Postgraduate Certificate

Memory Processes, Skills and ICT

tech technological university

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Postgraduate Certificate
Memory Processes, Skills and ICT

- Modality: **online**
- Duration: **6 weeks**
- Certificate: **TECH Technological University**
- Dedication: **16h/week**
- Schedule: **at your own pace**
- Exams: **online**

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

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01

Introduction

Neuropsychology has made its way into the educational field. Its intervention proposals and developments have provided teaching with a new way of dealing with difficulties and enhancing the progress of an increasingly diverse student body. This program offers you the opportunity to include skills in this thriving field of knowledge in your training.

ICT has become one of the most active supports in the neuropsychologist's work. Learn with this Postgraduate Certificate to find and use the most interesting of the moment"

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 Technological 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"

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.

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.

02

Objectives

Our objective is to train highly qualified professionals for the working An objective that is complemented, moreover, in a global manner, by promoting human development that lays the foundations for a better society. This objective is focused on helping professionals reach a much higher level of expertise and control. A goal that, in just six months, you will be able to achieve with a highly intensive and precise Postgraduate Certificate.

If your goal is to improve in your profession, to acquire a qualification that will enable you to compete among the best, then look no further: welcome to TECH"

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"

03

Course Management

For our Postgraduate Certificate to be of the highest quality, we are proud to work with a teaching staff of the highest level, chosen for their proven track record in the field of education. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best.

Our professors are professionals with vast experience and they bring their experience and teaching skills to offer you a stimulating and creative training program"

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

04

Structure and Content

The contents of this program have been developed by the different teachers of this Postgraduate Certificate, with a clear purpose: to ensure that our students acquire each and every one of the skills necessary to become true experts in this field.

The content of this Postgraduate Certificate will allow you to learn all aspects of the different disciplines involved in this area: a very complete and well-structured program that will lead you to the highest standards of quality and success.

A quality program in which we provide you with the most up-to-date knowledge and work systems of current neuropsychology"

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

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

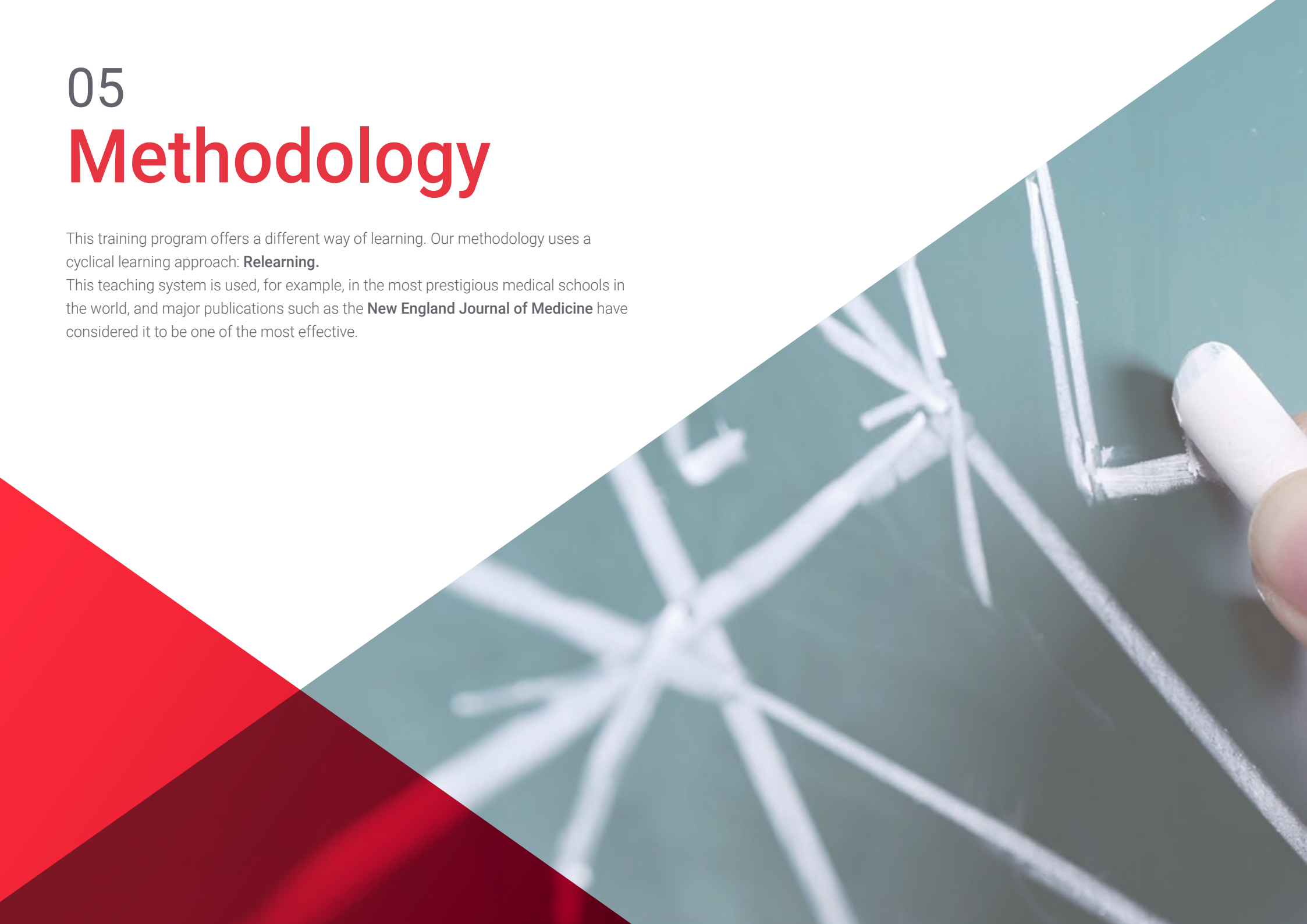
A complete program that will take you through the knowledge you need to compete among the best"

05

Methodology

This training program offers a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

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:

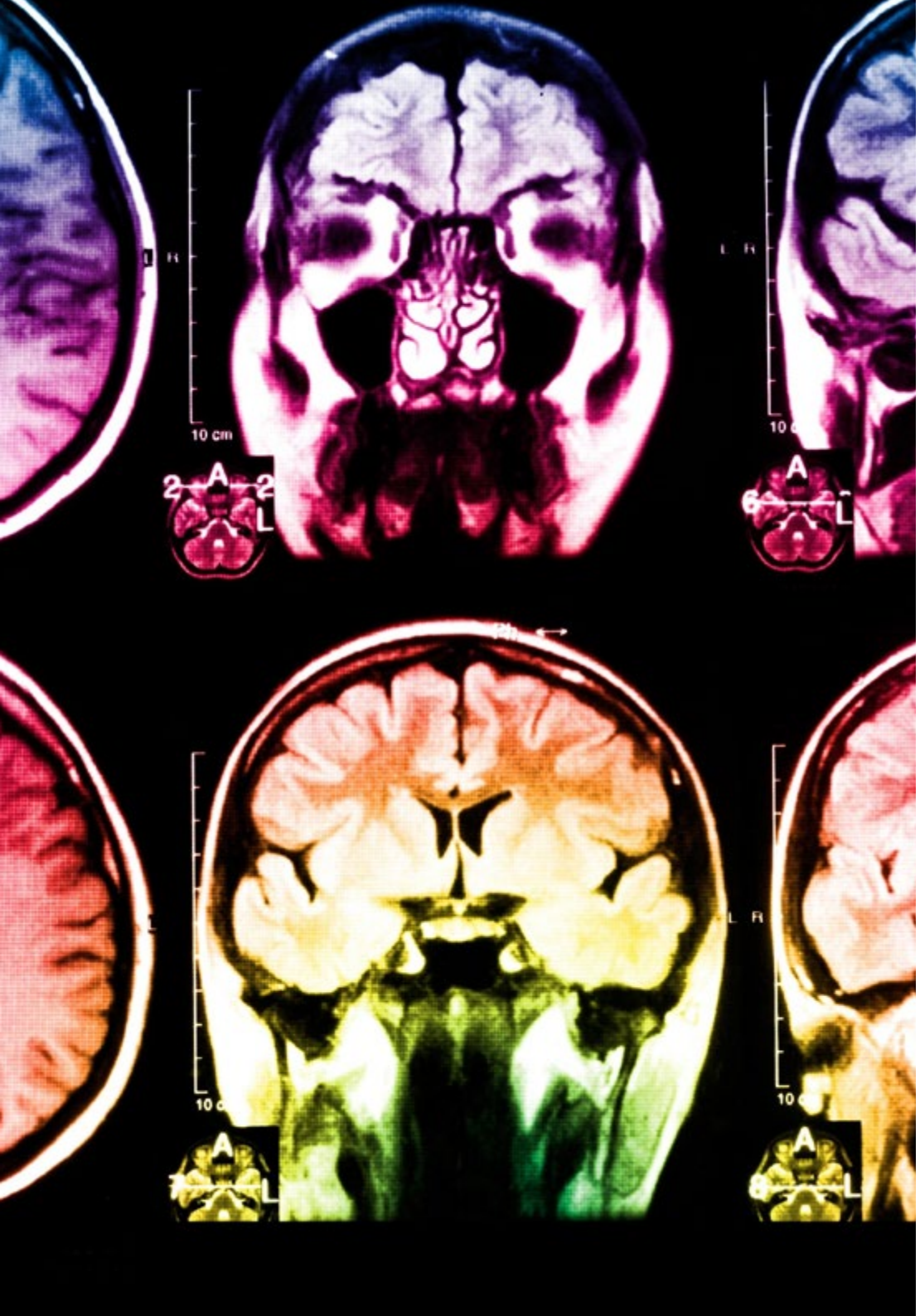
1. Educators who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process is solidly focused on practical skills that allow educators to better integrate the knowledge into daily practice.
3. 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.

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.



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.

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.

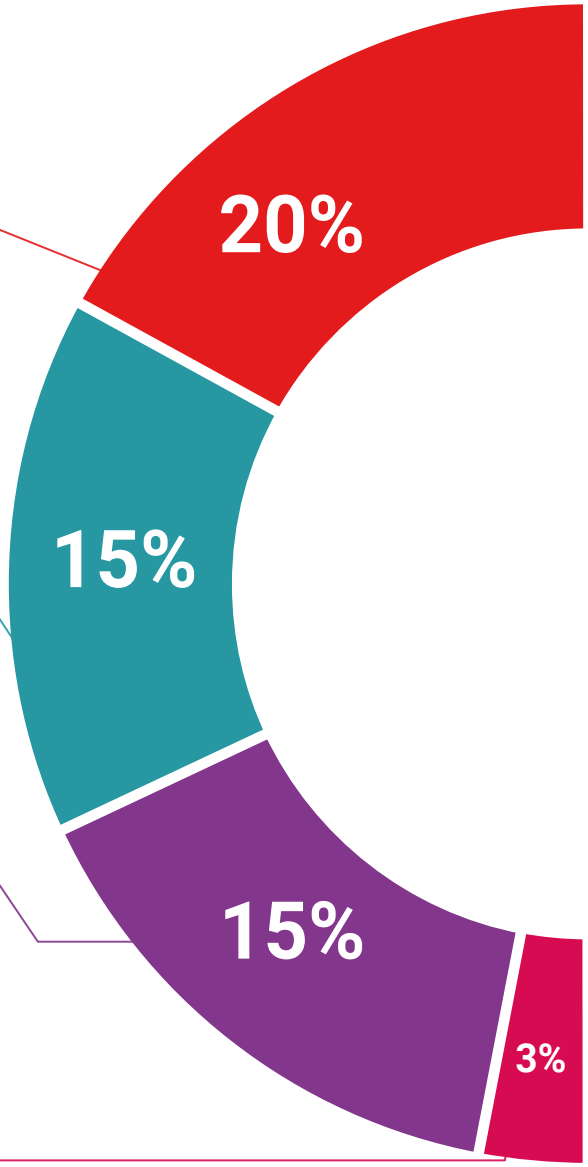
Interactive Summaries

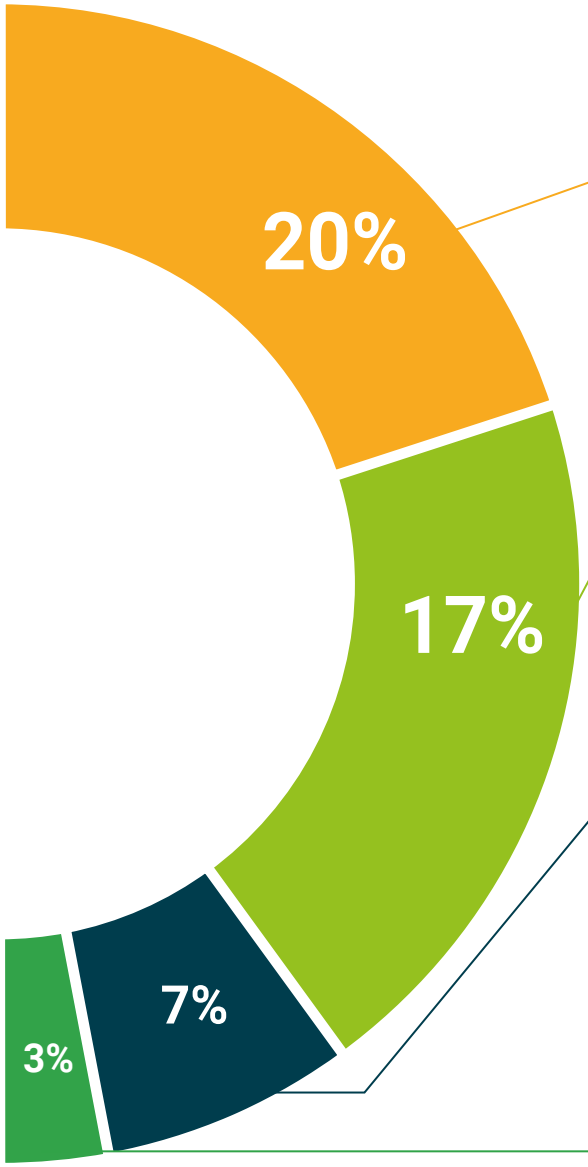
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

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.

06

Certificate

The Postgraduate Certificate in Memory Processes, Skills and ICT guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This **Postgraduate Certificate in Memory Processes, Skills and ICT** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Memory Processes, Skills and ICT**

N.º of Hours: **150 h.**


tech technological university

Awards the following

CERTIFICATE

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Memory Processes, Skills and ICT

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro

Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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