

Postgraduate Certificate

Incidence of Emotions in Neuroeducational Processes from Motor Action





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Incidence of Emotions in Neuroeducational Processes from Motor Action

- » 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/incidence-emotions-neuroeducational-processes-motor-action

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01

Introduction

Emotions play a crucial role in neuroeducational processes, since they intervene directly in cognitive and behavioral development. For this reason, they are currently used as mechanisms in learning processes from motor action. This alternative has brought surprising results, improving factors such as coordination, movement and memory. For this reason, professionals in the area should know about these aspects and learn to use emotions as teaching mechanisms. Due to this, TECH has launched to the market the following program with the objective of training the students in this area of knowledge. All this through an informative conglomerate of great impact, nourished with audiovisual resources, complementary readings and practical exercises.



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For this program you will only need a device with an Internet connection, so you will not have to travel to an on-site center”

From a neuroeducational point of view, emotions play a fundamental role in the learning processes and in the person's ability to perform motor actions. In this way, they can facilitate or hinder the performance of tasks. For example, a negative emotion makes it difficult to concentrate and prevents the storage of information, while happiness facilitates these processes due to its behavioral disposition.

This information is essential for the physiotherapy professionals, since, when working in the rehabilitation of people, they can implement this knowledge to generate motor actions from an emotional therapy. For this reason, TECH has created this Postgraduate Certificate to provide the graduates with the most updated and rigorous academic tools in the field.

All this informative material will be hosted in the virtual campus, which the professionals will be able to access from any device with an Internet connection, having the opportunity to combine their daily routine with the updating of their knowledge. In addition, they will find audiovisual resources, complementary readings and practical exercises that will place them in real and simulation scenarios, having to face the current challenges imposed by the field.

This **Postgraduate Certificate in Incidence of Emotions in Neuroeducational Processes from Motor Action** contains the most complete and up to date scientific program on the market. Its most outstanding features are:

- ♦ The development of practical cases presented by experts in Incidence of emotions in neuroeducational processes from motor action
- ♦ The graphic, schematic, and practical contents with which they are created, provide 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



You will acquire new skills that will lead you to boost your professional profile to face any challenge in the sector"

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You will be able to develop this program from the comfort of your own home, at your own pace and schedule"

The program includes in its teaching staff professionals from the sector who pour into this training the experience of their work, in addition to recognized specialists from prestigious reference societies and 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 students will be assisted by an innovative interactive video system created by renowned experts.

Download the syllabus to your trusted device and review it as many times as you need.

You will learn about the brain reward system, acquiring knowledge about its classification and functioning.



02 Objectives

In order to guarantee a rigorous training focused on the requirements of the current labor field, TECH has combined the best academic content with the innovative *Relearning* methodology. In this way, as the professionals advance in the development of the program, they will acquire, through real cases and simulation, knowledge about Neuroeducation and its direct relationship with emotions in the processes of motor action. In addition to this, they will gradually acquire new skills to carry out in the professional scenario.





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You will delve into aspects such as emotional intelligence, knowing how it works and its influence within Neuroeducation”



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 in Neuroeducation in the subject of Physical Education
- ♦ Achieve specialized skills as Neuroeducation professionals in the field of Motor Action

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Once you have successfully completed this program, you will be one step closer to achieving your career goals”





Specific Objectives

- Explain the emotional brain
- Describe the emotional process from a neuroscientific perspective
- Describe the main brain structures that make up the emotional process
- Define the role of emotion in the processes of learning and memory
- Describe the brain reward system
- Explain the basis of emotion education
- Describe emotional competencies
- Explain emotional chemistry in response to motor action
- Define the role of motor action in emotional changes

03

Course Management

One of TECH's priorities when designing its programs is the formation of a teaching staff that provides knowledge and experience. Therefore, for this Postgraduate Certificate, it has selected outstanding professionals in the field of Neuroeducation and its direct relationship with physical activity, who in addition to excelling in educational development, have worked together in the curriculum, pouring all their knowledge in each of the academic content. This way, the students will have access to exclusive material that will allow them to be trained by the best.





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Don't miss this opportunity and train yourself with the best professionals in Neuroeducation"

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. 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

Dr. De la Serna, Juan Moisés

- ◆ 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



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

04

Structure and Content

The syllabus of this program has been designed by TECH together with its team of experts in Neuroeducation and Physical Education. Throughout 6 weeks, students will be presented with the most updated and rigorous information, delving into aspects such as emotions in neuroeducational processes and their influence on motor action. This entire conglomerate will be housed in the virtual campus, which can be accessed from any device with an Internet connection, without pre-established schedules or transfers to on-site centers.





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In addition to its broad informative content, it will have the highest impact audiovisual resources created with the latest digital technology”

Module 1. The Incidence of Emotions in Neuroeducational Processes Based on Motor Action

- 1.1. Concept of Emotion and Main Emotional Theories
 - 1.1.1. The Need for Emotional Development
 - 1.1.2. Concept of Emotion
 - 1.1.3. Function and Characteristics of Emotions
 - 1.1.4. The Affective Value and the Intensity of Emotion
 - 1.1.5. Theory of Emotions
- 1.2. Education of Emotions
 - 1.2.1. The Emotional Competence Builder
 - 1.2.2. The GROF Competency Model
 - 1.2.3. Emotional Maturity
- 1.3. Emotional Intelligence
 - 1.3.1. The Concept of Emotional Intelligence
 - 1.3.2. The Model of Mayer and Salovey
 - 1.3.3. The Social-Emotional Model of Bar-On
 - 1.3.4. Goleman's Competency Model
- 1.4. The Role of Emotion in the Body and Motor Action
 - 1.4.1. The Learning Process
 - 1.4.2. Emotion in Learning Processes
 - 1.4.3. Emotions in Motor Action
- 1.5. The Emotional Brain
 - 1.5.1. The Emotional Brain or Limbic System
 - 1.5.2. The Socioemotional Brain
- 1.6. Emotional Processing in Brain Structures
 - 1.6.1. The Main Brain Structures Involved in Emotional Processes
 - 1.6.2. Emotional Intensity and Emotional Appraisal in the Brain Structures
 - 1.6.3. Particular Emotional Brains
- 1.7. Amygdala and Emotional Processes
 - 1.7.1. The Role of the Amygdala in Emotions
 - 1.7.2. The Conditioned Emotional Response
 - 1.7.3. Self-Control and Attention
 - 1.7.4. Self-Regulation and Exercise





- 1.8. Positive Emotions and the Brain's Reward System
 - 1.8.1. Classifications of Salient Emotions
 - 1.8.2. The Ability to Self-Generate Positive Emotions
 - 1.8.3. The Functioning of the Brain's Reward System
- 1.9. Emotional Chemistry in Response to Motor Action
 - 1.9.1. From Emotion to Action
 - 1.9.2. The Neurochemistry of Emotion
 - 1.9.3. Neurochemistry in Motor Action
 - 1.9.4. Epigenetics and Exercise
- 1.10. Emotional Health through Motor Action
 - 1.10.1. Psychoneuroimmunology
 - 1.10.2. Positive Emotions and Health
 - 1.10.3. Emotional Health from the Body

“ This Postgraduate Certificate has the innovative Relearning learning model, so you will learn as you go and you will face real and simulation cases”

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.

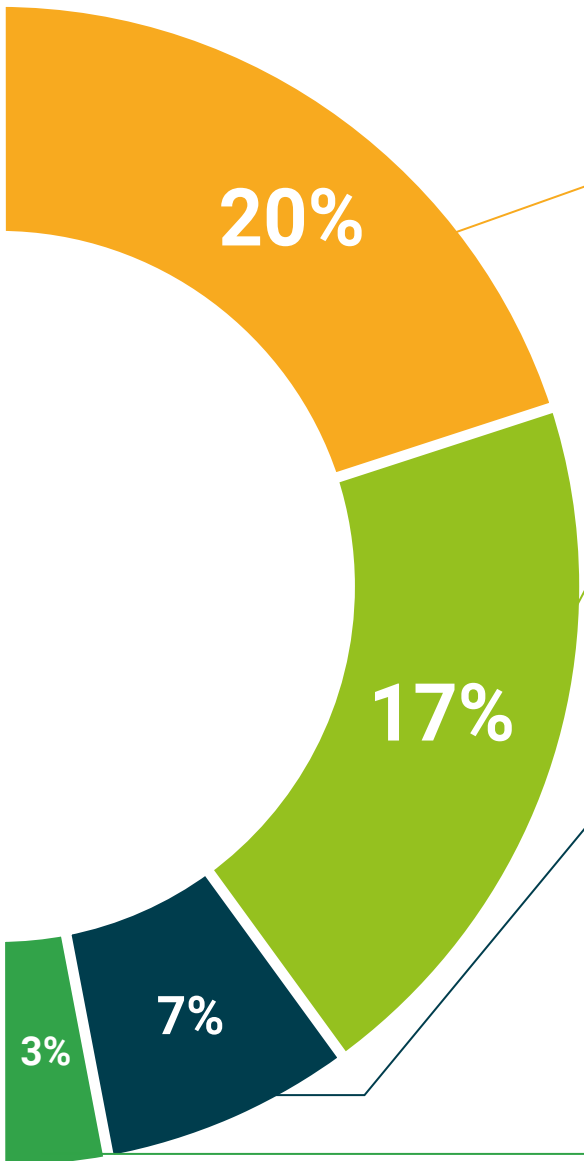
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



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 Incidence of Emotions in Neuroeducational Processes from Motor Action guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.





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

This **Postgraduate Certificate in Incidence of Emotions in Neuroeducational Processes from Motor Action** 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 Incidence of Emotions in Neuroeducational Processes from Motor Action**

Official N° of Hours: **150 h.**



*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.



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