

Postgraduate Certificate

Methodologies, Methods, Tools
and Didactic Strategies Favoring
Physical Neuroeducation



Postgraduate Certificate

Methodologies, Methods, Tools and Didactic Strategies Favoring Physical Neuroeducation

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

Website: www.techtute.com/us/education/postgraduate-certificate/methodologies-methods-tools-didactic-strategies-favoring-physical-neuroeducation

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01

Introduction

Physical activity has an impact on the five dimensions of health: mental, physical, emotional, inner and social. For this reason, physical neuroeducation has acquired a key role in the didactic programs of schools, where teachers adapt physical exercise to the neurological development of students. Taking into account the notorious advantages of physical education in the cognitive processes of students, TECH has designed this program, which focuses on providing the professionals with competencies that allow them to design and implement methods, methodologies, models and evaluation tools in physical neuroeducation. In this way, and after 6 weeks of intensive 100% online instruction, the teacher will be able to quantify the effects of physical activity on the brain development of students.





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Demonstrate and evaluate the effects of physical activity on the cognitive development of your students with this 100% online Postgraduate Certificate"

Nowadays, educational centers choose to establish in their study plans a neuroeducational perspective where psychomotor practice enhances the development of learning. In this way, exercise contributes to the mental and physical health of students, regardless of their age. These benefits not only have an impact on the student's present state, but also generate healthy habits in adulthood.

However, the development of these educational proposals based on scientific evidence requires tools that help to quantify and measure these advantages for students. For this reason, teaching professionals must have a deep knowledge of the latest methods, methodologies and models. In this line, TECH has created this university program, which offers, from a theoretical-practical perspective, a wide range of didactic strategies that favor Physical Neuroeducation.

To this end, students who take this program will have access, 24 hours a day, to a syllabus that will lead them to delve into methods such as the inverted classroom, project-based learning, game-based learning or motor creativity. In addition, thanks to the case studies, you will be able to obtain practical proposals that you will be able to apply directly in your daily teaching activity.

Likewise, thanks to the Relearning method, based on the repetition of content, students will be able to assimilate key concepts much more easily and even reduce the long hours of study and memorization.

TECH offers an excellent opportunity to progress in the teaching sector through a 100% online and flexible university program. Teachers only need an electronic device with an Internet connection to access, at any time of the day, the content hosted on the virtual platform. In this way, you will be able to better manage your study time and reconcile your personal responsibilities with a program at the forefront of academics.

This **Postgraduate Certificate in Methodologies, Methods, Tools and Didactic Strategies Favoring Physical Neuroeducation** contains the most complete and up-to-date educational program on the market. The most important features include:

- Case studies presented by experts in Neuroeducation and Physical Education
- The graphic, schematic and practical contents with which it is conceived scientific and practical information on those disciplines that are essential for professional practice
- Practical exercises where self-assessment can be used to improve learning
- Its special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection



The multimedia pills are part of the didactic resources with which you will be able to delve deeper into the didactic strategies that favor Physical Neuroeducation"

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This program gives you the flexibility you need to combine your daily activities with your professional responsibilities”

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

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

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

Ludification or Gamification? Discover with this Postgraduate Certificate how to successfully implement them in teaching practice.

A program designed for teachers of the XXI century, who want to be aware of the latest tools and assessment models in Physical Neuroeducation.



02

Objectives

In order to provide teachers with in-depth knowledge that will allow them to measure and evaluate the results of physical neuroeducation in their students, TECH has designed the most complete academic program in this field on the market. After 150 hours of intensive learning, the educator will have acquired the skills to successfully put into practice the main tools for examining the learning capacity of their students.



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TECH provides you with the most advanced pedagogical tools on the academic scene, so that you can use them to achieve professional success in the teaching sector"



General Objectives

- ♦ Know the basis and main elements of Neuroeducation
- ♦ Integrate the new contributions of brain science in the teaching-learning processes
- ♦ Discover how to enhance brain development through motor action
- ♦ Implement the innovations in Neuroeducation in the subject of Physical Education
- ♦ Achieve specialized education as a Neuroeducation professional in the field of motor action





Specific Objectives

- ♦ Learn about new teaching methodologies through the Flipped Classroom
- ♦ Use gamification and ludification strategies to promote children's neurophysical learning
- ♦ Know other methods, tools and didactic strategies that would be promoted through Physical Neuroeducation



If your goal is to become a great educator capable of contributing positively to the development of your students through Physical Neuroeducation, then do not hesitate to enroll in this Postgraduate Certificate"

03

Course Management

Learning Physical Neuroeducation and its evaluation methods requires knowledge acquired through the best specialists. For this reason, TECH in this program has brought together an excellent teaching staff with expertise in Neuroeducation, Psychology and Sciences of Physical Activity and Sport. Therefore, their extensive knowledge of this field is reflected in the syllabus of this program, to which students will have easy access from any computer with an Internet connection.





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*Progress in the academic teaching
by the hand of the best specialists
in Physical Neuroeducation"*

Management



Ms. Pellicer Royo, Irene

- ♦ Postgraduate Diploma in Emotional Education at the Jesuitas-Caspe School, Barcelona
- ♦ Professional Master's Degree in Medical Sciences Applied to Physical Activity and Sport by the University of Barcelona
- ♦ Professional Master's Degree in Emotional Education and Well-being from the University of Barcelona
- ♦ Degree in Physical Activity and Sport Sciences at the University of Lérida

Professors

Dr. De la Serna, Juan Moisés

- ♦ Psychologist and Writer expert in Neurosciences
- ♦ Writer specializing in Psychology and Neurosciences
- ♦ Author of the Open Chair in Psychology and Neurosciences
- ♦ Scientific disseminator
- ♦ PhD in Psychology
- ♦ Degree in Psychology. University of Seville
- ♦ Professional Master's Degree in Neurosciences and Behavioral Biology Pablo de Olavide University, Seville
- ♦ Postgraduate Diploma in Teaching Methodology. La Salle University
- ♦ University Specialist in Clinical Hypnosis, Hypnotherapy. National University of Distance Education - UNED
- ♦ Postgraduate Certificate in Social Graduate, Human Resources Management, Personnel Administration. University of Seville
- ♦ Postgraduate Diploma in Project Management, Administration and Business Management. Federation of Services U.G.T
- ♦ Trainer of Trainers. Official College of Psychologists of Andalusia

Ms. Rodríguez Ruiz, Celia

- ♦ Clinical Psychologist at EVEL Center
- ♦ Psychopedagogical Area Manager at Atenea Study Center
- ♦ Pedagogical Advisor at Cuadernos Rubio
- ♦ Editor of Hacer Familia Magazine
- ♦ Editor of Webconsultas Healthcare Medical Team
- ♦ Collaborator at the Eduardo Punset Foundation
- ♦ Degree in Psychology, UNED
- ♦ Degree in Pedagogies from the Complutense University of Madrid
- ♦ University Specialist in Cognitive Behavioral Therapy in Childhood and Adolescence by the UNED
- ♦ Specialist in Clinical Psychology and Child Psychotherapy by INUPSI
- ♦ Trained in Emotional Intelligence, Neuropsychology, Dyslexia, ADHD, Positive Emotions and Communication

Dr. Navarro Ardoy, Daniel

- ♦ Principal CEO at Teacher MBA
- ♦ PROFITH (PRoMoting FITness and Health) Research Group
- ♦ SAFE Research Group
- ♦ EFFECTS 262 Research Group
- ♦ Physical Education Teacher
- ♦ PhD in Physical Education Applied to Health by the Physical Activity and Health Program of the University of Granada
- ♦ PhD in Physical Education Applied to Health with research stay at Karolinska Institutet in Stockholm
- ♦ Degree in Physical Activity and Sport Sciences from the University of Granada

04

Structure and Content

The syllabus of this university program will show the teaching professional the latest developments in the methodologies, tools and evaluation models used in Physical Neuroeducation. Therefore, with a theoretical-practical approach, students will be able to integrate in their daily practice the inverted classroom method, project-based learning, game-based learning or the use of technologies for knowledge. All this, in addition, facilitated by an innovative multimedia content that you can access, comfortably, whenever and wherever you want.





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You are in front of a university program that will provide you with multiple tools and strategies of physical neuroeducation, so that you can transfer them to your school"

Module 1. Methodologies, Methods, Tools and Didactic Strategies favoring Physical Neuroeducation

- 1.1. Flipped Classroom or Inverted Classroom
 - 1.1.1. Description
 - 1.1.2. Practical Proposals
 - 1.1.3. Recommendations for Implementation
- 1.2. Problem-Based and Challenge-Based Learning
 - 1.2.1. Description
 - 1.2.2. Practical Proposals
 - 1.2.3. Recommendations for Implementation
- 1.3. Project-Based Learning
 - 1.3.1. Description
 - 1.3.2. Practical Proposals
 - 1.3.3. Recommendations for Implementation
- 1.4. Case Method and Service Learning
- 1.5. Learning Environments
 - 1.5.1. Description
 - 1.5.2. Practical Proposals
 - 1.5.3. Recommendations for Implementation
- 1.6. Motor Creativity or Corporal Synectics
 - 1.6.1. Description
 - 1.6.2. Practical Proposals
 - 1.6.3. Recommendations for Implementation
- 1.7. Game-Based Learning
 - 1.7.1. Description
 - 1.7.2. Practical Proposals
 - 1.7.3. Recommendations for Implementation





- 1.8. Ludification or Gamification
 - 1.8.1. Description
 - 1.8.2. Practical Proposals
 - 1.8.3. Recommendations for Implementation
- 1.9. Other Methods, Tools and Didactic Strategies that Favor Physical Neuroeducation
 - 1.9.1. Case Method
 - 1.9.2. Didactic Contract
 - 1.9.3. Corner Work
 - 1.9.4. Aronson's Puzzle
 - 1.9.5. Interactive Methodology
 - 1.9.6. Technologies for Learning and Knowledge (TAC)
 - 1.9.7. Portfolio
- 1.10. Methodological guidelines for the design of physical neuroeducation programs
 - 1.10.1. Methodological Orientations According to Physical Neuro-Education
 - 1.10.2. Recommendations for the Design of Programs, Didactic Units and Sessions based on Physical Neuroeducation
 - 1.10.3. Examples of Units and Sessions Based on Physical Neuroeducation



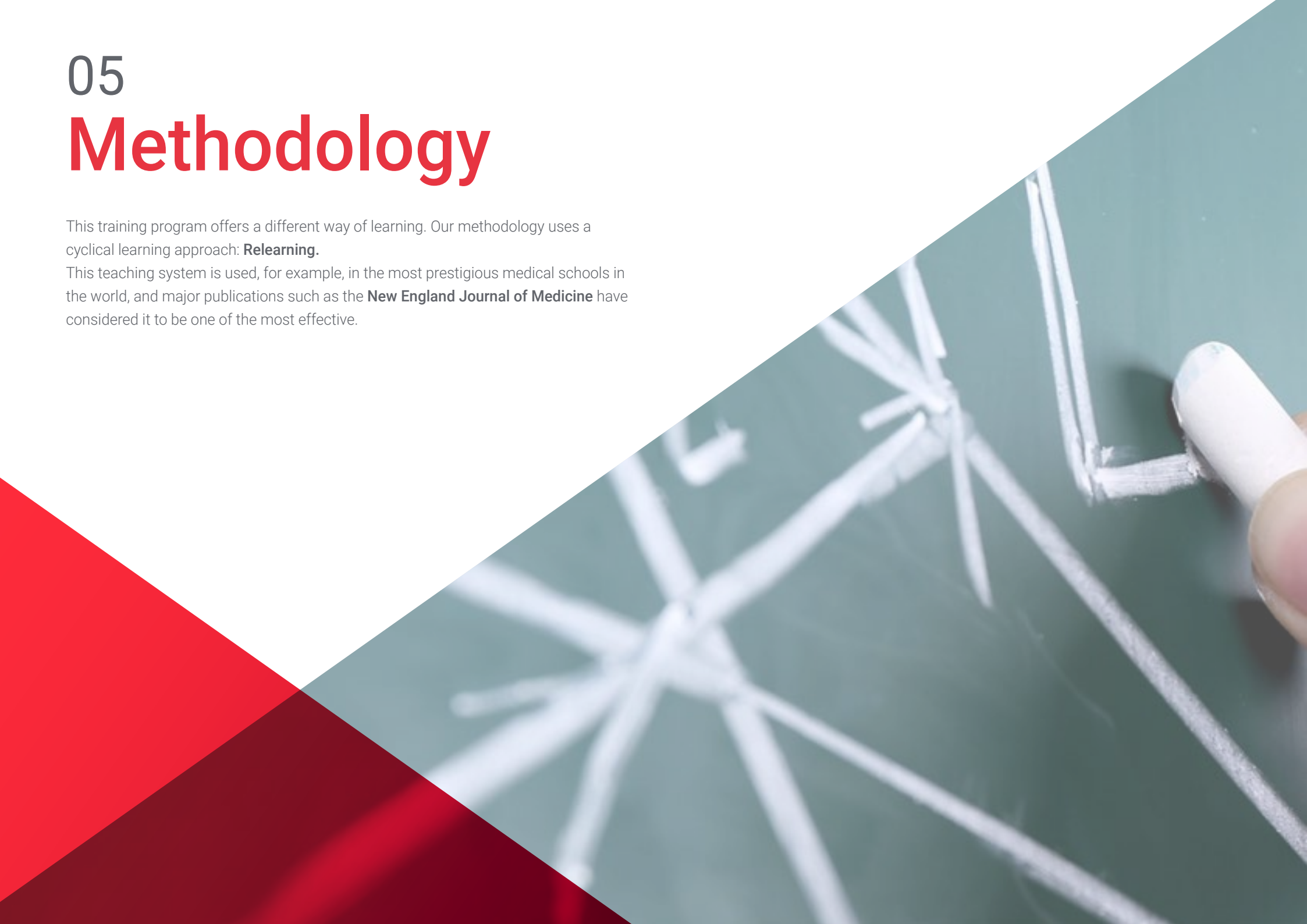
Effectively employ Aronson's Puzzle in your classes and successfully work on cooperative learning"

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.





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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.

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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 Methodologies, Methods, Tools and Didactic Strategies Favoring Physical Neuroeducation guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This private qualification will allow you to obtain a **Postgraduate Certificate in Methodologies, Methods, Tools and Didactic Strategies Favoring Physical 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: **Postgraduate Certificate in Methodologies, Methods, Tools and Didactic Strategies Favoring Physical Neuroeducation**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





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