

Postgraduate Certificate Neurology of Behavior for Teachers





Postgraduate Certificate Neurology of Behavior for Teachers

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 3 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/education/postgraduate-certificate/behavioral-neurology-teachers

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Study Methodology

p. 20

06

Certificate

p. 30

01

Introduction

Behavior is neurologically based. This reality provides educators with a way to understand the diverse and sometimes disruptive behaviors found in the classroom. This course is a comprehensive compilation of knowledge on this important issue, enabling you to progress with a more realistic perspective and a greater ability to engage with your students effectively. A complete Postgraduate Certificate, structured with high-quality training at the forefront of current developments. It's a professional growth opportunity with the highest level of teaching quality available in the market.



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*Incorporate specific knowledge of the
neurology of behavior into your training as
an educator and gain the confidence of a
specialist in student behavioral intervention”*

This Postgraduate Diploma in Behavioral Neurology for Educators is a unique program designed to deepen knowledge and mastery of the elements involved in controlling human behavior. This knowledge provides a much broader training, a framework of understanding, from which responses can be developed to address the intervention needs of educators in various situations that arise in the classroom.

It is a training that also serves as a highly valuable tool for professionals who work with children and adults unable to control their behavior due to external factors beyond their will, preventing them from mastering their behavior and, consequently, from having positive interactions with those around them. Addictions, both with and without substances, violence, and difficulties in having healthy interactions with studies, work, family, or social norms, are causes of suffering for many people today.



*Update your knowledge
in this fascinating field of
development, in a practical
way tailored to your needs"*

This **Postgraduate Certificate in Behavioral Neurology for Teachers** contains the most complete and up-to-date educational program on the market. The most important features include:

- ♦ Development of over 75 clinical cases presented by experts
- ♦ The graphic, schematic, and practical contents of which they are composed provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ New diagnostic and therapeutic developments on evaluation, diagnosis and intervention of the biological and neurological processes which explain mental illnesses
- ♦ It contains practical exercises where the self-evaluation process can be carried out to improve learning
- ♦ Algorithm-based interactive learning system for decision-making in the presented clinical situations
- ♦ With special emphasis on evidence-based psychology and research methodologies in psychology
- ♦ All this will be complemented by 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

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The work methods of a top-level training program that will provide you with the most advanced distance learning systems available today”

The teaching staff includes professionals from the field of Psychology, who bring their practical experience to this Postgraduate Certificate, along with recognized specialists from leading scientific societies.

Thanks to its multimedia content developed with the latest educational technology, it will provide professionals with situated and contextual learning, meaning a simulated environment that offers immersive learning designed to prepare them for real-life situations.

The design of this program is based on Problem-Based Learning, through which the professional will be required to resolve various professional practice situations presented throughout the Postgraduate Certificate. To assist with this, the professional will have the support of an innovative interactive video system created by recognized experts in the field of clinical neuropsychology, with extensive teaching experience.

Recognizing the neurological modulators of behavior will provide you with the most appropriate guidelines to develop work proposals based on the reality of each student.

Intensive, comprehensive, interesting and efficient. This is the Postgraduate Certificate you've been looking for.



02

Objectives

This training program is designed to enhance teaching activities, supported by specific knowledge in clinical neuropsychology. This translates into an improved ability to understand and, therefore, appropriately intervene in the different situations encountered in the classroom, with respect to how the brain functions in terms of emotions and development, using the methodology of clinical neuropsychology.



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Learn to recognize the neurological disorders that affect an individual's behavior in just a few weeks of stimulating and effective work”



General Objectives

- ♦ Describe the global functioning of the brain, as well as the biochemistry that activates or inhibits it
- ♦ Develop technologies that produce changes in the brain to overcome mental illness
- ♦ Describe the most common neurological disorders in psychological practice
- ♦ Describe the use of current psychopharmacology and integrate this knowledge into psychological tools that can improve mental illness



If your goal is to grow as a teaching professional, with the most accurate response capabilities and the support of the most up-to-date knowledge in behavior, this is your Postgraduate Certificate"





Specific Objectives

- ♦ Define the biological foundations of behavior
- ♦ Describe the phylogeny from brain ontogeny
- ♦ Define the neurological and biochemical framework in the entirety of human behavior
- ♦ Develop models that encompass both brain activity, mental health, and mental illness
- ♦ Explain the specific biochemical and anatomical activity in each mental disorder
- ♦ Manage the biochemical and neurological drivers that enable the establishment and extinction of memory
- ♦ Develop psychological tools to alter the brain's biochemistry and neuroanatomy
- ♦ Manage the ascending reticular system with psychological procedures
- ♦ Explain how psychosocial elements translate into brain activity, and thus, into intervention in mental illness

03

Course Management

The program includes specialists in Behavioral Neurology for Educators, who bring their professional experience to this Postgraduate Certificate. In addition, other recognized experts who contribute to the design and development of the program complete it in an interdisciplinary manner.



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Learn from leading professionals the latest advancements in procedures within the field of Behavioral Neurology for Teachers”

Management



Dr. Martínez Lorca, Alberto

- Specialist in Nuclear Medicine. Rey Juan Carlos University Hospital - Quirón. Madrid. Spain

Coordinator



Dr. Aguado Romo, Roberto

- Psychologist specialized in Clinical Psychology
- European specialist psychologist in Psychotherapy
- Managing Director of the 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

Dr. Fernandez, 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 Master's Degree in Time-Limited Psychotherapy and Health Psychology
- ♦ Specialist in Clinical Hypnosis and Relaxation

Dr. González Agüero, Mónica

- ♦ Psychologist in charge of the Department of Child and Adolescent Psychology of 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
- ♦ Kaiser, Carlos. M.D. Otolaryngologist
- ♦ Head of the Otolaryngology department at Segovia General Hospital
- ♦ Member of the Royal Academy of Medicine of Salamanca
- ♦ Master's Degree in Time-Limited Psychotherapy and Health Psychology
- ♦ Expert in Psychosomatic Medicine

Dr. Martínez-Lorca, Manuela

- ♦ Doctorate in Psychology from the University of Castilla-La Mancha
- ♦ Health Psychologist
- ♦ Lecturer in 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

Dr. Roldan, Lucia

- ♦ 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 approach of this training has been developed in accordance with the criteria of excellence of our university. With an engaging and comprehensive development, this journey will allow you to learn dynamically and continuously, helping you achieve your goals with ease and efficiency.





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The most comprehensive syllabus, with a broad yet specific content development specially designed for educators to immediately boost your work capacity"

Module 1. Neurological Foundations of Behavior

- 1.1. Philosophical Tradition: Monism, Dualism and Integrationism
- 1.2. Monism from Spinoza to Donald Davidson
- 1.3. Descartes' Dualism
- 1.4. Behavior as a Function of the Nervous System
- 1.5. Organization of the Nervous System
- 1.6. Anatomy
 - 1.6.1. Central Nervous System vs. Peripheral Nervous System
 - 1.6.2. Motor Nervous System vs. Vegetative System
 - 1.6.3. Spinal Cord
 - 1.6.4. Brainstem
 - 1.6.5. Brain
- 1.7. Functional Activity
 - 1.7.1. Lower
 - 1.7.2. Upper
- 1.8. Microstructure
 - 1.8.1. Neurons
 - 1.8.2. Other Cells
- 1.9. Embryology of the Nervous System
- 1.10. Spinal Cord





- 1.11. Brainstem
- 1.12. Cerebellum
- 1.13. Midbrain, Forebrain and Diencephalon
- 1.14. Subcortex
- 1.15. Basal Ganglia
- 1.16. Frontal Orbital Lobe
- 1.17. Process of Vascularization and Myelination of the Nervous System
 - 1.17.1. Reptilian Brain
 - 1.17.2. Basic Intelligence
 - 1.17.3. Intelligence Patterns
 - 1.17.4. Parameter Intelligence
- 1.18. Limbic Brain and the Chemistry of Basic Emotions

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A unique, essential and decisive learning experience to boost your professional development”

05

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

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*At TECH you will NOT have live classes
(which you might not be able to attend)”*



The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want*”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student 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.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

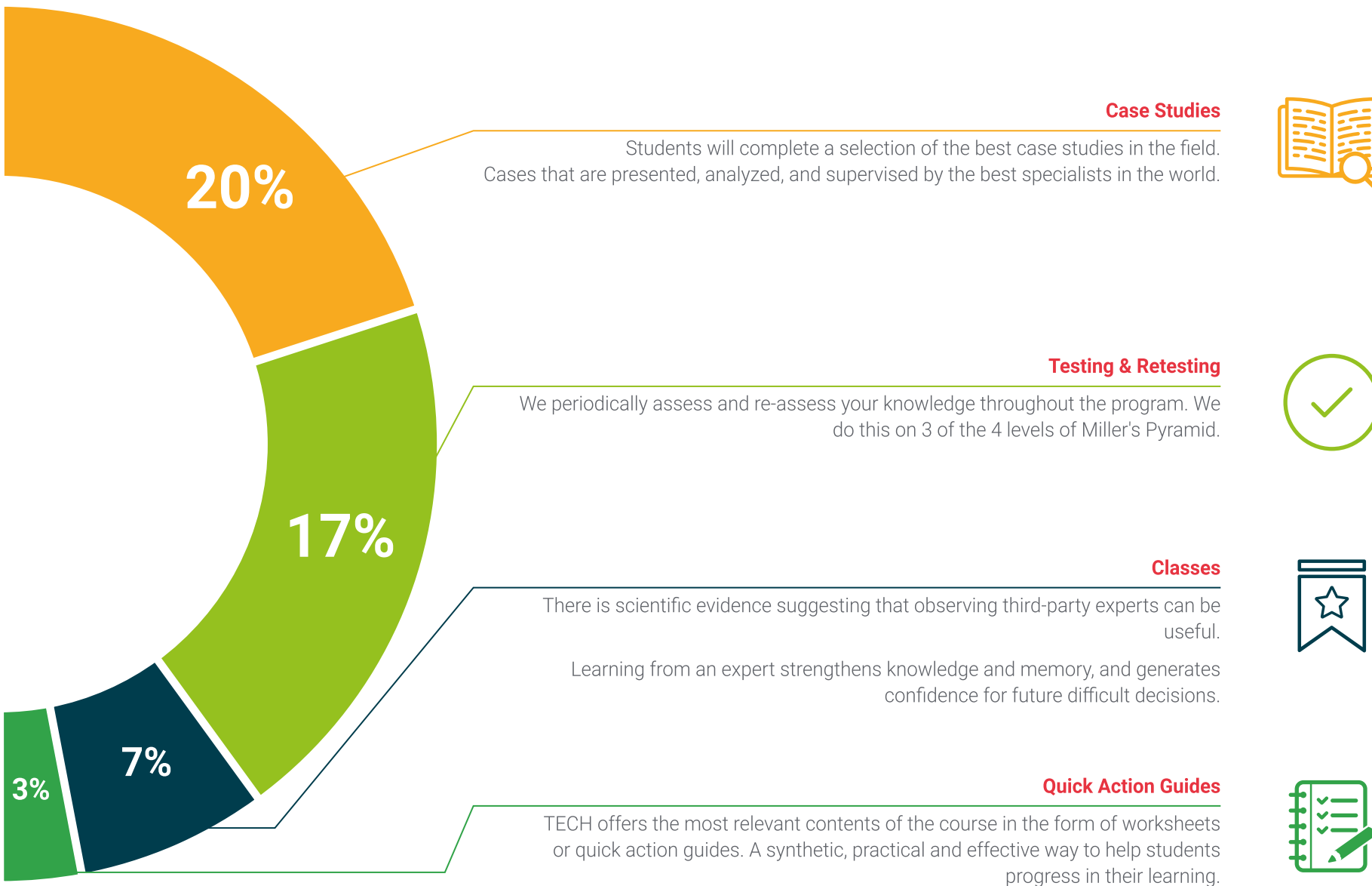
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





06

Certificate

This Postgraduate Certificate in Behavioral Neurology for Teachers guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the 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 private qualification will allow you to obtain a diploma for the **Postgraduate Certificate in Behavioral Neurology for Teachers** 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** private qualification, 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.

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Duration: **6 weeks**

Accreditation: **3 ECTS**





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