

# Postgraduate Certificate

## Neurophysiological Principles of Relaxation and Meditation



## Postgraduate Certificate

### Neurophysiological Principles of Relaxation and Meditation

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

Website: [www.techtute.com/us/physiotherapy/postgraduate-certificate/fascial-system](http://www.techtute.com/us/physiotherapy/postgraduate-certificate/fascial-system)

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# 01

# Introduction

The constant practice of Yoga helps in the prevention of injuries and prevents fascial dysfunction, which has led physical therapists to recommend it and even apply it more and more as a complement to traditional therapeutic treatment. With this reality as a premise, TECH has designed a 100% online academic program, which allows physical therapists to be updated in the Neurophysiological Principles of Relaxation and Meditation with the utmost scientific rigor and using the most advanced teaching material, which will be accessible from any electronic device with an Internet connection to review it wherever and however you want.





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*An academic journey through the different Yoga postures and how to apply them to the Neurophysiological Principles of Relaxation and Meditation”*

Today's unhealthy lifestyle leads to an increase in injuries to the Neurophysiological Principles of Relaxation and Meditation.

However, practicing physical activity such as Yoga contributes significantly to reducing pain and correcting posture. It is an alternative to traditional therapies and perfectly complements treatments for certain pathologies. It is for this reason that many physiotherapists incorporate this discipline in their work practice with some patients.

In order to meet this need, this 6-week course on the Neurophysiological Principles of Relaxation and Meditation, which has the most innovative didactic content in the current academic panorama, is designed. The program includes an advanced syllabus and a Masterclass given by one of the most important instructors in the world of Yoga. In addition, thanks to the multimedia teaching resources, specialized readings and case studies, students will be able to delve into Fascia, Myofascial Chains, active and passive postures and the main imbalances more easily.

This quality university program is an excellent opportunity to update the physiotherapist's knowledge. In addition, it is compatible with the highest responsibilities, since the student only needs an electronic device and a connection to the network to access the wide range of content offered by TECH.

This **Postgraduate Certificate in Neurophysiological Principles of Relaxation and Meditation** contains the most complete and up-to-date scientific program on the market. Its most notable features are:

- ◆ Case studies presented by Yoga experts.
- ◆ 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 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



*An academic alternative that will elevate your competencies for the diagnosis and treatment of diseases that affect the Fascia"*

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*Delve at any time into the varieties of mechanoreceptors and their relevance to the various types of Yoga.”*

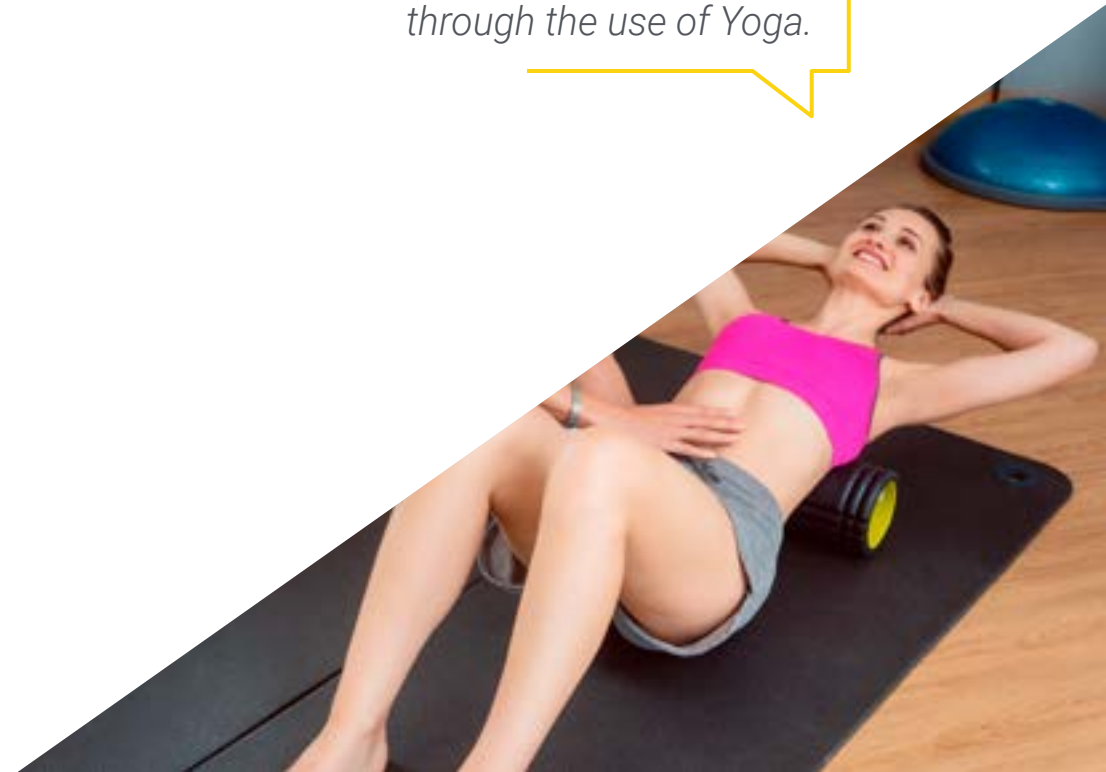
The program’s teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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.

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 students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*You will reduce your study time and consolidate the essential concepts with ease thanks to the Relearning methodology, a pioneer system in TECH.*

*An alternative that gives you the possibility to increase your skills for the diagnosis and healing of disorders of the musculoskeletal system through the use of Yoga.*

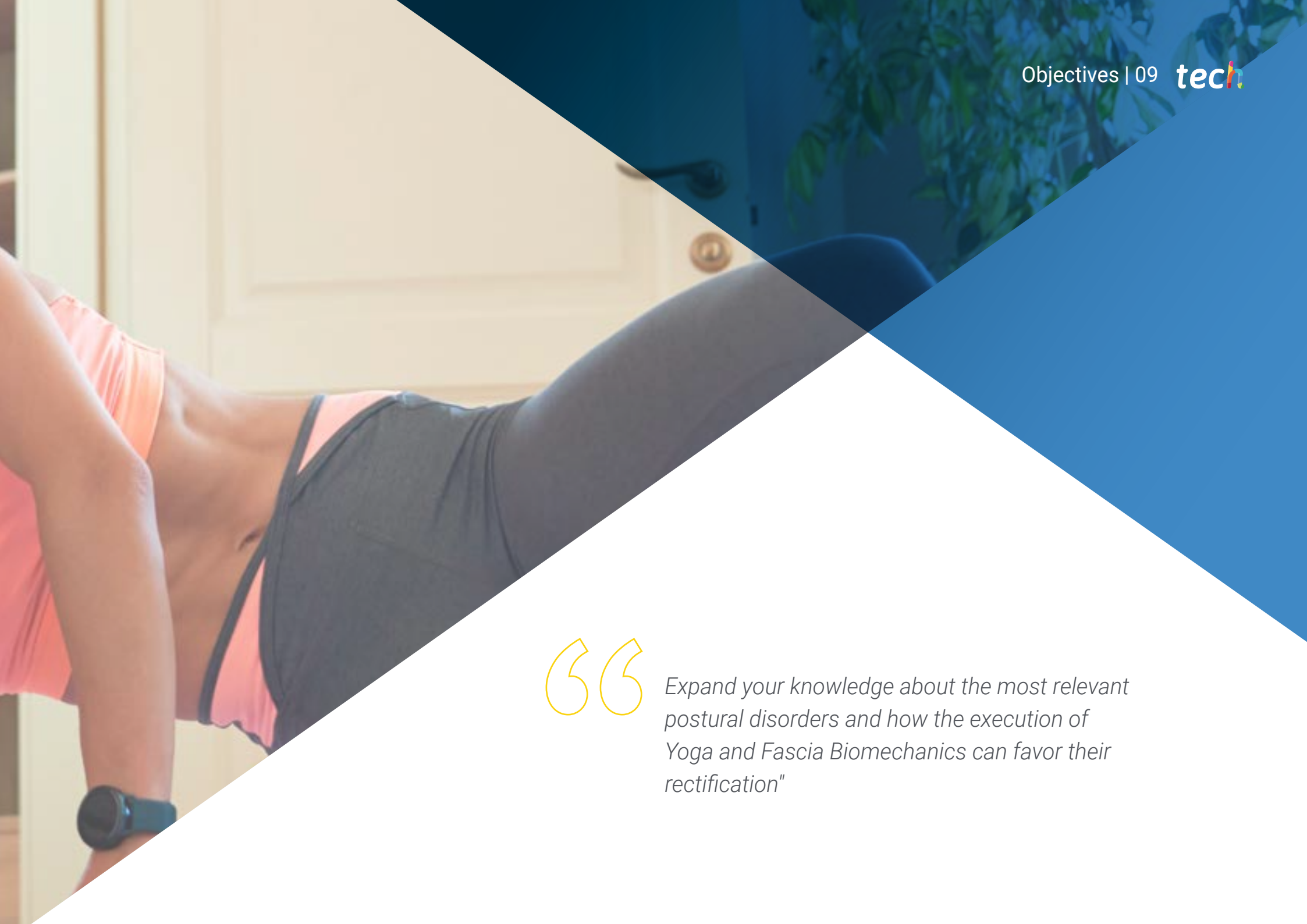


# 02 Objectives

TECH offers the most innovative teaching resources, which have the latest technology applied in the academic field in order to bring to the forefront knowledge about the Neurophysiological Principles of Relaxation and Meditation, as well as delve into its history, concept and relevance in the practice of this discipline. In addition, the theoretical-practical approach of this Postgraduate Certificate will allow the physical therapist to include Yoga Therapy as a complementary treatment in the approach to various pathologies, especially in the field of Neurophysiological Principles of Relaxation and Meditation.







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*Expand your knowledge about the most relevant postural disorders and how the execution of Yoga and Fascia Biomechanics can favor their rectification"*



## General Objectives

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- ♦ Incorporate the knowledge and skills that are necessary for the correct development and application of Therapeutic Yoga techniques from a clinical point of view.
- ♦ Create a Yoga program designed and based on scientific evidence.
- ♦ Delve into the most appropriate asanas according to the characteristics of the person and the injuries present
- ♦ Delve into the studies on biomechanics and its application to asanas of Therapeutic Yoga
- ♦ Describe the adaptation of Yoga asanas to the pathologies of each person
- ♦ Deepen the knowledge of Neurophysiological basis of existing meditation and relaxation techniques



*A program that integrates the scientific evidence related to the Neurophysiological Principles of Relaxation and Meditation and their use in Therapeutic Yoga"*





## Specific Objectives

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- Delve into the history and concept of fascia, and its importance in yoga practice
- Delve into the different types of mechanoreceptors in the fascia and how to apply them in different styles of yoga
- Point out the need to apply the term fascia in yoga classes for a more effective and conscious practice
- Explore the origin and development of the term tensegrity, and its application in the practice of yoga
- Identify the different myofascial pathways and the specific postures for each of the chains
- Apply fascia biomechanics in yoga practice to improve mobility, strength and flexibility
- Identify the main postural imbalances and how to correct them through the practice of yoga and fascial biomechanics

# 03

## Course Management

One factor that sets this degree apart is its outstanding faculty composed of internationally renowned experts in the area of Therapeutic Yoga. In this way, TECH has unified a first class group that will provide its extensive knowledge in this discipline and guarantees a curriculum of excellence, based on the latest scientific research. In addition, the proximity of the teachers gives students the opportunity to clarify any concerns that may arise about the content of the program.



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*A program that includes a Masterclass given by the director of teachers and head of instructor specialization at the Integral Yoga Institute in New York"*

## International Guest Director

As the Director of Teachers and Head of Instructor Training at the Integral Yoga Institute in New York, Dianne Galliano is positioned as one of the most important figures in the field internationally. Her academic focus has been primarily therapeutic yoga, with over 6,000 documented hours of teaching and continuing education.

In this way, her work has been to mentor, develop training protocols and criteria, and provide continuing education to Integral Yoga Institute instructors. She combines this work with her role as a therapist and instructor in other institutions such as The 14TH Street Y, Integral Yoga Institute Wellness Spa or the Educational Alliance: Center for Balanced Living.

Her work also extends to creating and directing yoga programs, developing exercises and evaluating challenges that may arise. She has worked throughout her career with many different profiles of people, including older and middle-aged men and women, prenatal and postnatal individuals, young adults, and even veterans with a range of physical and mental health issues.

For each one of them she performs a careful and personalized work, having treated people with osteoporosis, in the process of recovery from heart surgery or post-breast cancer, vertigo, back pain, Irritable Bowel Syndrome and obesity. She has several certifications, including E-RYT 500 by Yoga Alliance, Basic Life Support (BLS) by American Health Training and Certified Exercise Instructor by the Somatic Movement Center



## Ms. Galliano, Dianne

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- Director of the Integral Yoga Institute, New York, U.S.A.
- Therapeutic Yoga Instructor at The 14TH Street Y
- Yoga Therapist at Integral Yoga Institute Wellness Spa in New York City
- Therapeutic Instructor at Educational Alliance: Center for Balanced Living
- Degree in Primary School Education from the State University of New York
- Master's Degree in Yoga Therapy from the University of Maryland

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*Thanks to TECH you will be able to learn with the best professionals in the world"*

## Management



### Ms. Escalona García, Zoraida

- ◆ Vice President of the Spanish Association of Therapeutic Yoga
- ◆ Founder of the *Air Core* method (classes that combine TRX and Functional Training with Yoga)
- ◆ Trainer in Therapeutic Yoga
- ◆ Degree in Biological Sciences from the Autonomous University of Madrid.
- ◆ Teacher Courses: Course in Progressive Ashtanga Yoga, FisiomYoga, Yoga Myofascial and Yoga and Cancer Teacher
- ◆ Pilates Floor Pilates Instructor Course
- ◆ Course in Phytotherapy and Nutrition
- ◆ Meditation Teacher Course

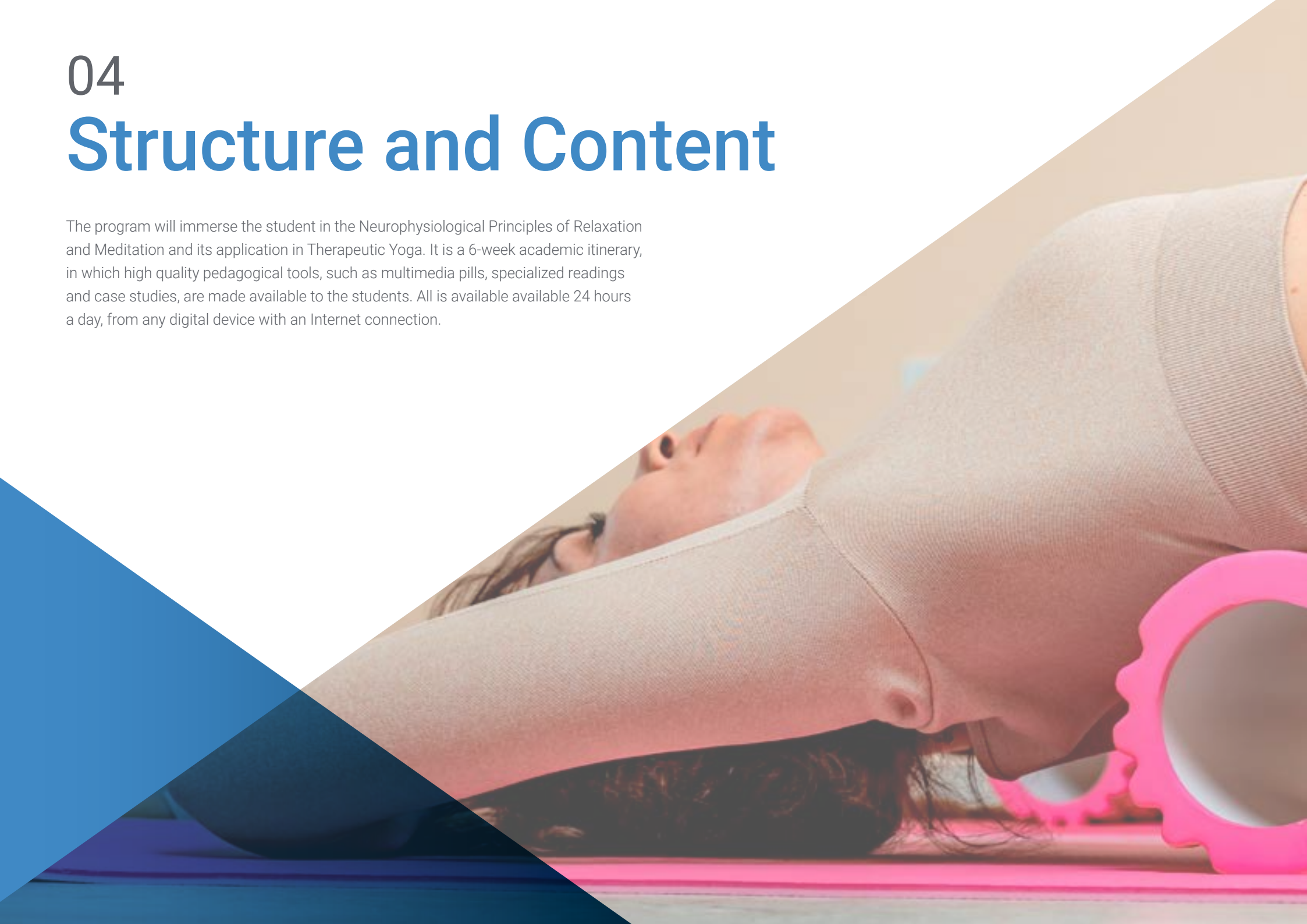




# 04

## Structure and Content

The program will immerse the student in the Neurophysiological Principles of Relaxation and Meditation and its application in Therapeutic Yoga. It is a 6-week academic itinerary, in which high quality pedagogical tools, such as multimedia pills, specialized readings and case studies, are made available to the students. All is available available 24 hours a day, from any digital device with an Internet connection.





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*You'll have access to the extensive digital library, and you'll have top-notch teaching resources to keep you up to date.”*

## Module 1. Fascial System

- 1.1. Fascia
  - 1.1.1 History
  - 1.1.2 Fascia vs. Aponeurosis
  - 1.1.3 Types
  - 1.1.4 Functions
- 1.2. Types of Mechanoreceptors and Their Importance in Different Yoga Styles
  - 1.2.1 Importance
  - 1.2.2 Golgi
  - 1.2.3 Paccini
  - 1.2.4 Ruffini
- 1.3. Myofascial Chains
  - 1.3.1 Definition
  - 1.3.2 Importance in Yoga
  - 1.3.3 Tensegrity Concept
  - 1.3.4 The Three Diaphragms
- 1.4. SBL: Superficial Back Line
  - 1.4.1 Definition
  - 1.4.2 Anatomical Pathways
  - 1.4.3 Passive Postures
  - 1.4.4 Active Postures
- 1.5. SAL: Superficial Anterior Line
  - 1.5.1 Definition
  - 1.5.2 Anatomical Pathways
  - 1.5.3 Passive Postures
  - 1.5.4 Active Postures
- 1.6. LL: Lateral Line
  - 1.6.1 Definition
  - 1.6.2 Anatomical Pathways
  - 1.6.3 Passive Postures
  - 1.6.4 Active Postures





- 1.7. SL: Spiral Line
  - 1.7.1 Definition
  - 1.7.2 Anatomical Pathways
  - 1.7.3 Passive Postures
  - 1.7.4 Active Postures
- 1.8. Functional Lines
  - 1.8.1 Definition
  - 1.8.2 Anatomical Pathways
  - 1.8.3 Passive Postures
  - 1.8.4 Active Postures
- 1.9. Arm Lines
  - 1.9.1 Definition
  - 1.9.2 Anatomical Pathways
  - 1.9.3 Passive Postures
  - 1.9.4 Active Postures
- 1.10. Main Imbalances
  - 1.10.1 Ideal Pattern
  - 1.10.2 Flexion and Extension Group
  - 1.10.3 Opening and Closing Group
  - 1.10.4 Inspiratory and Expiratory Pattern



*Through this 100% online Postgraduate Certificate, get up to date on the Neurophysiological Principles of Relaxation and Meditation and its application in the world of Therapeutic Yoga"*

# 05 Methodology

This 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

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

*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 enabled more than 65,000 physiotherapists/kinesiologists with unprecedented success in all clinical specialties, regardless of the workload. Our educational 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 education, 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 adapted in 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, students can watch them as many times as they want.



#### Interactive Summaries

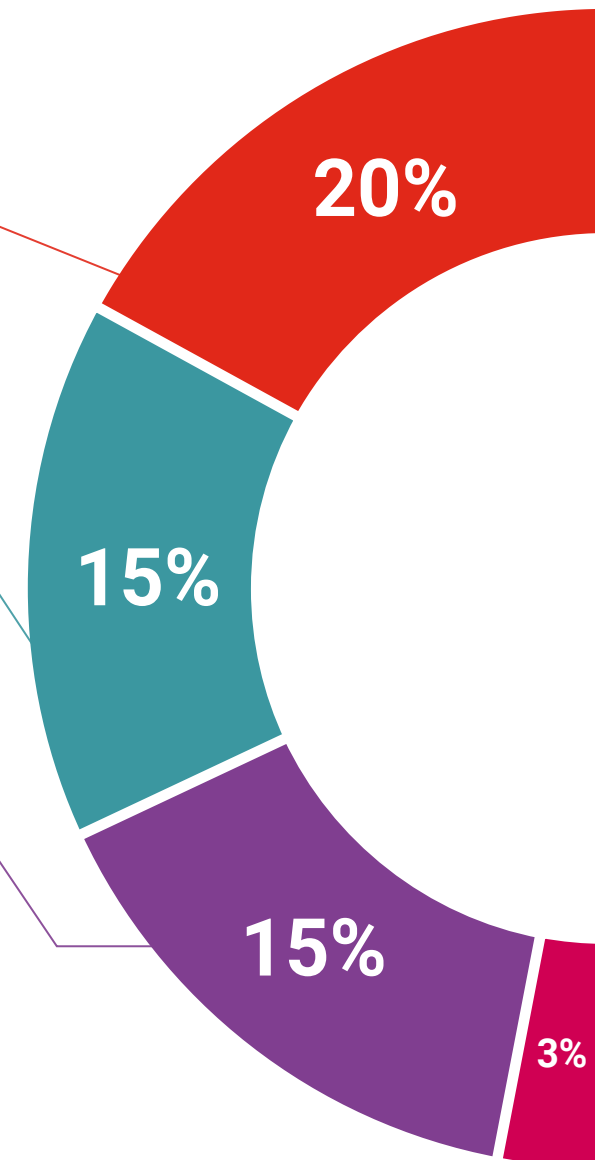
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

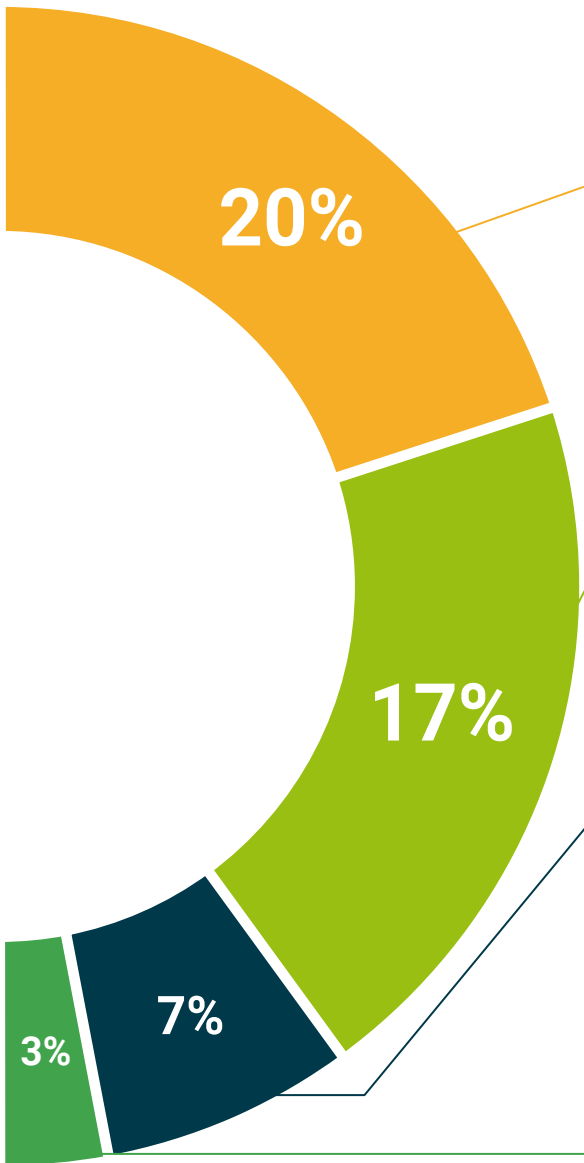
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### 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 assess and re-assess 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 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 Neurophysiological Principles of Relaxation and Meditation 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 program will allow you to obtain a **Postgraduate Certificate in Neurophysiological Principles of Relaxation and Meditation** 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** title 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 Neurophysiological Principles of Relaxation and Meditation**

Modality: **Online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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





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