

# Postgraduate Certificate

## Neuroeducation Methodologies

Endorsed by the NBA





## Postgraduate Certificate Neuroeducation Methodologies

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

Website: [www.techtitute.com/pk/physiotherapy/postgraduate-certificate/neuroeducation-methodologies](http://www.techtitute.com/pk/physiotherapy/postgraduate-certificate/neuroeducation-methodologies)

# 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

Neuroeducation has become a method that helps to detect some learning disorders, ensuring that the child or person has developed all the skills needed to meet their needs throughout their lives. All this, understanding and analyzing the brain structures involved in the different cognitive and motor processes. In this way, a program focused on this field of action has been developed to deepen in emotionality, attention, motivation and its incidence in the learning processes.





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*Learn about the new trends in neuroeducation to better understand how the brain works in response to certain stimuli”*

The first decade of the 21st century has been known as the "era of the brain" due to the countless studies and advances in knowledge that have been developed around this complex organ. One of the ramifications of Neuroscience that has studied the brain in relation to education is Neuroeducation. As a physical therapist, it is essential to know how the brain learns and reacts to environmental stimuli to ensure positive results in motor therapies.

With the Postgraduate Certificate in Neuroeducation Methodologies program, professionals will learn how the new contributions of brain science are integrated into the teaching and learning processes, allowing them to understand the brain mechanisms that underlie learning, memory, language, sensory and motor systems, attention, emotions and the influence of the environment in all of this.

All the content is available in a 100% online Postgraduate Certificate that gives students the ease of being able to study it comfortably, wherever and whenever they want. Students will only need a device with internet access to take their career one step further. A modality according to the current times with all the guarantees to position professionals in a highly demanded sector.

This **Postgraduate Certificate in Neuroeducation Methodologies** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ Practical cases presented by experts in Neuroeducation
- ◆ The 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 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



*Brain learning has become a fundamental discipline to improve the professional development of physical therapists"*

“

*Position yourself as a professional capable of understanding the neurocognitive process of learning”*

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.

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.

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

*It has a 100% Online program, which will allow you to specialize in this field from anywhere with an internet connection.*

*Correctly identify the factors that influence the teaching-learning process in sports.*



# 02

# Objectives

Setting clear objectives helps to establish the path to follow to achieve a goal. For this reason, TECH develops its programs with the purpose of providing complete information and education to its future graduates. In this way, by focusing on the new methodologies of Neuroeducation, students will be able to understand the learning processes from a global perspective that includes emotional, motivational, physical and communicative factors.







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*Start your professional path by understanding the basics of Neuroeducation and improve your work practice”*



## General Objective

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- ♦ Integrate the new contributions of brain science in the teaching-learning processes

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*An excellent opportunity to provide you with an elite education and improve your professional profile at an international level”*





## Specific Objectives

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- ◆ 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

# 03

# Course Management

Having an excellent group of teachers is fundamental to guarantee the best education. As a result, TECH has assembled a team of professionals to deliver a comprehensive academic program that perfectly meets the demands of today's job market. This is what will ensure students the certainty of receiving the most up to date and complete information, being able to put into practice almost instantaneously everything they learn in each class.





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*The best professionals in the field of Neuroeducation offer you their many years of experience”*

## Management



### Ms. Pellicer Royo, Irene

- ◆ Master's Degree in Emotional Education and Well-being
- ◆ Postgraduate in Neuroeducation
- ◆ Certificate in Management and Administration of Sports Entities
- ◆ Degree in Physical Activity and Sports Science Master's Degree in Medical Sciences applied to Physical Activity and Sport

## Professors

### Dr. De la Serna, Juan Moisés

- ◆ Doctor in Psychology Master's Degree in Neurosciences and Behavioral Biology
- ◆ University Specialist in Clinical Hypnosis
- ◆ Director of the Open Chair in Psychology and Neurosciences
- ◆ Diploma in Didactic Methodology Expert in Project Management Occupational Trainer

### Dr. Navarro Ardoy, Daniel

- ◆ PhD. Exercise Physiology Applied to Health Physical activity and health program Faculty of Medicine
- ◆ Degree in Physical Activity and Sports Science

### Ms. Rodríguez Ruiz, Celia

- ◆ Specialization in clinical psychology and child psychotherapy
- ◆ Specialization in Cognitive Behavioral Therapy in Childhood and Adolescence
- ◆ Degree in Pedagogy
- ◆ Degree in Psychology



# 04

## Structure and Content

The syllabus of the Postgraduate Certificate in Neuroeducation Methodologies focuses on providing the best content in this field of research and development. For this reason, students will see their knowledge enhanced from the first class, bringing them a little closer to the excellence required of professionals in this field. As a result, they will be able to better understand emotionality, attention and motivation and their impact on learning processes. All this, from a global point of view for the sake of its application at an international level, incorporating all the fields of work involved in the development of professionals in this type of work environment.







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*Improve your methods with your patients thanks to quality content backed by the experience of experts”*

## Module 1. Neuroeducation

- 1.1. Introduction to Neuroeducation
  - 1.1.1. Fundamentals of Psychological Processes in the Classroom
  - 1.1.2. Neuroeducation in the Classroom
- 1.2. Main Neuromyths
  - 1.2.1. Age of Learning
  - 1.2.2. Autism Brain
- 1.3. Attention
  - 1.3.1. Brain and Attention
  - 1.3.2. Attention in the Classroom
- 1.4. Emotion
  - 1.4.1. Brain and Emotion
  - 1.4.2. Emotion in the Classroom
- 1.5. Motivation
  - 1.5.1. Brain and Motivation
  - 1.5.2. Motivation in the Classroom
- 1.6. The Learning Process
  - 1.6.1. Motivation in the Classroom
  - 1.6.2. Learning in the Classroom
- 1.7. Memory
  - 1.7.1. Brain and Memory
  - 1.7.2. Memory in the Classroom
- 1.8. Stimulation and Early Interventions
  - 1.8.1. Social Influence on Learning
  - 1.8.2. Cooperative Learning
- 1.9. Importance of Creativity in Neuroeducation
  - 1.9.1. Defining Creativity
  - 1.9.2. Creativity in the Classroom
- 1.10. Methodologies that allow the Transformation of Education in Neuroeducation
  - 1.10.1. The Traditional Methodology in Education
  - 1.10.2. The New Methodology from Neuroeducation





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*The best education is within your reach with the completion of this Postgraduate Certificate program"*

# 05 Methodology

This academic program offers students 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 we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Physiotherapists/kinesiologists learn better, faster, and more sustainably over time.

*With TECH you will 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 of professional physiotherapy practice.

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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. Physiotherapists/kinesiologists 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 has a clear focus on practical skills that allow the physiotherapist/kinesiologist to better integrate into the real world.
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.



## Relearning Methodology

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

This 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, a real revolution with respect to the mere study and analysis of cases.



*The physiotherapist/kinesiologist 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 trained more than 65,000 physiotherapists/kinesiologists with unprecedented success in all clinical specialties, regardless of the workload. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

*Relearning 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 for 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 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 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.



#### Physiotherapy Techniques and Procedures on Video

TECH brings students closer to the latest techniques, the latest educational advances and to the forefront of current Physiotherapy techniques and procedures. All of this in direct contact with students and explained in detail so as to aid their 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 unique multimedia content presentation training 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 their goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as 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 Neuroeducation Methodologies 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 Neuroeducation Methodologies** contains the most complete and up-to-date scientific 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 Neuroeducation Methodologies**

Official N° of hours: **150 h.**

Endorsed by the **NBA**



\*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.

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



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Neuroeducation

Methodologies

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