

Postgraduate Certificate

Incidence of Emotions in the Neuroeducational Processes from the Motor Action





Postgraduate Certificate

Incidence of Emotions in the Neuroeducational Processes from the Motor Action

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

Website: www.techtitute.com/us/education/postgraduate-certificate/incidence-emotions-neuroeducational-processes-from-motor-action

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01

Introduction

In recent years, emotions have become part of formal educational contexts, due to scientific research that supports the relationship between feelings and learning. In this context, physical activity is not left out. Movement also has a significant influence on improving the motor skills and mental health of students. It is therefore necessary for teaching professionals to be aware of recent studies that address the impact of emotions from the perspective of neuroeducation and motor action. Faced with this need, TECH has created this 100% online program, which offers high quality multimedia content that the professional can access, comfortably, at any time of the day and through an electronic device with an Internet connection.





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With this 100% online Postgraduate Certificate you will take a step further in your professional career as a teacher by working in an adequate way the motor action and emotions”

The scientific study of how the brain works has allowed us to know how emotions are generated and which structures participate in this process. This knowledge has been used in many areas such as education. Working with students on emotions and their management has become part, nowadays, of the school plans of many educational centers.

In this scenario, teaching professionals face the challenge of integrating physical activity with cognition to improve the teaching-learning process. In this way, it also generates healthy lifestyle habits among students, who will also know how to manage emotions in various situations in their daily lives. In order for the teachers to successfully overcome this challenge, TECH has created this Postgraduate Certificate in the Incidence of Emotions in the Neuroeducational Processes from Motor Action.

A 6-week program, where the graduates will be able to delve into the need for emotional development, theories focused on emotions or learning processes. To do this, they will have high quality multimedia content, which will lead them to delve into the functioning of the brain before the motor action and its relationship with the feelings and the chemical response that occurs in the mind.

Likewise, the professionals will have the excellent opportunity to have access to a university program taught in a comfortable and 100% online format. In this way, students will only need a computer, Tablet or cell phone, with which to connect from anywhere and at any time to the entire syllabus available on the virtual platform. This Postgraduate Certificate becomes an academic option of practical application and compatible with the most demanding responsibilities.

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

- ♦ Case studies presented by experts in Neuroeducation and Physical Education
- ♦ 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



Thanks to the Relearning system you will be able to reduce the long hours of study and memorization"



Enroll now in a flexible program, designed for you to combine your daily responsibilities with the most advanced knowledge on the impact of emotions on neuroeducational processes"

The program's teaching staff includes professionals from sector who contribute their work experience to this program, as well as renowned specialists from leading societies and prestigious 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.

This program will allow you to delve into the emotional chemistry and the response that occurs in the brain to a motor action.

Incorporate the neuroscience approach to the area of Physical Education and progress in your professional career as a teacher.



02

Objectives

Once the 180 teaching hours are completed, the teaching professionals will have obtained an advanced and exhaustive learning about the impact of emotions on neuroeducational processes from the motor action. In this way, they will be able to directly apply the knowledge acquired about emotions and how they are generated in the brain, to apply it directly in the physical activities they design for their school sessions.





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With this program you will learn about the role played by the cerebral amygdala in the generation of emotional processes”



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 education as a Neuroeducation professional in the field of motor action

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The specialized faculty of this program will provide you with case studies, which will help you to integrate into your teaching method, the work of emotional health from the body”





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

TECH has brought together in this Postgraduate Certificate a teaching staff of reference in Neuroeducation both for their qualifications and their professional background in this field. With this team, the teachers who take this program will have the total security of obtaining the necessary learning to progress in their professional career from the hand of experts in this field. In addition, thanks to their proximity, you will be able to resolve any questions you may have about the content of this program.





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In this Postgraduate Certificate, an excellent teaching team will guide you to work on emotions in an effective way through physical activity"

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. De la Serna, Juan Moisés

- ♦ Psychologist and Writer expert in Neurosciences
- ♦ 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



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

04

Structure and Content

Multimedia pills, essential readings or case studies are some of the pedagogical tools provided by TECH in this Postgraduate Certificate. Thanks to them, students will learn about the concept of emotion and the main emotional theories in a much more attractive way. In addition, from a theoretical-practical perspective, the teaching professionals will obtain the necessary learning to link this content to the physical activities that they develop in the classroom. All this, in addition to a library of didactic resources, available 24 hours a day.





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You have a syllabus that will show you from the maximum scientific rigor the neuroeducational processes that occur with the realization of physical activity"

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
 - 1.4.1. Emotion in Learning Processes
 - 1.4.2. 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



Get into the construct of emotional intelligence and explore the theories of Mayer and Salovey or Goleman with this Postgraduate Certificate"

05

Methodology

This training program offers 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 Education School we use the Case Method

In a given situation, what should a professional do? Throughout the program students will be presented with multiple simulated cases based on real situations, where they will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method.

With TECH, educators can experience a learning methodology that is shaking the foundations of traditional universities around the world.



It is a technique that develops critical skills and prepares educators to make decisions, defend their arguments, and contrast opinions.

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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. Educators 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 is solidly focused on practical skills that allow educators to better integrate the knowledge into daily practice.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life teaching.
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.

Our University is the first in the world to combine case studies with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing cases.



Educators 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 have trained more than 85,000 educators with unprecedented success in all specialties. 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 specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to 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 specialist educators 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.



Educational Techniques and Procedures on Video

TECH introduces students to the latest techniques, with the latest educational advances, and to the forefront of Education. All this, first-hand, with the maximum rigor, explained and detailed for your 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 exclusive multimedia content presentation training Exclusive 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 your 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 Incidence of Emotions in the Neuroeducational Processes from the Motor Action 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 your **Postgraduate Certificate in Incidence of Emotions in the Neuroeducational Processes from the Motor Action** 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 Incidence of Emotions in the Neuroeducational Processes from the Motor Action**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





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