



Memory Processes, Skills and ICT

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Global University

» Credits: 6 ECTS

» Schedule: at your own pace

» Exams: online

website: www.techtitute.com/us/education/postgraduate-certificate/memory-processes-skills-ict

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06 Certificate

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tech 06 | Introduction

Neuropsychology is a complex field. It covers a broad spectrum of intervention that requires the professional to have very specific training in the various branches of brain development. This discipline, deeply linked to neurology and the physiological study of the brain, is affected by the changes that the evolution of knowledge in this scientific branch achieves. This means for the professional an intense challenge of permanent updating that allows them to be at the forefront in terms of approach, intervention and monitoring of the cases that may arise in the classroom.

Throughout this program, the student will review all the current approaches to the work carried out by neuropsychologists regarding the different challenges posed by their profession.

The functioning of memory, language, the relationship between laterality and cognitive development, sensoriality and many other aspects, will be the topics of work and study that the student will be able to integrate in their training. A high-level step that will become a process of improvement, not only on a professional level, but also on a personal level.

This challenge is one of TECH Global University's social commitments: to help highly qualified professionals train and develop their personal, social and work skills during the course of their studies.

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 simpler, more organic, and efficient. We will work to keep you motivated and develop a passion for learning within you. And we will push you to think and develop critical thinking abilities.

A high level of scientific training, supported by advanced technological development and teaching experience of the best professionals. These are some of its differential qualities:

- The latest technology in online teaching software
- A highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand
- Practical cases presented by practising experts
- State-of-the-art interactive video systems.
- Teaching supported by telepractice
- Continuous updating and recycling 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, debate and knowledge forums.
- · Communication with the teacher and individual reflection work
- Content that is accessible from any fixed or portable device with an Internet connection
- Complementary documentation banks that are permanently available, even after the Postgraduate Certificate



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



We offer you a Postgraduate Certificate focused on aspects of high interest for the neuropsychologist, created to be compatible with your professional and personal life"

Our teaching staff is made up of working professionals. This way, we ensure that we provide you with the training update we are aiming for. A multidisciplinary team of qualified and experienced specialists in different environments, who will develop the theoretical knowledge in an efficient manner, but, above all, will put at the service of the graduate the practical knowledge derived from their own experience: one of the differential qualities of this Postgraduate Certificate.

This mastery of the subject is complemented by the effectiveness of the methodological design of this Postgraduate Certificate. Developed by a multidisciplinary team of e-learning experts, it integrates the latest advances in educational technology. This way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your training.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, we will use telepractice: with the help of an innovative interactive video system and *Learning from an Expert* you will be able to acquire the knowledge as if you were scenario the scenario you are learning at that moment. A concept that will allow you to integrate and fix learning in a more realistic and permanent way.

An effective and proactive way to offer students new ways to improve and progress.

Become an agent of change in the educational system, working in line with real integration.







tech 10 | Objectives



General Objectives

- 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

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



This will provide key training to advance your career"







tech 14 | Course Management

Management



Ms. Sánchez Padrón, Nuria Ester

- Degree in Psychology from the University of La Laguna
- Postgraduate Certificate in General Health Psychology, University of La Rioja
- Training in Emergency Psychological Care
- Training in Psychological Care in Penitentiary Institutions
- Teaching and training experience
- Experience in educational attention to children at risk



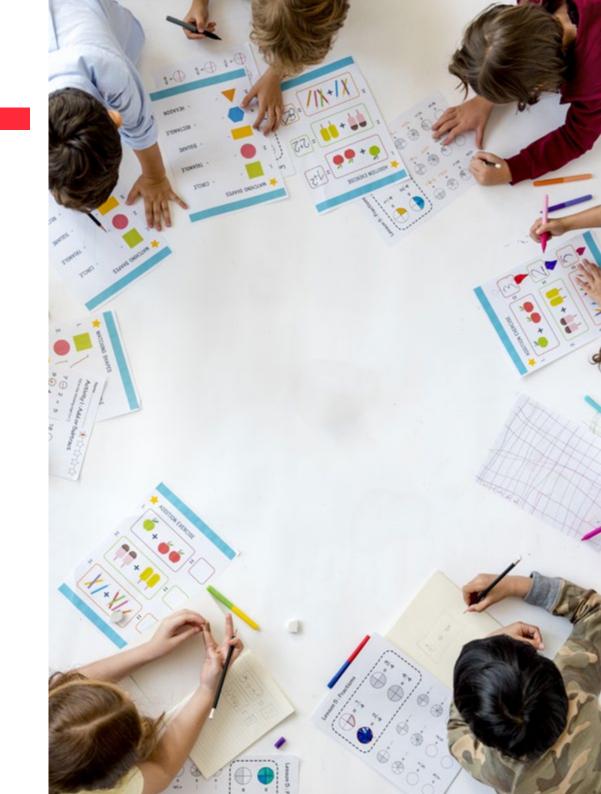




tech 18 | Structure and Content

Module 1. Memory Processes, Skills and ICTs

- 1.1. Conceptual Bases of Memory
 - 1.1.1. Introduction and Objectives
 - 1.1.2. Concept and Definition of Memory
 - 1.1.3. Basic Processes of Memory
 - 1.1.4. Initial Research on Memory
 - 1.1.5. Classification of Memory
 - 1.1.6. Memory During Development
 - 1.1.7. General Strategies to Stimulate Memory
 - 1.1.8. Bibliographical References
- 1.2. Sensory Memory
 - 1.2.1. Introduction and Objectives
 - 1.2.2. Concept and Definition
 - 1.2.3. Neurobiological Foundations of Sensory Memory
 - 1.2.4. Assessing Sensory Memory
 - 1.2.5. Intervention in Educational Contexts of Sensory Memory
 - 1.2.6. Family Activities for Students From Three to Five Years of Age
 - 1.2.7. Sensory Memory Intervention Case Study
 - 1.2.8. Bibliographical References
- 1.3. Short-Term Memory
 - 1.3.1. Introduction and Objectives
 - 1.3.2. Concept and Definition of Short-Term Memory and Working Memory
 - 1.3.3. Neurobiological Bases of Short-Term and Working Memory
 - 1.3.4. Assessment of Short-Term and Working Memory
 - 1.3.5. Intervention in Educational Contexts of Short-Term Memory
 - 1.3.6. Family Activities for Students from Six to Eleven Years of Age
 - 1.3.7. Working Memory Intervention Case Study
 - 1.3.8. Bibliographical References
- 1.4. Long-Term Memory



Structure and Content | 19 tech

- 1.4.1. Introduction and Objectives
- 1.4.2. Concept and Definition
- 1.4.3. Neurobiological Bases of Long-Term Memory
- 1.4.4. Assessment of Long-Term Memory
- 1.4.5. Intervention in Educational Contexts of Long-Term Memory
- 1.4.6. Family Activities for Students from Twelve to Eighteen Years of Age
- 1.4.7. Long-Term Memory Intervention Case Study
- 1.5. Memory Disorders
 - 1.5.1. Introduction and Objectives
 - 1.5.2. Memory and Emotion
 - 1.5.3. Forgetfulness Theories of Forgetfulness
 - 1.5.4. Memory Distortions
 - 1.5.5. Memory Alterations: Amnesias
 - 1.5.6. Childhood Amnesia
 - 1.5.7. Other Types of Memory Alteration
 - 1.5.8. Programs to Improve Memory
 - 1.5.9. Technological Programs to Improve Memory
 - 1.5.10. Bibliographical References
- 1.6. Thinking Skills
 - 1.6.1. Introduction and Objectives
 - 1.6.2. Developing Thinking from Childhood to the Adult Age
 - 1.6.1. Basic Thought Processes
 - 1.6.4. Thinking Skills
 - 1.6.5. Critical Thinking
 - 1.6.6. Characteristics of Digital Natives
 - 1.6.7. Bibliographical References
- 1.7. Neurobiology of Thinking
 - 1.7.1. Introduction and Objectives
 - 1.7.2. Neurobiological Foundations of Thinking
 - 1.7.3. Cognitive distortions
 - 1.7.4. Neuropsychological Assessment Instruments
 - 1.7.5. Bibliographical References
- 1.8. Cognitive Intervention

- 1.8.1. Introduction and Objectives
- 1.8.2. Learning Strategies
- 1.8.3. Cognitive Stimulation Techniques in Educational Contexts
- 1.8.4. Methods for Studying at Home
- 1.8.5. Cognitive Stimulation Activities in the Family Environment
- 1.8.6. Learning Strategy Intervention Case Study
- 1.8.7. Bibliographical References
- 1.9. Cognitive Thought Theories
 - 1.9.1. Introduction and Objectives
 - 1.9.2. Significant Learning Theory
 - 1.9.3. Information Processing Theory
 - 1.9.4. Genetic Theory: Constructivism
 - 1.9.5. Sociocultural Theory: Socioconstructivism
 - 1.9.6. Theory of Connectivism
 - 1.9.7. Metacognition: Learning to Think
 - 1.9.8. Programs for the Acquisition of Thinking Skills
 - 1.9.9. Technological Programs for the Improvement of Thinking Skills
 - 1.9.10. Thinking Skill Intervention Case Study
 - 1.9.11. Bibliographical References



A complete program that will take you through the knowledge you need to compete among the best"



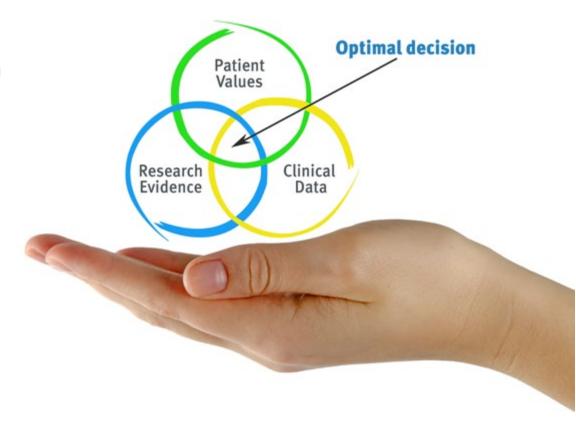


tech 22 | Methodology

At TECH Education School we use the Case Method

In a given situation, what should a professional do? Throughout the program students will be presented with multiple simulated cases based on real situations, where they will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method.

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



It is a technique that develops critical skills and prepares educators to make decisions, defend their arguments, and contrast opinions.



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:

- Educators who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
- 2. The learning process is solidly focused on practical skills that allow educators to better integrate the knowledge into daily practice.
- 3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life teaching.
- **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.



tech 24 | Methodology

Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

Our University is the first in the world to combine case studies 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.

Educators 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.



Methodology | 25 tech

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

With this methodology we have trained more than 85,000 educators with unprecedented success in all 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.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, 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, we combine each of these elements 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, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialist educators 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 audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Educational Techniques and Procedures on Video

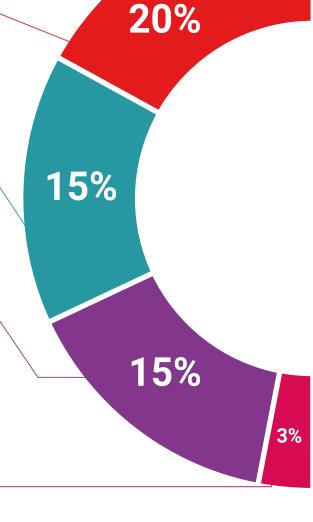
TECH introduces students to the latest techniques, with the latest educational advances, and to the forefront of Education. All this, first-hand, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



Interactive Summaries

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

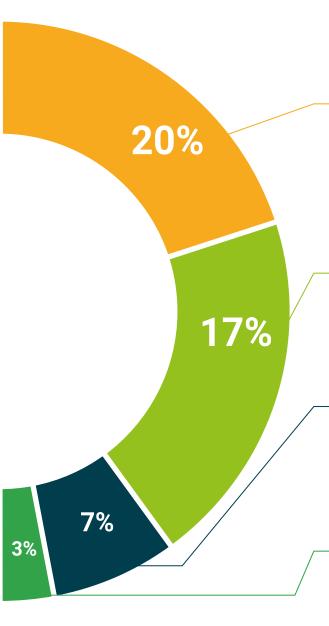
This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".





Additional Reading

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



Expert-Led Case Studies and Case Analysis

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



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises: so that they can see how they are achieving your 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 in their learning.







tech 30 | Certificate

This program will allow you to obtain your **Postgraduate Certificate in Memory Processes, Skills** and ICT 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** title 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: Postgraduate Certificate in Memory Processes, Skills and ICT

Modality: online

Duration: 6 weeks

Accreditation: 6 ECTS



Mr./Ms. _____, with identification document _____ has successfully passed and obtained the title of:

Postgraduate Certificate in Memory Processes, Skills and ICT

This is a program of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024



^{*}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.

tech global university Memory Processes,

Postgraduate Certificate Skills and ICT

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

