

Postgraduate Diploma

Emotions in Neuroeducational Processes Based on Motor Action in Sport

Endorsed by the NBA





Postgraduate Diploma

Emotions in Neuroeducational Processes Based on Motor Action in Sport

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 24 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/sports-science/postgraduate-diploma/postgraduate-diploma-emotions-neuroeducational-processes-motor-action-sport

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

This complete program was created with the purpose of expanding the benefits that can be offered from the subject of physical education to students, from the perspective of sports performance, academic performance and also in relation to personal development based on physical and emotional well-being.

With this intensive training you will specialize in neuroeducational processes, based on motor action, from the hand of professionals with extensive experience in the field.





“

Motor action as a tool in the development of emotions in neuroeducational processes. A novel concept of enormous importance for the quality of life of students"

Emotional development in conjunction with cognitive development is gaining ground in the way education is approached. This concept has also been significantly development with the support of neurosciences applied to education. In this new approach, Physical Education acquires a dimension of extraordinary importance, transcending beyond the crucial objectives of developing motor skills into the use of movement as a tool for the development and improvement of cognitive functions. The study of emotions in the educational processes based on motor action becomes essential for the work in this fascinating field of education.

The prestigious professors of this program have drawn on their specialized and advanced knowledge based on experience and rigorous scientific criteria in the development of this highly scientifically and academically rigorous training.

All modules are accompanied by abundant iconography, with photos and videos by the authors, which are intended to illustrate, in a very practical, rigorous and useful way, advanced knowledge in neuroeducation and physical education for physical therapists.



Content chosen to make this course a highly effective learning process.

This **Postgraduate Diploma in Emotions in Neuroeducational Processes from Motor Action in Sport** contains the most complete and up-to-date educational program on the market. The most important features of the program include:

- ◆ Development of case studies presented by experts in Neuroeducation and Physical Education.
- ◆ Its graphic, schematic and eminently practical contents provide scientific and practical information on those disciplines that are essential for professional practice.
- ◆ It contains practical exercises where the self-evaluation process can be carried out to improve learning
- ◆ With special emphasis on innovative methodologies in Neuroeducation and Physical Education.
- ◆ All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments.
- ◆ Availability of content from any device, fixed or portable, with an Internet connection
- ◆ Complementary content available in multimedia format

“

A highly specific online Postgraduate Diploma, which will allow you to obtain in a short period of time, the necessary tools to work on emotions from the motor action".

The program includes in its teaching staff professionals belonging to the field of Neuroeducation and Physical Education, who pour into this training the experience of their work, in addition to recognized specialists belonging to reference societies and prestigious universities.

Thanks to its multimedia content developed with the latest educational technology, it will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to train in real situations.

The design of this program is based on Problem-Based Learning, by means of which the educator must try to solve the different professional practice situations that arise throughout the course. For this, the educator will be assisted by an innovative interactive video system, developed by recognized experts in the field of Neuroeducation and Physical Education with extensive teaching experience.

Incorporate a neuroscientific approach to your work in the area of Physical Education to add to your teaching objectives cognitive and emotional development through this new form of educational intervention.

The advances in neuroeducation in the area of Physical Education, from an eminently practical approach that will allow you to give an innovative twist to your professional practice.



02

Objectives

The main objective of this Postgraduate Diploma is to provide you with the necessary vision and skills to turn the area of Physical Education into an invaluable tool for the development of the integral wellbeing of the human being. Beyond its potential in physical terms, in this Postgraduate Diploma we will work on its protective capacity of the brain, its influence on brain function, emotions, motivation, perception, in short, learning.



“

Motor action as a starting point for working on the emotional processes associated with cognitive development.



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 of Neuroeducation in the subject of Physical Education.
- ◆ Achieve specialized training as Neuroeducation professionals in the field of motor action.



Get up to date on the new pedagogical and evaluative processes in physical neuroeducation and give a fresh boost to your professional career.





Specific Objectives

Module 1. Neuroeducation

- ♦ Solve motor situations with a diversity of stimuli and spatial-temporal conditioning factors, selecting and combining basic motor skills and adapting them to the established conditions in an efficient way.
- ♦ Use the expressive resources of the body and movement in an aesthetic and creative way, to communicate sensations, emotions and ideas

Module 2. The incidence of Emotions in the Neuroeducational Processes from the perspective of Motor Action

- ♦ Generate opportunities for teacher exchanges and training, coordinating directors and inspectors to promote higher work quality and efficiency in this institutionalization of School Physical Education.
- ♦ Demonstrate how Physical Education can "attract" learners and be an inclusion factor in social equity, a fundamental reason to encourage school/kindergarten attendance.

Module 3. Pedagogical Models and Evaluation in Physical Neuroeducation.

- ♦ Continue with the task of achieving the Universalization of Aquatic Activities.
- ♦ Support the participation of our public schools in different sporting events.

Module 4 Methodologies, Methods, Tools and Didactic Strategies favoring Physical Neuroeducation.

- ♦ Permanently update the National and Jurisdictional Database, with data provided directly from the territory by the stakeholders themselves. (Director, Coordinators and Inspectors)
- ♦ Produce general guidelines for the Physical Education Area that orient, advise and facilitate the work of Teachers, Coordinating Directors and Inspectors
- ♦ Coordination and support to the National Thematic Commissions in this area of knowledge

03

Course Management

The design and development of this Postgraduate Diploma has been carried out by a multidisciplinary teaching staff of recognized competence. Aiming for excellence, the course program puts its experience at your disposal to create learning situations that will make you become an expert in the field. With the support of the best specialists in Neuroeducation and Physical Education.





“

The teaching staff has been selected for their experience and background in the areas of Neuropsychology and Physical Education. A highly competent teaching staff that will accompany you throughout the learning process.

Management



Pellicer Royo, Irene

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

Professors

Dr. De la Serna, Juan Moisés

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

Dr. Navarro Ardoy, Daniel

- ◆ PhD in Exercise Physiology Applied to Health with a research stay at Karolinska Institutet Stockholm (Sweden)
- ◆ PROFITH (PROmoting FITNESS and Health) Research Group
- ◆ Degree in Physical Activity and Sports Science
- ◆ Physical Education Teacher

Ms. Rodríguez Ruiz, Celia

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



04

Structure and Content

The content structure has been created so that students can acquire all the necessary knowledge in the area of neurosciences as applied to Physical Education. Through a complete syllabus, the different areas of interest that the professional will need to master in the exercise of his profession will be developed.





“

The world's largest Online University, with the most developed teaching software on the market today, at your fingertips.

Module 1. Neuroeducation

- 1.1. Introduction to Neuroeducation.
- 1.2. Main Neuromyths.
- 1.3. Attention
- 1.4. Emotion
- 1.5. Motivation
- 1.6. The Learning Process.
- 1.7. Memory
- 1.8. Stimulation and Early Interventions.
- 1.9. Importance of Creativity in Neuroeducation.
- 1.10. Methodologies that allow the Transformation of Education in Neuroeducation

Module 2. The incidence of Emotions in the Neuroeducational Processes from the perspective of Motor Action

- 2.1. Concept of Emotion and Main Emotional Theories.
- 2.2. Education of Emotions.
- 2.3. Emotional Intelligence
- 2.4. The Role of Emotion in the Body and Motor Action.
- 2.5. The Emotional Brain
- 2.6. Emotional Processing in Brain Structures.
- 2.7. Amygdala and Emotional Processes.
- 2.8. Positive Emotions and the Brain's Reward System.
- 2.9. Emotional Chemistry in Response to Motor Action.
- 2.10. Emotional Health through Motor Action.





Module 3. Pedagogical Models and Evaluation in Physical Neuroeducation.

- 3.1. Conceptual Approach of the Terms Related to Methodology in Physical Education
- 3.2. Assessment of the Teaching- Learning Process in Physical Neuroeducation.
- 3.3. Assessment of Student Learning with a focus on Physical Neuroeducation.
- 3.4. Cooperative Learning
- 3.5. Sports Education Model (SEM).
- 3.6. Personal and Social Responsibility Model
- 3.7. Comprehensive Sport Initiation Model (TGfU)
- 3.8. Ludotechnical Model
- 3.9. Adventure Education Model
- 3.10. Other Models.

Module 4. Methodologies, Methods, Tools and Didactic Strategies favoring Physical Neuroeducation.

- 4.1. *Flipped Classroom* or Inverted Classroom.
- 4.2. Problem-Based and Challenge-Based Learning.
- 4.3. Project-Based Learning.
- 4.4. Case Method and Service Learning
- 4.5. Learning Environments.
- 4.6. Motor Creativity or Corporal Synectics
- 4.7. Game-Based Learning.
- 4.8. Ludification or Gamification
- 4.9. Other Methods, Tools and Didactic Strategies Favoring Physical Neuroeducation.
- 4.10. Methodological Guidelines and Recommendations for the Design of Programs, Units and Sessions Based on Physical Neuroeducation.



A unique, key, and decisive training experience to boost your professional development”

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.





“

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

Our program offers you a revolutionary approach to developing your skills and knowledge. Our goal is to strengthen your skills in a changing, competitive, and highly demanding environment.

“

With TECH you can experience a way of learning that is shaking the foundations of traditional universities around the world”



Our University is the first in the world to combine Harvard Business School case studies with a 100%-online learning system based on repetition.



The student will learn to solve complex situations in real business environments through collaborative activities and real cases.

A learning method that is different and innovative

This Sports Science program at TECH Global University is an intensive program that prepares you to face all the challenges in this field, both nationally and internationally. We are committed to promoting your personal and professional growth, the best way to strive for success, that is why at TECH you will use Harvard case studies, with which we have a strategic agreement that allows us to offer you material from the best university in the world.



We are the only online university that offers Harvard materials as teaching materials on its courses"

The case method is the most widely used learning system in the best faculties in the world. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

In a given situation, what would you do? This is the question that you are presented with in the case method, an action-oriented learning method. Throughout the course, you will be presented with multiple real cases. You will have to combine all your knowledge, and research, argue, and defend your ideas and decisions.

Relearning Methodology

Our university is the first in the world to combine Harvard University case studies with a 100%-online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance Harvard case studies with the best 100% online teaching method: Relearning.

In 2019, we obtained the best learning results of all online universities in the world.



At TECH, you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.

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. With this methodology, we have trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, markets, and financial instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

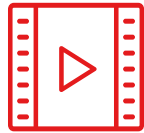
Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.



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 highly 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.



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.



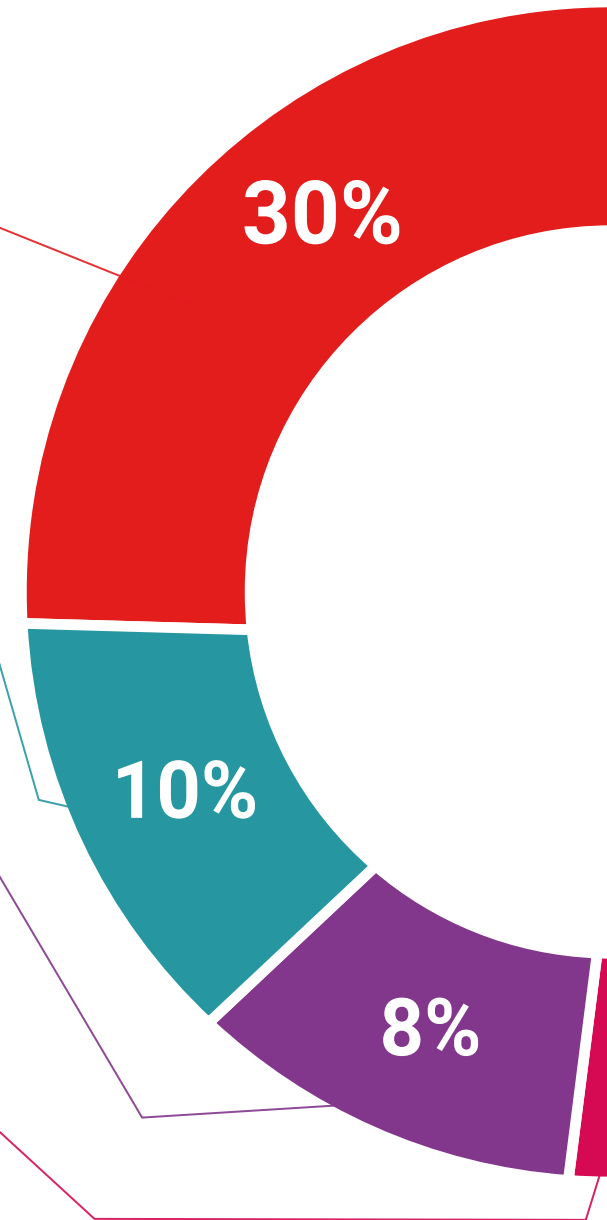
Practising Skills and Abilities

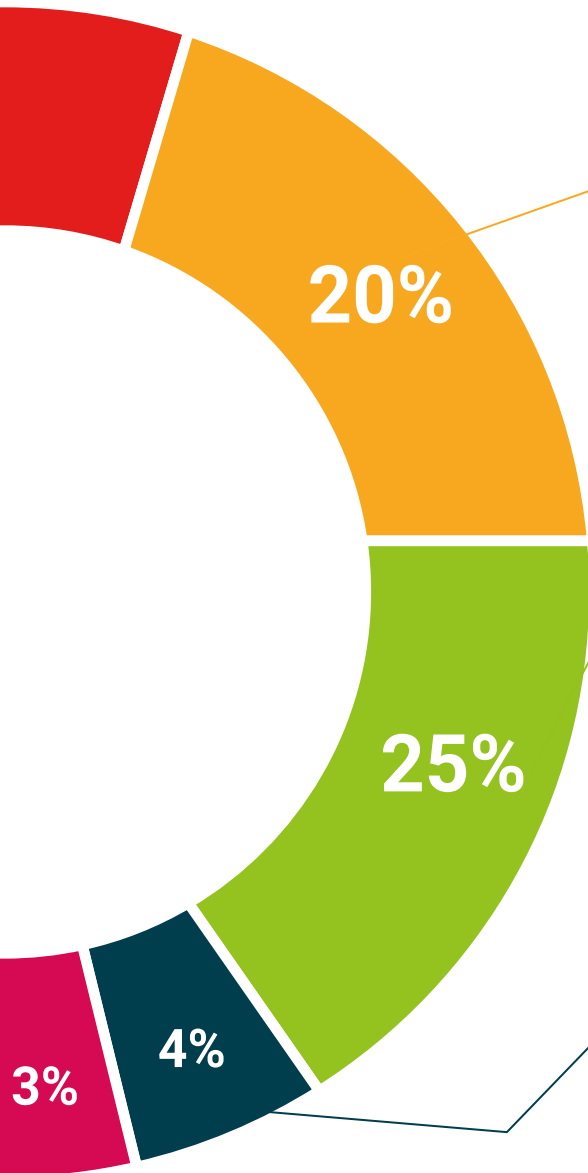
They will carry out activities to develop specific competencies and skills in each thematic area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



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.





Case Studies

They will complete a selection of the best case studies in the field used at Harvard. Cases that are presented, analyzed, and supervised by the best specialists in the world.



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".



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.



06

Certificate

The **Postgraduate Diploma in Emotions in Neuroeducational Processes Based on Motor Action in Sport** guarantees students, in addition to the most rigorous and up-to-date education, access to a qualification issued by **TECH Global University**.



“

Obtain your Postgraduate Diploma in Emotions in Neuroeducational Processes Based on Motor Action in Sport in a comfortable and simple way, with an accredited, high-level educational online program.

This program will allow you to obtain your **Postgraduate Diploma in Emotions in Neuroeducational Processes Based on Motor Action in Sport** 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 Diploma in Emotions in Neuroeducational Processes Based on Motor Action in Sport**

Modality: **online**

Duration: **6 months**

Accreditation: **24 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.

future

health

confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

tech global
university

personalized service innovation

knowledge present

online training

development languages

virtual classroom

Postgraduate Diploma

Emotions in Neuroeducational
Processes Based on
Motor Action in Sport

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 24 ECTS
- » Schedule: at your own pace
- » Exams: online

Postgraduate Diploma

Emotions in Neuroeducational Processes Based on Motor Action in Sport

Endorsed by the NBA

