

# Postgraduate Certificate

The Future of Physiotherapy  
in Early Care



## Postgraduate Certificate The Future of Physiotherapy in Early Care

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

Website: [www.techtute.com/us/physiotherapy/postgraduate-certificate/future-physiotherapy-early-care](http://www.techtute.com/us/physiotherapy/postgraduate-certificate/future-physiotherapy-early-care)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Structure and Content

---

*p. 12*

04

Methodology

---

*p. 16*

05

Certificate

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*p. 24*

# 01

# Introduction

Child physiotherapy covers the assessment and treatment of children who present any alteration in body movement or normal motor function, as well as delayed motor development and the consequences of alterations caused by any neurological, traumatological or cardio-respiratory pathology. Therefore, it is important for professionals in the discipline to learn about new treatments that help improve the quality of life of more patients. This program in the Future of Physiotherapy in Early Care, provides high-level knowledge where students will delve into this highly demanded topic in healthcare.





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*It is essential to obtain an academic update in the latest advances in child physiotherapy to know the new treatment techniques that are helping many patients”*

Physiotherapy in Early Care includes assessing, treating and monitoring a child from birth, identifying risk situations and disorders, while also considering close relatives in their daily environment. In this sense, professionals in this field are functional experts who promote the acquisition and development of functional capacities in children, while also enhancing the competencies of parents and generating different opportunities for participation in different daily situations.

This can be achieved through a set of tools and techniques that motivate children to develop their abilities. There is currently a wide range of options that have been developed thanks to the research and work of other professionals in this discipline. Thus, it is essential for more physiotherapists to update and become familiar with the procedures that have revolutionized this field of work.

Based on the above, this Postgraduate Certificate will address the most pioneering techniques emerging in early care, such as animal therapy, the importance of pre and post-natal stimulation, MHELP, virtual reality, and others. In addition, the impact of a very widespread health problem worldwide and with increasing incidence in recent years will be discussed: childhood obesity. Finally, the program will cover searching for scientific literature to find evidence-based treatments.

The extensive experience of the teaching staff and their training in the field of child physiotherapy, both nationally and internationally, positions this program above others on the market, so graduates will have an excellent reference. Both the course director and the professors on the program will put their knowledge and professional experience at the disposal of students in a practical manner. Therefore, this course will swiftly provide students with knowledge of every aspect related the future of Physiotherapy in Early Care.

A 100% online Postgraduate Certificate that provides the student with the ease of being able to study it comfortably, wherever and whenever they want. All you need is a device with internet access to take your career one step further. A modality in keeping with the current times and all the guarantees to position Physiotherapists in a highly demanded field.

This **Postgraduate Certificate in The Future of Physiotherapy in Early Care** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ♦ 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
- ♦ Supplementary documentation databases are permanently available, even after the program



*A comprehensive program created for physiotherapy professionals that will allow you to balance your studies with other professional responsibilities and access the course from any location with total flexibility”*

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*Our innovative telepractice concept will give you the opportunity to learn through an immersive experience, which means a faster assimilation and a much more realistic view of the contents”*

The program’s teaching staff includes professionals from the sector who contribute their work experience to this 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 specialization programmed to learn in real situations.

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

*It is a unique opportunity to specialize and stand out in a sector with a high demand for professionals.*

*Update your knowledge with this program in the Future of Physiotherapy in Early Care.*



# 02 Objectives

This Postgraduate Certificate has been created from start to finish to be a tool for personal and professional growth for physiotherapists by gaining deeper insight into the key medical advances in respiratory physiotherapy in pediatric patients. The knowledge acquired in the development of the points of the syllabus will drive the professional from a global perspective, with full capacity to achieve the proposed goals. You will develop comprehensive skills to identify alternative therapies, such as animal therapy, as well as the problems and consequences of children suffering from childhood obesity. To this end, TECH establishes a series of general and specific objectives to fulfill future graduates' expectations.







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*Cutting-edge education, created to propel you toward greater competitiveness in the labor market”*



## General Objectives

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- ♦ Facilitate specializing in Physiotherapy in Early Care
- ♦ Reinforce the importance of the role of the family
- ♦ Acquire extensive knowledge of normal and pathological development in children
- ♦ Describe the assessment and evaluation methods used in Early Care Physiotherapy
- ♦ Gain detailed knowledge of frequent childhood pathologies
- ♦ Recognize methods, techniques and tools used in Early Care treatments



*Highly specialized objectives in a qualification created to create the best professionals in the future of Physiotherapy in Early Care”*





## Specific Objectives

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- ♦ Thoroughly understand animal therapy
- ♦ Acquire knowledge of sensory stimulation
- ♦ Expose the problem of childhood obesity and its consequences
- ♦ Learn what pre- and post-natal stimulation consists of and how to conduct a standard session
- ♦ Present options for social participation in disability
- ♦ Apply the Newborn Individualized Developmental Care and Assessment Program (NIDCAP)
- ♦ Present new technologies as therapeutic options MHELP, virtual reality, etc.
- ♦ Carry out evidence-based treatments

03

# Structure and Content

The syllabus has been designed based on the latest advances made in physiotherapy in Early Care, allowing students to identify and learn about animal therapy and other novel methods such as sensory stimulation. This has established a curriculum that offers a broad perspective of the options for social participation in disability and for assessment and care programs for newborns. Students will see their knowledge broadened from the very beginning, which will enable them to develop professionally with the support and assistance of a team of experts.





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*An impressive teaching staff will be your professors during the program: A unique opportunity not to be missed”*

## Module 1. New Perspectives in Early Care

- 1.1. Animal-Assisted Therapies
  - 1.1.1. Conceptualization of Animal-Assisted Therapies
  - 1.1.2. Use in Early Care
- 1.2. Sensory Stimulation
  - 1.2.1. The Sensory Stimulation Room
  - 1.2.2. Physiotherapy Use in Early Care
  - 1.2.3. Differences between Sensory Stimulation and Sensory Integration
- 1.3. Childhood Obesity.
- 1.4. Pre- and Postnatal Stimulation
- 1.5. Social Participation
  - 1.5.1. The Importance of Social Participation in Disability
  - 1.5.2. The Role of Physiotherapy in Social Participation
- 1.6. Inclusive Spaces and Playgrounds
  - 1.6.1. The Objectives behind Inclusive Spaces and/or Inclusive Playgrounds
  - 1.6.2. The Role of Physiotherapy in Creating Such Spaces and/or Playgrounds
- 1.7. Newborn Individualized Developmental Care and Assessment Program (NIDCAP)
- 1.8. Therapeutic Web and Mobile MHELP Applications
- 1.9. New Technologies (Virtual and Immersive Reality)
- 1.10. Evidence-Based Intervention
  - 1.10.1. Databases and Search Engines
  - 1.10.2. Search Keywords
  - 1.10.3. Scientific Journals
  - 1.10.4. Scientific Article
  - 1.10.5. Evidence-Based Practice





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*A comprehensive syllabus that will gradually take you through each and every one of the advances in Physiotherapy in Early Care that professionals need to learn”*

# 04

# 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.







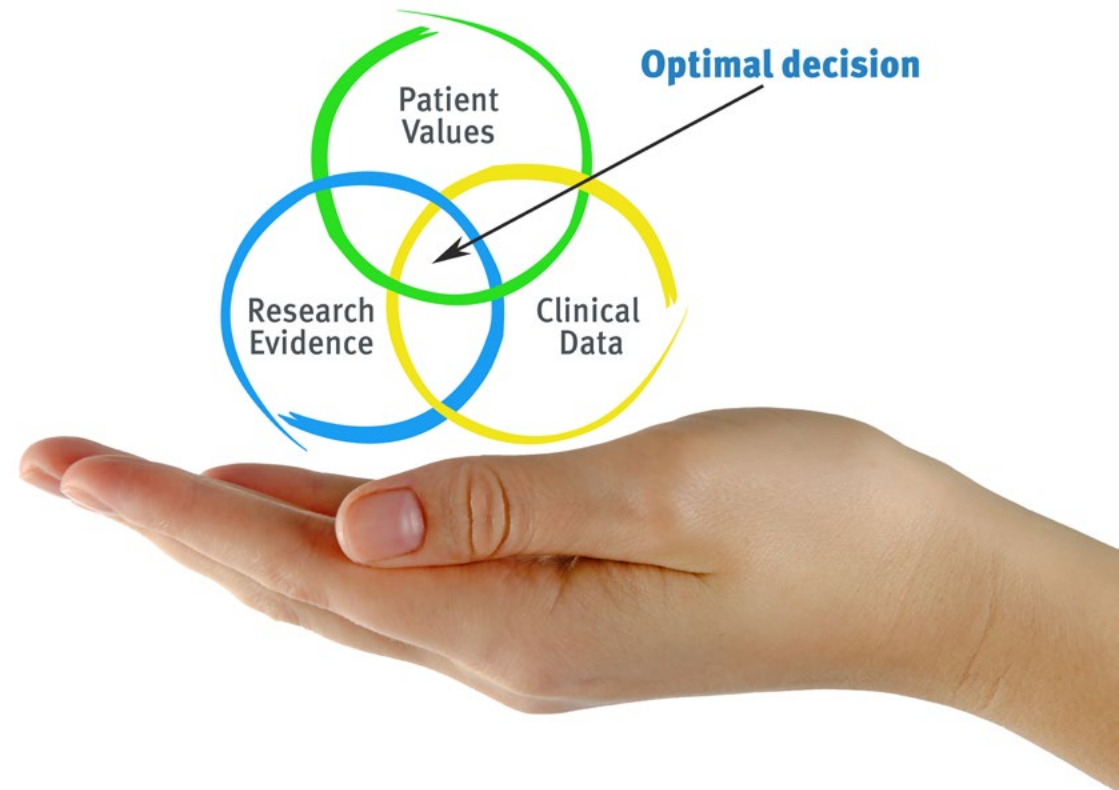
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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.



# 05 Certificate

The Postgraduate Certificate in The Future of Physiotherapy in Early Care 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 The Future of Physiotherapy in Early Care** 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 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 The Future of Physiotherapy in Early Care**

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

**tech** technological  
university

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