

# Postgraduate Certificate Neurodevelopment and Learning for Psychologists





## Postgraduate Certificate Neurodevelopment and Learning for Psychologists

Course Modality: **Online**

Duration: **6 weeks**

Certificate: **TECH Technological University**

**8 ECTS Credits**

Teaching Hours: **200 hours.**

Website: [www.techtute.com/psychology/postgraduate-certificate/neurodevelopment-learning-psychologists](http://www.techtute.com/psychology/postgraduate-certificate/neurodevelopment-learning-psychologists)

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# 01

# Introduction

In this first part of the 21st century, we are witnessing breath-taking changes that are causing a profound cultural and social transformation. Driven by the technological revolution, which makes these changes much faster than in previous crises and revolutions. Our brains are also undergoing changes as they have to process information more quickly. This revolution is leading human beings to question the forms of relationships, values, institutions, economy... and new paradigms are emerging that will establish new ways for new times. In the field of learning, we are witnessing many of these changes.



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*The speed at which information has to be processed calls into question the model on which we have been basing our learning for years, shifting towards the idea that it makes less and less sense to know a lot, and that it makes more sense and is more useful to know how to do things”*

A new paradigm is strongly emerging that suggests that the student is the protagonist of his or her learning; that the teacher becomes a "guide" in that learning, rather than a provider of knowledge; that there is more and more participation in the school and that the school goes out more into the community.

The school must take greater responsibility when it comes to education in values, to incorporating emotional intelligence in the teacher/student relationship, to coexistence with different people (inclusive school) ... in order to offer our children and young people better development in these times of overwhelming change.

This **Postgraduate Certificate in Neurodevelopment and Learning for Psychologists** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- Clinical cases presented by experts in psychology. The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional.
- New diagnostic and therapeutic developments in neurodevelopmental and learning performance for psychologists
- An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- With special emphasis on evidence-based psychology and research methodologies in psychology
- Content that is accessible from any fixed or portable device with an Internet connection



*Update your knowledge through the Postgraduate Certificate in Neurodevelopment and Learning for Psychologists in a practical way and adapted to your needs"*



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*This program may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge in Neurodevelopment and Learning for Psychologists, you will achieve a Postgraduate Certificate from TECH Technological University"*

*The program includes real clinical cases and exercises to bring the course closer to the psychologist's clinical practice.*

Forming part of the teaching staff is a group of professionals in the world of psychology who bring to this course their work experience, as well as a group of renowned specialists, recognised by esteemed scientific communities.

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 training program to train in real situations.

This program is designed around Problem Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of psychology with extensive teaching experience.



02

# Objectives

The main objective of the program is the development of theoretical and practical learning, so that the psychologist can master action for Neurodevelopment and Learning for Psychologists in a practical and rigorous way.





A hand holding a white card with a black ink drawing of a rooster's head. The drawing is a stylized, high-contrast illustration of a rooster's head, showing its comb, wattle, and beak. The background is a gradient of pink and purple, with a white diagonal line separating the image from the text area.

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*This updating program will provide you with a sense of confidence in the practice of psychology, which will help you grow both personally and professionally”*



## General Objectives

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- ♦ Discover the current scientific principles that help us understand how human beings learn
- ♦ Establish an up-to-date framework to classify Learning Difficulties and design assessments and interventions for this problem
- ♦ List the set of good practices that guide psychologists who work with individuals with Learning Difficulties in their professional practice
- ♦ Analyze the developmental processes involved in the different Learning Difficulties described
- ♦ Offer a foundation of knowledge and procedures that provide the student with the necessary assurance and confidence to deal with real cases
- ♦ Identify the problems associated with Learning Difficulties that hinder intervention in these cases and propose strategies to address them



*Take the opportunity and take the step to get up-to-date on the latest novelties in Neurodevelopment and Learning for Psychologists”*





## Specific Objectives

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- ♦ Concisely define the concept of Learning Difficulties
- ♦ Substantiate the aspects or variables to be taken into account in the design of the evaluation and intervention with these difficulties, as well as to list and detail the phases in both processes
- ♦ Guide the student to incorporate practices that have proven to be effective in cases of Learning Difficulties for a satisfactory approach to them
- ♦ Analyze practical cases where differences between good and bad practice can be observed
- ♦ Highlight the evolutionary stages or phases that the child goes through during basic learning
- ♦ Pinpoint the developmental stages or key milestones where the Learning Difficulties appear
- ♦ Understand the interrelationship of factors associated with Learning Difficulties
- ♦ Provide the student with a diverse and detailed theoretical and practical base, which will give them the confidence required to intervene in cases of Learning Difficulties
- ♦ Evaluate possible personal, family, or social risk situations that may be influencing the case in which intervention is being performed
- ♦ Establish procedures and/or strategies to manage situations with the family and/or school that may be conflictive



03

# Course Management

This program includes highly regarded health professionals in the field of psychology in its teaching staff, who bring the experience of their work to this training.

In addition, renowned specialist members of prestigious national and international scientific societies take part in its design and production.





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*Learn about the latest advances in Neurodevelopment and Learning for Psychologists from leading professionals"*

## Management



### Gandarias White, Gorka

- ♦ Psychologist specialized in psychotherapy recognized by the EFPA (European Federation of Psychologists' Associations).
- ♦ Master's Degree in Time-Limited and Health Psychotherapy
- ♦ International Master's Degree in Clinical and Health Psychology
- ♦ Diploma in Gestalt Therapy
- ♦ Head of the Guidance and Educational Innovation Department of the San José School in Nanclares de la Oca (Álava) where he deals with numerous cases of Secondary School students with Learning Difficulties.
- ♦ Cooperative Learning Specialist, Coach Level in the Conscious Emotional Bonding Model (VEC).
- ♦ Founder of Uraska, Psychology and Psychotherapy, a psychology and psychotherapy practice.

## Coordinator



### Aguado Romo, Roberto

- ♦ Psychologist specializing in Clinical Psychology
- ♦ European specialist psychologist in psychotherapy
- ♦ Managing Director of evaluation and psychotherapy centers in Madrid, Bilbao, and Talavera de la Reina
- ♦ Author of Time-Limited Psychotherapy
- ♦ Researcher at CerNet, Emotional Network, and European Institute for Time-Limited Psychotherapies.



## Professors

### Espinoza, Oscar. M.D.

- ♦ Medical specialist in Psychiatry and Pediatrics
- ♦ Director of the Psychopharmacology Unit of the CEP
- ♦ Head of the public health service in the southern district of Madrid
- ♦ Master's Degree in Time-Limited Psychotherapy and Health Psychology

### Fernández Sánchez, Angel

- ♦ European specialist psychologist in Psychotherapy from the EFPA
- ♦ Health Psychologist
- ♦ Master's Degree in Clinical and Health Psychology
- ♦ Director of the Evaluation and Psychotherapy Center of Madrid
- ♦ Tutor in charge of the Psychodiagnosis and Psychological Intervention area of the CEP
- ♦ Author of the T.E.N. technique.
- ♦ Head of studies on the TECH Master's Degree in Time-Limited Psychotherapy and Health clinic
- ♦ Specialist in Clinical Hypnosis and Relaxation

### Fernandez, Inmaculada

- ♦ Doctor in Psychology from the University of Almeria
- ♦ Psychologist specializing in Clinical Psychology
- ♦ Head of the Department of Neuropsychology, University of Almeria
- ♦ Expert in Cognitive Therapy based on Mindfulness
- ♦ Expert in Time Limited Psychotherapy

### Gandarias, Gorka

- ♦ Health Psychologist
- ♦ European specialist psychologist in Psychotherapy by the EFPA in Vitoria, Spain.
- ♦ Master's Degree in Time-Limited Psychotherapy and Health Psychology
- ♦ Expert in intervention in bizarre behavior and drug addiction.

### Martínez Lorca, Manuela

- ♦ Doctorate in Psychology from the University of Castilla-La Mancha
- ♦ Health Psychologist.
- ♦ Lecturer at the Department of Psychology at the UCLM
- ♦ Master's degree in Time-Limited Psychotherapy and Health Psychology by the European Institute of Time-Limited Psychotherapy. Specialist in Clinical Hypnosis and Relaxation

### González, Mónica

- ♦ Psychologist in charge of the Department of Child and Adolescent Psychology in the Quirón Hospital and Avatar Psychologists in Marbella.
- ♦ Master's Degree in Time-Limited Psychotherapy and Health Psychology by the European Institute of Time-Limited Psychotherapy.

### Roldán, Lucía

- ♦ Health Psychologist
- ♦ Cognitive-behavioral intervention specialist
- ♦ Master's Degree in Time-Limited Psychotherapy and Health Psychology
- ♦ Expert in energy therapy intervention

# 04

## Structure and Content

The structure of the contents has been designed by a team of professionals who recognise the implications of training in psychology, aware of the relevance of current specialization to treat the patient with psychological disorders or needs with quality teaching using new educational technologies.





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*This Postgraduate Certificate in Neurodevelopment and Learning for Psychologists contains the most complete and up-to-date scientific program on the market”*

## Module 1. Fundamentals of Learning

- 1.1. Neurodevelopment and Learning (I): Prenatal Development
- 1.2. Neurodevelopment and Learning (II): Nervous System and Postnatal Learning
- 1.3. Neurodevelopment and Learning (III): Neuroanatomy of Learning
- 1.4. Neurodevelopment and Learning (IV): Concept of Brain Plasticity
- 1.5. Neurodevelopment and Learning (V): Development of Higher Cognitive Functions
- 1.6. Cognitive Processes and Learning (I): Attention and Cognitive Resource Selection
- 1.7. Cognitive Processes and Learning (II): Perception and Acquisition of Information
- 1.8. Cognitive Processes and Learning (III): Memory and How it Works
- 1.9. Cognitive Processes and Learning (IV): the Process of Coding Information
- 1.10. Cognitive Processes and Learning (V): The Information Retrieval Process: The Transfer of Learning
- 1.11. Cognitive Processes and Learning (VI): Grouping, Classifying and Forming Categories and Concepts
- 1.12. Affective, Motivational, and Relational Variables (I): Personal Variables
- 1.13. Affective, Motivational, and Relational Variables (II): The Family
- 1.14. Affective, Motivational, and Relational Variables (III): The School
- 1.15. Affective, Motivational, and Relational Variables (IV): The Community





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



05

# Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

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 Re-learning, 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 abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH the psychologist experiences a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gervas, 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 in the psychologist's professional 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. Psychologists who follow this method not only master the assimilation of concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.
2. Learning is solidly translated into practical skills that allow the psychologist to better integrate knowledge into clinical practice.
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.



## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which is a real revolution compared to the simple study and analysis of cases.

*The psychologist 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

This methodology has trained more than 150,000 psychologists with unprecedented success in all clinical specialties. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a high socioeconomic profile and an average age of 43.5 years old.

*Re-learning 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 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.



#### Latest Techniques and Procedures on Video

TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current psychology. 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 the videos as many times as you like.



#### 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 & Re-testing**

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 Neurodevelopment and Learning for Psychologists** guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate issued by **TECH Technological University**.



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*Successfully complete this training program  
and receive your university certificate without  
travel or laborious paperwork”*

This **Postgraduate Certificate in Neurodevelopment and Learning for Psychologists** contains the most complete and up-to-date program on the market.

After passing the evaluation, the student will receive by mail with acknowledgment of receipt the corresponding **Postgraduate Certificate** issued by **TECH Technological University**.

The diploma issued by **TECH Technological University** will express the qualification obtained in the Postgraduate Certificate, and will meet the requirements commonly demanded by labour exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Neurodevelopment and Learning for Psychologists**

ECTS: **8**

Official Number of Hours: **200 hours**.



future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present quality  
development languages  
classroom



**Postgraduate Certificate**  
**Neurodevelopment and**  
**Learning for Psychologists**

Course Modality: Online

Duration: 6 weeks

Certificate: TECH Technological University

8 ECTS Credits

Teaching Hours: 200 hours.



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