and Symptomology
 - 9.8.3. Patient Profile
 - 9.8.4. Assessment and Diagnosis

- 9.9. Lewy Body Dementia
 - 9.9.1. Concepts and Biological Foundations of Lewy Body Dementia
 - 9.9.2. Characteristics and Symptomology
 - 9.9.3. Patient Profile
 - 9.9.4. Assessment and Diagnosis
- 9.10. Vascular Dementia
 - 9.10.1. Concepts and Biological Foundations of Vascular Dementia
 - 9.10.2. Characteristics and Symptomology
 - 9.10.3. Patient Profile
 - 9.10.4. Assessment and Diagnosis

Module 10. Neuroeducation

- 10.1. Introduction to Neuroeducation.
- 10.2. Main Neuromyths
- 10.3. Attention
- 10.4. Emotion
- 10.5. Motivation
- 10.6. The Learning Process
- 10.7. Memory
- 10.8. Stimulation and Early Interventions
- 10.9. Importance of Creativity in Neuroeducation
- 10.10. Methodologies that allow the Transformation of Education in Neuroeducation

Module 11. Visual and Auditory Functionality for Reading, Language, Languages and Learning

- 11.1. Vision: Functioning and Neuropsychological Bases
 - 11.1.1. Introduction
 - 11.1.2. Development of the Visual System at Birth
 - 11.1.3. Risk Factors
 - 11.1.4. Development of Other Sensory Systems During Infancy
 - 11.1.5. Influence of Vision on the Visuomotor System and its Development
 - 11.1.6. Normal and Binocular Vision
 - 11.1.7. Anatomy of Human Eyes

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11.2.

11.3.

11.1.8. Eye Functions						
11.1.9. Other Functions						
.1.10. Visual Pathways to the Cerebral Cortex						
11.1.11. Elements that Favor Visual Perception						
11.1.12. Vision Diseases and Alterations						
11.1.13. Most Common Eye Disorders or Diseases: Classroom Interventions						
11.1.14. Computer Vision Syndrome (CVS)						
11.1.15. Attitudinal Observation of the Student						
11.1.16. Summary						
11.1.16. Bibliographical References						
Visual Perception, Assessment and Intervention Programs						
11.2.1. Introduction						
11.2.2. Human Development: Development of the Sensory Systems						
11.2.3. Sensory Perception						
11.2.4. Neurodevelopment						
11.2.5. Description of the Perceptual Process						
11.2.6. Color Perception						
11.2.7. Perception and Visual Skills						
11.2.8. Evaluation of Visual Perception						
11.2.9. Intervention for the Improvement of Visual Perception						
11.2.10. Summary						
11.2.11. Bibliographical References						
Tracking Eye Movements						
11.3.1. Introduction						
11.3.2. Eye Movements						
11.3.3. Tracking Eye Movements						
11.3.4. Ocular Motility Recording and Assessment						
11.3.5. Ocular Motility-Related Disorders						
11.3.6. The Visual System and Reading						
11.3.7. Development of Skills in Learning to Read						
11.3.8. Improvement and Training Programs and Activities						
11.3.9. Summary						
11.3.10. Bibliographical References						

11.4.	Saccad	ic Movements and Their Implication in Reading			
	11.4.1.	Introduction			
	11.4.2.	Models of the Reading Process			
	11.4.3.	Saccadic Movements and Their Relation to Reading			
	11.4.4.	How Saccadic Movements are Assessed			
	11.4.5.	The Reading Process at the Visual Level			
	11.4.6.	Visual Memory in the Reading Process			
	11.4.7.	Investigations to Study the Relationship Between Visual Memory and Reading			
	11.4.8.	Reading Difficulties			
	11.4.9.	Specialized Teachers			
	11.4.10	. Social Educators			
	11.4.11	. Summary			
	11.4.12	. Bibliographical References			
11.5.	Visual A	accommodation and its Relation to Posture in the Classroom			
	11.5.1.	Introduction			
	11.5.2.	Mechanisms that Allow for Accommodation or Focus			
	11.5.3.	How is Visual Accommodation Assessed?			
	11.5.4.	Body Posture in the Classroom			
	11.5.5.	Visual Accommodation Training Programs			
	11.5.6.	Aids for Visually Impaired Students			
	11.5.7.	Summary			
	11.5.8.	Bibliographical References			
11.6.	Structure and Function of the Ear				
	11.6.1.	Introduction			
	11.6.2.	The World of Sound			
	11.6.3.	Sound and its Propagation			
	11.6.4.	The Auditory Receptors			
	11.6.5.	Ear Structure			
	11.6.6.	Development of the Hearing System at Birth			
	11.6.7.	Development of Sensory Systems during Infancy			
	11.6.8.	Influence of the Ear on Balance Development			

11.6.9. Ear Diseases 11.6.10. Summary

- 11.6.11. Bibliographical References
- 11.7. Auditory Perception
 - 11.7.1. Introduction
 - 11.7.2. Guidelines for Detecting Auditory Perception Problems
 - 11.7.3. The Perceptive Process
 - 11.7.4. Role of the Auditory Pathways in Perceptual Processes
 - 11.7.5. Children with Impaired Auditory Perception
 - 11.7.6. Evaluation Tests
 - 11.7.7. Summary
 - 11.7.8. Bibliographical References
- 11.8. Evaluation of Hearing and its Alterations
 - 11.8.1. Introduction
 - 11.8.2. Evaluation of the External Auditory Canal
 - 11.8.3. Otoscopy
 - 11.8.4. Air Audiometry
 - 11.8.5. Bone Conduction Hearing
 - 11.8.6. Curve of the Pain Threshold
 - 11.8.7. Tone Audiometry, Vocal Audiometry and Acoustic Audiometry
 - 11.8.8. Hearing Impairment: Degrees and Types of Hearing Loss
 - 11.8.9. Causes of Hearing Loss
 - 11.8.10. Psychobiological Aspects of Hearing Impairment
 - 11.8.11. Summary
 - 11.8.12. Bibliographical References
- 11.9. Hearing and Learning Development
 - 11.9.1. Introduction
 - 11.9.2. Development of the Human Ear
 - 11.9.3. Programs, Activities and Games for Auditory Development in Children
 - 11.9.4. Berard Method
 - 11.9.5. Tomatis Method
 - 11.9.6. Visual and Hearing Health
 - 11.9.7. Adaptations of Curricular Elements
 - 11.9.8. Summary
 - 11.9.10. Bibliographical References

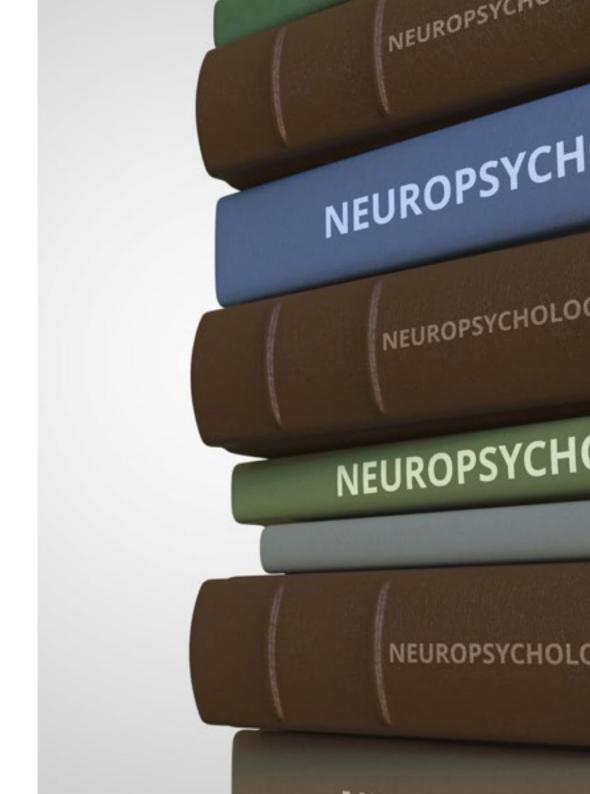
- 11.10. Vision and Hearing Processes Involved in Reading
 - 11.10.1. Introduction
 - 11.10.2. Tracking Eye Movements
 - 11.10.3. The Visual System and Reading
 - 11.10.4. Dyslexia
 - 11.10.5. Color-Based Therapies for Dyslexia
 - 11.10.6. Visual Impairment Aids
 - 11.10.7. Summary
 - 11.10.8. Bibliographical References
- 11.11. Relationship Between Vision and Hearing in Language
 - 11.11.1. Introduction
 - 11.11.2. Relationship Between Vision and Hearing
 - 11.11.3. Verbal-Auditory and Visual Information Processing
 - 11.11.4. Intervention Programs for Hearing Disorders
 - 11.11.5. Guidelines for Teachers
 - 11.11.6. Summary
 - 11.11.7. Bibliographical References

Module 12. Motricity, Laterality and Writing

- 12.1. Neurodevelopment and Learning
 - 12.1.1. Introduction
 - 12.1.2. Perceptual Development
 - 12.1.3. Neuropsychological Bases of Motor Development
 - 12.1.4. Development of Laterality
 - 12.1.5. Interhemispheric Communication through the Corpus Callosum
 - 12.1.6. Ambidextrousness
 - 12.1.7. Summary
 - 12.1.8. Bibliographical References
- 12.2. Psychomotor Development
 - 12.2.1. Introduction
 - 12.2.2. Gross Psychomotor Development
 - 12.2.3. General Dynamic Coordination: Basic Skills
 - 12.2.4. Fine Motor Skills and Their Relationship with Writing

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- 12.2.5. Assessment of Psychomotor Development
- 12.2.6. Summary
- 12.2.7. Bibliographical References
- 12.3. Neuropsychology of Motor Development
 - 12.3.1. Introduction
 - 12.3.2. Relationship between Motor and Psychism
 - 12.3.3. Disorders of Motor Development
 - 12.3.4. Disorders of the Acquisition of Coordination
 - 12.3.5. Vestibular System Disorders
 - 12.3.6. Handwriting
 - 12.3.7. Summary
 - 12.3.8. Bibliographical References
- 12.4. Introduction to Laterality Development
 - 12.4.1. Introduction
 - 12.4.2. Laterality Tests
 - 12.4.3. Observation Guidelines for Teachers
 - 12.4.4. Cross Laterality
 - 12.4.5. Types of Cross-Lateralization
 - 12.4.6. Relationship between Dyslexia and Laterality
 - 12.4.7. Relationship between Laterality and Attention, Memory and Hyperactivity Problems
 - 12.4.8. Summary
 - 12.4.9. Bibliographical References
- 12.5. Development of Laterality at Different Ages
 - 12.5.1. Introduction
 - 12.5.2. Definition of Laterality
 - 12.5.3. Types of Laterality
 - 12.5.4. The Corpus Callosum
 - 12.5.5. The Cerebral Hemispheres
 - 12.5.6. Development of the Prelateral, Contralateral, and Lateral Stages
 - 12.5.7. Summary
 - 12.5.8. Bibliographical References



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- 12.6. Motor Disorders and Related Learning Difficulties
 - 12.6.1. Introduction
 - 12.6.2. Motor Disorders
 - 12.6.3. Learning Difficulties
 - 12.6.4. Summary
 - 12.6.5. Bibliographical References
- 12.7. Writing Acquisition and Process
 - 12.7.1. Introduction
 - 12.7.2. Learning to Read
 - 12.7.3. Comprehension Problems that Students May Develop
 - 12.7.4. Evolutionary Development of Writing
 - 12.7.5. History of Writing
 - 12.7.6. Neuropsychological Basis of Writing
 - 12.7.7. Teaching of Writing Expression
 - 12.7.8. Methods of Teaching Writing
 - 12.7.9. Writing Workshops
 - 12.7.10. Summary
 - 12.7.11. Bibliographical References
- 12.8. Dysgraphia
 - 12.8.1. Introduction
 - 12.8.2. Learning Styles
 - 12.8.3. Executive Functions Involved in Learning
 - 12.8.4. Definition of Dysgraphia and Types
 - 12.8.5. Common Indicators of Dysgraphia
 - 12.8.6. Classroom Aids for Students with Dysgraphia
 - 12.8.7. Individual Aids
 - 12.8.8. Summary
 - 12.8.9. Bibliographic References
- 12.9. The Contribution of Laterality to Literacy Development
 - 12.9.1. Introduction
 - 12.9.2. Importance of Laterality in the Learning Process
 - 12.9.3. Laterality in the Reading and Writing Process
 - 12.9.4. Laterality and Learning Difficulties
 - 12.9.5. Summary
 - 12.9.6. Bibliographical References

- 12.10. Role of the School Psychologist and Guidance Counselors for Prevention, Development and Learning Difficulties.
 - 12.10.1. Introduction
 - 12.10.2. The Guidance Department
 - 12.10.3. Intervention Programs
 - 12.10.4. Advances of Neuropsychology in Learning Difficulties
 - 12.10.5. Training of the Teaching Team
 - 12.10.6. Summary
 - 12.10.7. Bibliographical References
- 12.11. Guidance to Parents
 - 12.11.1. How to Inform parents?
 - 12.11.2. Activities to Improve Academic Performance
 - 12.11.3. Activities to Improve Lateral Development
 - 12.11.4. Strategies for Problem Solving
 - 12.11.5. Summary
 - 12.11.6. Bibliographical References
- 12.12. Psychomotor Assessment and Intervention
 - 12.12.1. Introduction
 - 12.12.2 Psychomotor Development
 - 12.12.3. Psychomotor Evaluation
 - 12.12.4. Psychomotor Intervention
 - 12.12.5. Summary
 - 12.12.6. Bibliographical References

Module 13. Methodological Strategies and Learning Difficulties

- 13.1. Techniques to Improve Self-Esteem
 - 13.1.1. Classification
 - 13.1.2. Description
- 13.2. Behavior Modification
 - 13.2.1. Identification
 - 13.2.2. Approach
- 13.3. Coping and Problem-Solving Strategies
 - 13.3.1. Classification
 - 13.3.2. Application

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13.10.5. Projects with the Family

13.10.6. Emotional Intelligence. Managing Emotions

13.4.	. Social Skills				
	13.4.1.	Description of Shortcomings			
	13.4.2.	13.4.2. Intervention Models			
13.5.	Emotional Intelligence, Creativity and Emotional Education in the Classroom				
	13.5.1.	Emotional Intelligence and the Education of Emotions According to the Mayer and Salovey Model			
	13.5.2.	Other Emotional Intelligence Models and Emotional Transformation			
	13.5.3.	Socio-Emotional Skills and Creativity According to Level of Intelligence			
	13.5.4.	Concept of Emotional Quotient, Intelligence and Adaptation in Learning Difficulties			
	13.5.5.	Practical Classroom Resources to Prevent the Demotivation of Students with Learning Difficulties and the Management of Disruptive Behaviors from Emotions			
	13.5.6.	Standardized Tests to Assess Emotions			
13.6. Learning Planning		g Planning			
	13.6.1.	Application Resources			
13.7.	Study T	echniques			
	13.7.1.	Description			
	13.7.2.	Applicable Developments			
13.8.	Learnin	g Strategies			
	13.8.1.	Rehearsal Strategies			
	13.8.2.	Processing Strategies			
	13.8.3.	Organization Strategies			
	13.8.4.	Metacognitive Strategies			
	13.8.5.	Affective or Supportive Strategies			
13.9.	Motivat	ion			
	13.9.1.	Contextualization			
	13.9.2.	Teaching Approaches			
13.10	. Family-	Centered Intervention			
	13.10.1	. Understanding Learning Difficulties			
	13.10.2	. Acceptance of Reality			
	13.10.3	. Decision-Making in the Family Environment			
	13.10.4	. Behaviors within the Family			

13.11. Inclusive Educational Intervention
13.11.1. Center's Educational Project, Special Attention to Learning Needs
13.11.2. Structural Adjustments
13.11.3. Organizational Changes
13.11.4. Plan of Attention to Diversity
13.11.5. Teacher Training Plan
13.11.6. Curricular Actions
13.11.7. Organizing the Early Childhood Syllabus
13.11.8. Organizing the Primary Education Syllabus
13.11.9. Organizing the Secondary Education Syllabus
13.12. Neurolinguistic Programming (NLP) Applied to Learning Disabilities
13.12.1. Justification and Objectives
13.12.2. Basics of NLP
13.12.2.1. Foundations of NLP
13.12.2.2. The Assumptions and Premises of NLP
13.12.2.3. Neurological Levels
13.12.3. The Rules of the Mind
13.12.4. Beliefs
13.12.5. Different Ways of Looking at Reality
13.12.6. States of Mind
13.12.7. Shaping the Language
13.12.8. Access to Unconscious Resources
13.13. Dynamic Learning in the Classroom
13.13.1. Dynamic Learning According to Robert Dilts
13.13.2. Activities According to Different Learning Styles
13.13.3. Activities According to How Students Select Information
13.13.4. Strategies to Develop the Visual System in the Classroom
13.13.5. Strategies for Developing the Auditory System in the Classroom
13.13.6. Strategies to Develop the Kinesthetic System in the Classroom
13.13.7. Activities According to How Students Organize Information
13.13.8. Left Hemisphere and Right Hemisphere Enhancing Activities
13.13.8.1. Strategies for Working With the Whole Brain in the Classroom

- 13.13.9. Techniques for Working on Beliefs
- 13.13.10. Neuro-Linguistic Programming Techniques to Improve Students' Academic Performance
 - 13.13.10.1. Techniques for Reflecting on Our Perception of Reality
 - 13.13.10.1.1. Techniques to Develop Flexible Thinking
 - 13.13.10.1.2. Techniques to Eliminate Blockages or Limitations
 - 13.13.10.1.3. Techniques to Clarify Objectives
 - 13.13.10.2. Annexes With Tests, Records, Techniques, Situation Analysis, Evaluations and Follow-Ups
- 13.14. Cooperative Learning in Attention to Diversity
 - 13.14.1. Definition and Bases of Cooperative Learning
 - 13.14.2. Structure of Cooperative Learning
 - 13.14.3. Developed Skills and Capabilities
 - 13.14.4. Purposes of Cooperative Learning From a Multicultural Approach
 - 13.14.5. Application in Each of the Educational Stages
 - 13.14.5.1. Early Childhood Education
 - 13.14.5.1.1. Teamwork and Group Cohesion in Early Childhood Education
 13.14.5.1.1.1. Cooperative Techniques in Early Childhood
 Education
 - 13.14.5.2. Primary Education
 - 13.14.5.2.1. Didactics and Experiences in Primary Education Simple Structures
 - 13.14.5.2.2. Primary Research and Projects
 - 13.14.5.3. High School
 - 13.14.5.3.1. Importance of Roles in Secondary Education
 - 13.14.5.3.2. Evaluation of Cooperative Experiences in Secondary Schools
 - 13.14.6. Design of Activities and Group Dynamics
 - 13.14.7. The Role of the Teacher as Facilitator and Guide
 - 13.14.8. Assessment of Cooperative Learning

13.15. New Technologies Applied

- 13.15.1. Diverse Approaches and Perspectives
 - 13.15.1.1. Information Communication and Technology ICT
 - 13.15.1.2. Technology for Learning and Knowledge CAT
 - 13.15.1.3. Technologies of Empowerment and Participation TEP
- 13.15.2. Impact of New Technologies in Education
 - 13.15.2.1. Digital Skills in Students
 - 13.15.2.2. Digital Skills in Teachers
 - 13.15.2.3. The Role of Families and the Regulation of Use
- 13.15.3. Educating With the Use of New Technologies
 - 13.15.3.1. Digital Educational Content
 - 13.15.3.2. Tools
 - 13.15.3.3. Educational Platforms
- 13.15.4. The Transformation of Education with New Teaching Methods

Module 14. Multiple Intelligences, Creativity, Talent and High-Capacity Individuals

- 14.1. Theory of Multiple Intelligences
 - 14.1.1. Introduction
 - 14.1.2. Background
 - 14.1.3. Conceptualization
 - 14.1.4. Validation
 - 14.1.5. Premises and Basic Principles of Theories
 - 14.1.6. Neuropsychological and Cognitive Science
 - 14.1.7. Classification of the Theories of Multiple Intelligences
 - 14.1.8. Summary
 - 14.1.9. Bibliographical References
- 14.2. Types of Multiple Intelligences
 - 14.2.1. Introduction
 - 14.2.2. Types of Intelligence
 - 14.2.3. Summary
 - 14.2.4. Bibliographical References

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14.3.	Assessi	ment of Multiple Intelligences	
	14.3.1.	Introduction	
	14.3.2.	Background	
	14.3.3.	Types of Assessments	
	14.3.4.	Aspects to Consider in the Assessment	
	14.3.5.	Summary	
	14.3.6.	Bibliographical References	
14.4.	Creativi	ty	
	14.4.1.	Introduction	
	14.4.2.	Concepts and Theories of Creativity	
	14.4.3.	Approaches to the Study of Creativity	
	14.4.4.	Characteristics of Creative Thinking	
	14.4.5.	Types of Creativity	
	14.4.6.	Summary	
	14.4.7.	Bibliographical References	
14.5.	Neuropsychological Basis of Creativity		
	14.5.1.	Introduction	
	14.5.2.	Background	
	14.5.3.	Characteristics of Creative People	
	14.5.4.	Creative Products	
	14.5.5.	Neuropsychological Bases of Creativity	
	14.5.6.	Influence of the Environment and Context on Creativity	
	14.5.7.	Summary	
	14.5.8.	Bibliographical References	
14.6.	Creativi	ty in the Educational Context	
	14.6.1.	Introduction	
	14.6.2.	Creativity in the Classroom	
	14.6.3.	Stages of the Creative Process	
	14.6.4.	How to Work on Creativity	
	14.6.5.	Connection Between Creativity and Thinking	
	14.6.6.	Modification in the Educational Context	
	14.6.7.	Summary	
	14.6.8.	Bibliographical References	

14.7.	7. Methodologies for Developing Creativity		
	14.7.1.	Introduction	
	14.7.2.	Programs for Developing Creativity	
	14.7.3.	Projects for Developing Creativity	
	14.7.4.	Promoting Creativity in the Family Context	
	14.7.5.	Summary	
	14.7.6.	Bibliographical References	
14.8.	Creativi	ty Assessment and Guidance	
	14.8.1.	Introduction	
	14.8.2.	Considerations on Assessment	
	14.8.3.	Evaluation Tests	
	14.8.4.	Subjective Assessment Tests	
	14.8.5.	Guidance on Assessment	
	14.8.6.	Summary	
	14.8.7.	Bibliographical References	
14.9.	High Ca	pacities and Talents	
	14.9.1.	Introduction	
	14.9.2.	Relationship Between Giftedness and High Capacities	
	14.9.3.	Connection Between Heredity and Environment	
	14.9.4.	Neuropsychological Foundation	
	14.9.5.	Models of Giftedness	
	14.9.6.	Summary	
	14.9.7.	Bibliographical References	
14.10.	Identific	ation and Diagnosis of High Capacities	
	14.10.1	. Introduction	
	14.10.2	. Main Characteristics	
	14.10.3	. How to Identify Far High-Capacity Individuals	
	14.10.4	. Role the Involved Agents	
	14.10.5	. Assessment Tests and Instruments	
	14.10.6	. Intervention Programs	
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At TECH we use the Case Method

When faced with a certain situation, what should a professional do? Throughout the program, students will be presented with multiple simulated clinical cases based on real patients, where they will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH, psychologists can experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the psychologist's professional practice.



Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method"

The effectiveness of the method is justified by four fundamental achievements:

- Psychologists who follow this method not only grasp concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.
- 2. The learning is solidly focused on practical skills that allow the psychologist to better integrate the knowledge into clinical practice.
- 3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
- 4 Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



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Re-learning Methodology

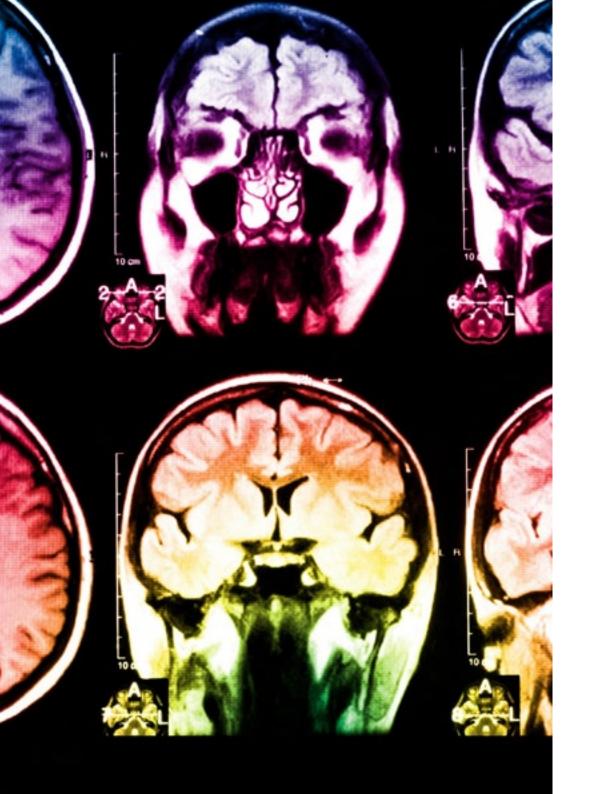
At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing cases.

The psychologist will learn through real cases and by solving complex situations in simulated learning environments.

These simulations are developed using state-of-the-art software to facilitate immersive learning.





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At the forefront of world teaching, the Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 150,000 psychologists with unprecedented success in all clinical specialties. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, each of these elements are combined concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.

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This program offers the best educational material, specifically prepared for professionals:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is really specific and precise.

These contents are then applied to the audio-visual format to create the online work method of TECH. All with the newest techniques that offer items of great quality in all the materials made available to the students.



Latest Techniques and Procedures on Video

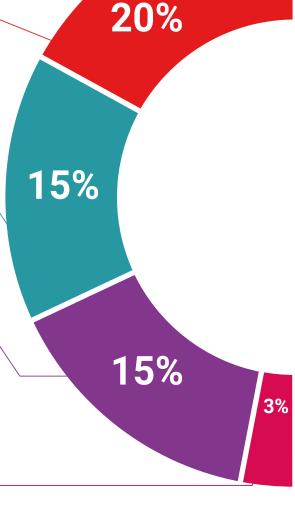
TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current psychology. All of this, first hand, with maximum rigor, explained and detailed to contribute to the assimilation and understanding of the student. And best of all, you can watch them as many times as you want.



Interactive Summaries

The team of TECH presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

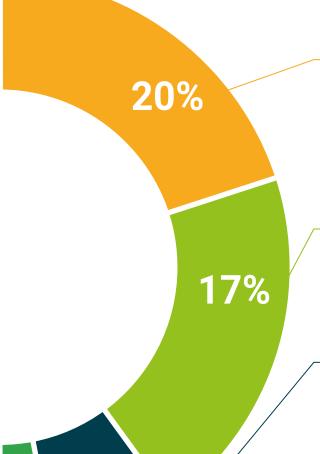
This exclusive multimedia educational content presentation system was awarded by Microsoft as a "European Success Story".





Additional Reading

Recent articles, consensus documents and international guidelines, among others. In the virtual library of TECH, students will have access to everything they need to complete their training.



7%

Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real case developments in which the expert will guide the student through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Retesting

Students' knowledge is periodically evaluated and re-evaluated throughout the program, through assessment and self-assessment activities and exercises: so that, this way, students can see how they are achieving their goals.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.





Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress with their learning.







tech 60 | Certificate

This private qualification will allow you to obtain a **Advanced Master's Degree diploma in Clinical Neuropsychology and Neuroeducation** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University, is an official European University publicly recognized by the Government of Andorra (official bulletin). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: Advanced Master's Degree in Clinical Neuropsychology and Neuroeducation

Modality: online

Duration: 2 years

Accreditation: 120 ECTS





^{*}Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

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Advanced Master's Degree Clinical europsychology and Neuroeducation

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- » Exams: online

