

# Postgraduate Certificate Pedagogical Models and Assessment in Physical Neuroeducation





## Postgraduate Certificate Pedagogical Models and Assessment in Physical Neuroeducation

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

Website: [www.techtitute.com/us/education/postgraduate-certificate/pedagogical-models-assessment-physical-neuroeducation](http://www.techtitute.com/us/education/postgraduate-certificate/pedagogical-models-assessment-physical-neuroeducation)

# Index

01

Introduction

---

p. 4

02

Objectives

---

p. 8

03

Course Management

---

p. 12

04

Structure and Content

---

p. 16

05

Methodology

---

p. 20

06

Certificate

---

p. 28

# 01

# Introduction

In recent years, methodological systems have been adapted to the needs, interests and possibilities of students, thus guaranteeing learning success. In this scenario, a new pedagogical approach has emerged that goes beyond physical activity. Therefore, the sessions include the posing of problems that encourage the curiosity of the students to solve them. All this requires preparation and knowledge on the part of teaching professionals. In response to this need, TECH has created this program, which provides new pedagogical and evaluation models from the perspective of Physical Neuroeducation. Through a 100% online format and with the most innovative multimedia content, teachers will be able to improve their daily practice and boost their careers in the teaching sector.





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*A 100% online Postgraduate Certificate, which will allow you to put into practice the evaluation of student learning, focusing on Physical NeuroEducation”*

Nowadays, many professionals in the teaching of Physical Education are betting on the realization of sessions based on an educational style that promotes psychomotor, cognitive and socio-affective challenges. All this, with the scientific support of the most recent studies in Neuroeducation.

However, the integration of these new pedagogical models requires an exhaustive and advanced knowledge on the part of teachers, who also need the necessary tools to be able to carry out the evaluation of student learning. For this reason, TECH has designed this program in Pedagogical Models and Assessment in Physical Neuroeducation, of only 6 weeks duration.

Through an advanced syllabus, students will be immersed in the methodology currently used in the subject of Physical Education, the different evaluation systems (competency, formative and personalized) and the different proposals to apply them appropriately in the classroom.

In addition, teachers will have access to attractive multimedia didactic material that can be easily accessed from a computer, tablet or cell phone with an Internet connection. Also, thanks to the Relearning method, based on the reiteration of key concepts throughout the syllabus, you will be able to reduce the hours of study and memorization.

TECH offers an excellent opportunity to grow professionally through a 100% online and flexible program. Students have total freedom to self-manage their study time and visualize the content hosted on the virtual platform. A unique academic option that is compatible with daily responsibilities.

This **Postgraduate Certificate in Pedagogical Models and Assessment in 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
- ♦ Graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out 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



*A university program that will take you into the teaching-learning technique based on inquiry or direct instruction”*

“

*If you have a computer with an Internet connection, you will be able to access 24 hours a day to the practical proposals to evaluate in Physical Education from a neurodidactic perspective"*

The program's teaching staff includes professionals from the sector who contribute their work experience to this educational 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.

The design of this program focuses on Problem-Based Learning, by means of which the professionals must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

*An ideal academic option to combine professional responsibilities with a quality university education. Enroll now.*

*In only 6 weeks you will be up to date with the new pedagogical models and evaluation instruments used in Physical Neuroeducation.*



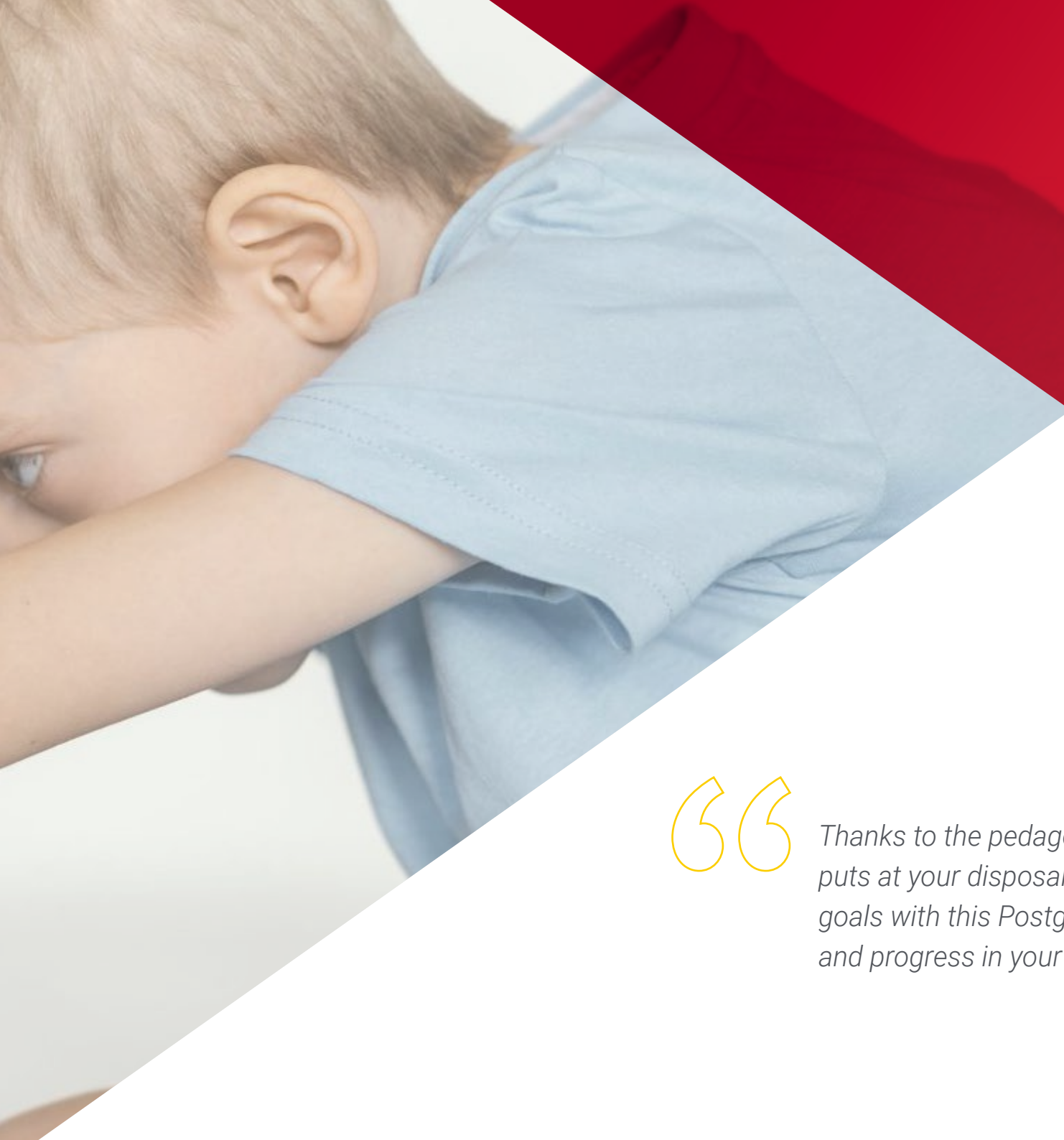
# 02

# Objectives

The objective of this program is to provide the teaching professionals with the different methodological and evaluation tools from the perspective of Physical NeuroEducation. In this way, they will be able to apply, in their daily work, the latest developments in this field and always under the maximum scientific rigor. To achieve this, in addition, they will have the specialized teaching team that integrates this program, which will accompany you at all times, throughout the 6 weeks of duration of this program.







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*Thanks to the pedagogical tools that TECH puts at your disposal, you will achieve your goals with this Postgraduate Certificate and progress in your career as a teacher"*



## General Objectives

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- ♦ Know the basis and main elements in 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 skills as Neuroeducation professionals in the field of Motor Action





## Specific Objectives

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- Know the conceptual approach of the terms related to methodology in Physical Education
- Conduct an assessment of the teaching–learning process in Physical Neuroeducation
- Learn about cooperative learning models and apply them in the sports field



*Discover in this Postgraduate Certificate the importance of myokines and their relationship with exercise and the well-being of the person"*

# 03

# Course Management

TECH has brought together in this program a management and teaching staff versed in Neuroeducation and Physical Activity and Sport Sciences, who transfer their extensive professional background to the syllabus of this program. In addition, given their human quality, they will resolve any doubts that may arise about the importance of invisible training in the brain development of students and their improvement in academic results.





*Learn from the best specialists in Neuroeducation and Physical Activity and Sport Sciences how to implement effective and attractive pedagogical models in your classroom"*

## 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
- ♦ Diploma 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



**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

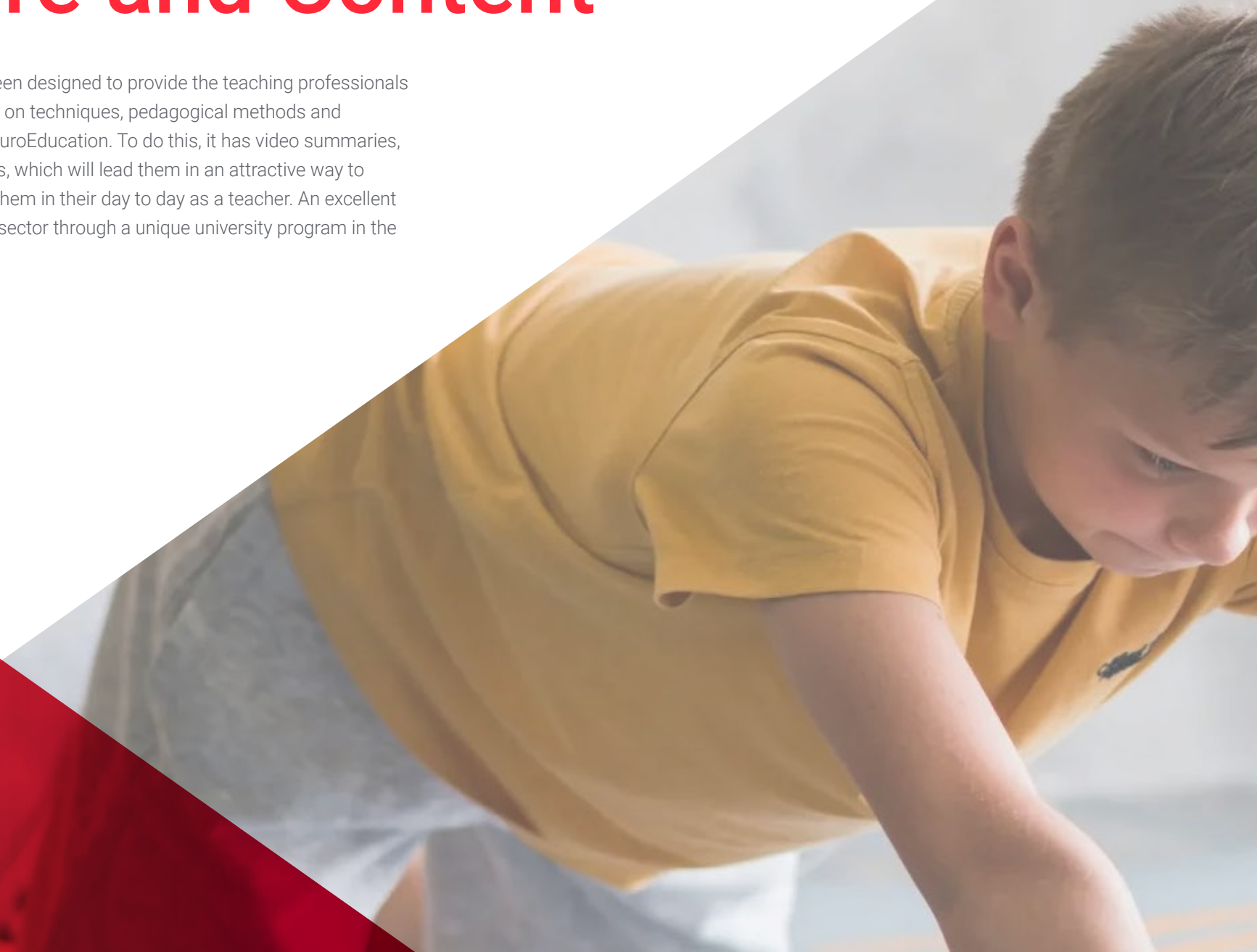
**Ms. Rodríguez Ruiz, Celia**

- ♦ 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

# 04

# Structure and Content

The syllabus of this program has been designed to provide the teaching professionals with the most advanced knowledge on techniques, pedagogical methods and evaluation strategies in Physical NeuroEducation. To do this, it has video summaries, videos in detail or essential readings, which will lead them in an attractive way to assimilate the concepts and apply them in their day to day as a teacher. An excellent opportunity to grow in the teaching sector through a unique university program in the academic panorama.







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*You have an advanced syllabus  
and an eminently practical view of  
Physical NeuroEducation”*

## Module 1. Pedagogical Models and Evaluation in Physical Neuroeducation

- 1.1. Conceptual Approach of the Terms Related to Methodology in Physical Education
  - 1.1.1. Teaching and Learning
  - 1.1.2. Didactic Intervention
  - 1.1.3. Teaching Technique and Style
  - 1.1.4. Teaching-Learning Based on Direct Instruction
  - 1.1.5. Teaching-Learning Based on Inquiry or Searching
  - 1.1.6. Strategy in Practice
  - 1.1.7. Pedagogical Methods and Models
- 1.2. Assessment of the Teaching-Learning Process in Physical Neuroeducation
  - 1.2.1. Conceptual Clarification of the Terms Related to the Assessment
  - 1.2.2. Assessment Techniques, Procedures and Instruments
  - 1.2.3. Types of Assessment in Physical Education
  - 1.2.4. Moments of Physical Education Assessment
  - 1.2.5. Evaluation– Research Binomial
  - 1.2.6. Neuroevaluation in Physical Education
- 1.3. Assessment of Student Learning with Focus on Physical Neuroeducation
  - 1.3.1. Competential Assessment
  - 1.3.2. Formative Assessment
  - 1.3.3. Personalized Assessment
  - 1.3.4. Practical Proposals for Assessment in Physical Education from a Neurodidactic Perspective
- 1.4. Cooperative Learning
  - 1.4.1. Description of the Model
  - 1.4.2. Practical Proposals
  - 1.4.3. Recommendations for Implementation
- 1.5. Sports Education Model (SEM)
  - 1.5.1. Description of the Model
  - 1.5.2. Practical Proposals
  - 1.5.3. Recommendations for Implementation
- 1.6. Personal and Social Responsibility Model
  - 1.6.1. Description of the Model
  - 1.6.2. Practical Proposals
  - 1.6.3. Recommendations for Implementation





- 1.7. Comprehensive Sport Initiation Model (TGfU)
  - 1.7.1. Description of the Model
  - 1.7.2. Practical Proposals
  - 1.7.3. Recommendations for Implementation
- 1.8. Ludotechnical Model
  - 1.8.1. Description of the Model
  - 1.8.2. Practical Proposals
  - 1.8.3. Recommendations for Implementation
- 1.9. Adventure Education Model
  - 1.9.1. Description of the Model
  - 1.9.2. Practical Proposals
  - 1.9.3. Recommendations for Implementation
- 1.10. Other Models
  - 1.10.1. Motor Literacy
  - 1.10.2. Attitudinal Model
  - 1.10.3. Self-Construction of Materials
  - 1.10.4. Health Education
  - 1.10.5. Hybridization of Models

“*An academic option that will allow you to successfully bring the Adventure Education model to your classroom*”

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 Pedagogical Models and Assessment in Physical Neuroeducation guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.





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

This **Postgraduate Certificate in Pedagogical Models and Assessment in Physical Neuroeducation** 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 diploma 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 Pedagogical Models and Assessment in Physical Neuroeducation**

Official N° of Hours: **150 h.**



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

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development language  
virtual classroom



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