



Postgraduate Certificate

Principles of Cognitive Functions

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/pk/medicine/postgraduate-certificate/principles-cognitive-functions

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The processes of reception, selection, transformation, storage, preparation and retrieval of information make it possible for the person to have an active role and can perform any task in their daily practice. This Postgraduate Certficate delves, through an exhaustive agenda, in the cognitive functions that allow these mental processes. The teaching team that makes up this degree will be in charge of to transmit to medical professionals his extensive knowledge in this field.

A program in which the professional will find all the information that will allow him to update himself on everything related to this area. A degree in an exclusive online modality, where the specialist will be able to comfortably delve into the different neurobiological bases, their characteristics and types.

During the 6 weeks of this Diploma, the professional you will delve into a syllabus with a theoretical-practical approach which will lead you to delve into the neurobiological bases and foundations of attention, memory, language, perception, visuospatial or executive functions. Likewise, this program will also delve into the characteristics and types of praxias and gnosias. The simulation of practical cases provided by the teaching staff will also be very useful in their usual clinical practice.

Therefore, TECH Technological University offers an excellent opportunity to the medical professional who wishes to pursue quality education at the same time that makes it compatible with other areas of your life. Due to the above, students have the entire syllabus from the start and can access it whenever and wherever they want. You only need a laptop or *Tablet* with an internet connection to be able to connect to the platform where the innovative multimedia content is hosted. At the same time, the *Relearning* system, used by this educational institution in all their degrees, will facilitate progress in this program in a more natural way, even reducing the long hours of study applied in other methodologies teaching.

This **Postgraduate Certificate in Principles of Cognitive Functions** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of practical cases presented by experts in Psychology and Neurology
- The 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 work
- Content that is accessible from any fixed or portable device with an Internet connection



In just 6 weeks, renew your knowledge in cognitive functions while making it compatible with your work"



Delves into the neurobiological bases of memory, language or perception through didactic material that uses the latest technology"

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 professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive education designed to learn in real situations.

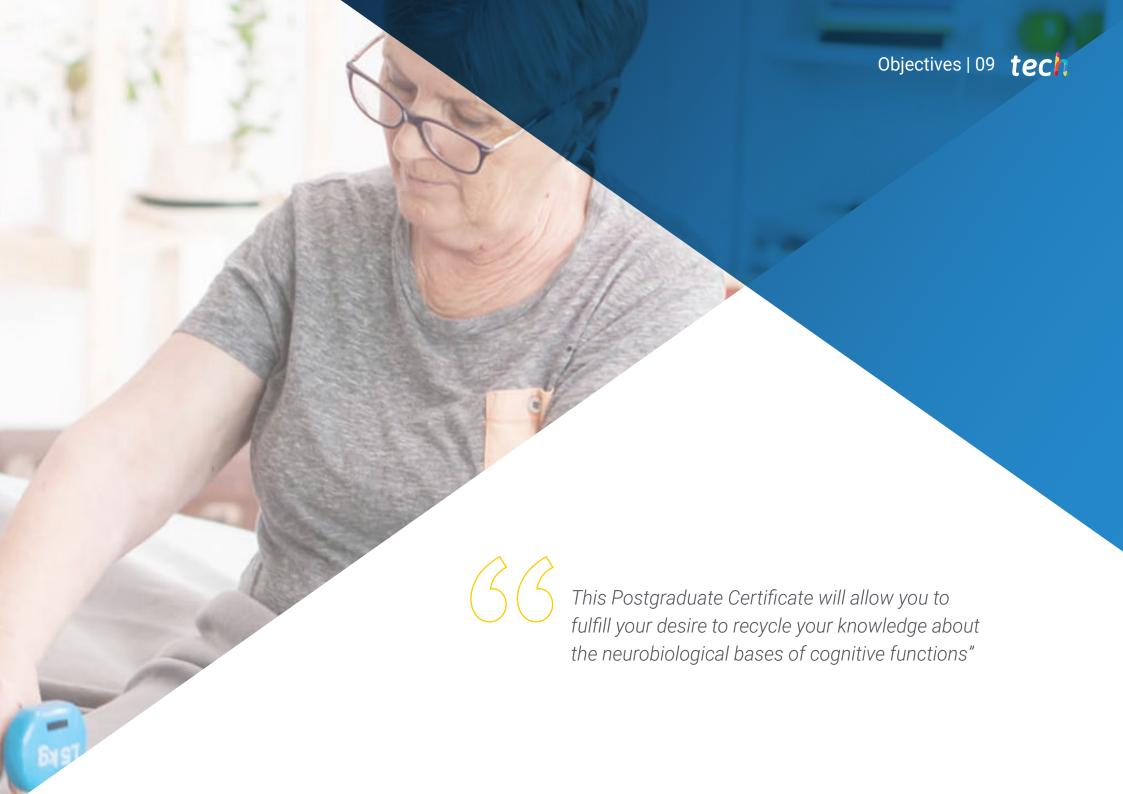
This program is designed around Problem-Based Learning, whereby students must try to solve different professional practice situations that arise throughout the program. For this purpose, it will be aided by an innovative system of interactive videos produced by renowned experts.

A perfect university education to delve into the neurobiological bases of executive functions.

The Relearning system will allow you to progress in a more natural and effective way through this Postgraduate Certificate.







tech 10 | Objectives



General Objectives

- Provide the graduate with the most innovative academic tools that allow them to know in detail the latest developments related to cognitive functions
- Improve their professional competencies and skills through the practical resolution of real clinical cases taken from the practices of practicing professionals







Specific Objectives

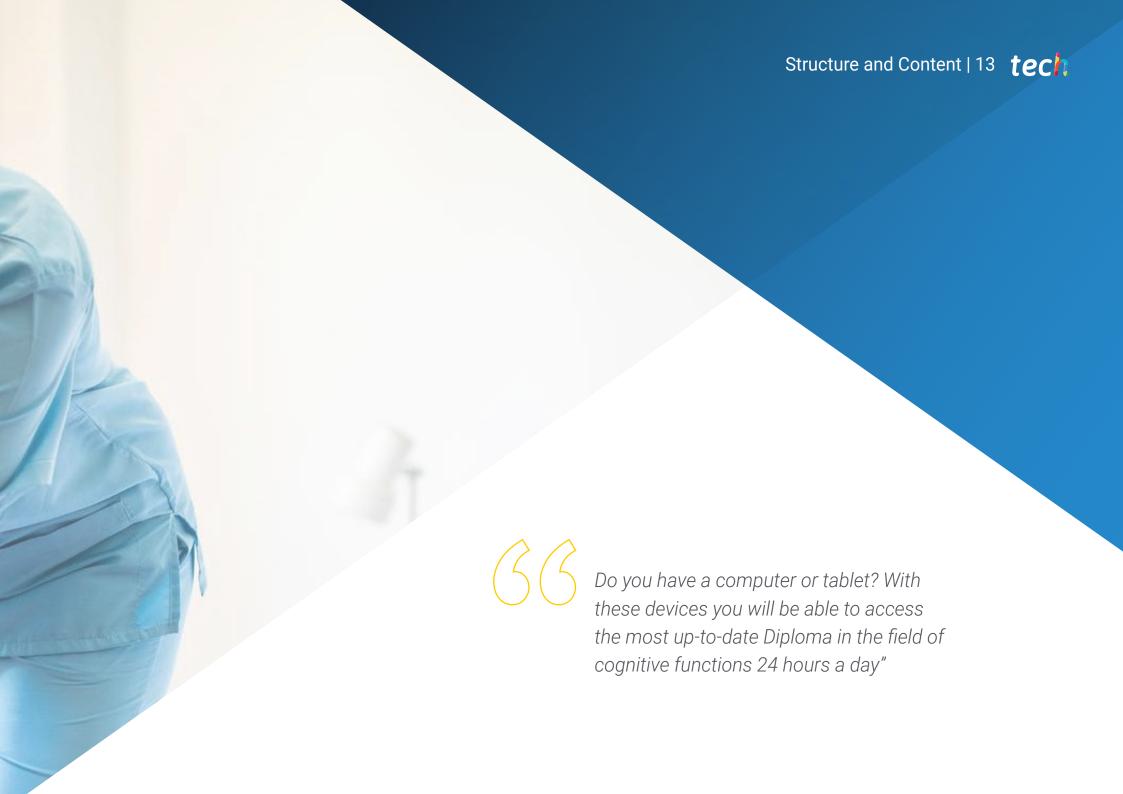
- Know the most important cognitive functions
- Know and contextualize the neurobiological principles of the cognitive functions
- Know the principles and origins of cognitive functions



Delve into the principles of cognitive functions with this 100% online degree"







tech 14 | Structure and Content

Module 1. Cognitive Functions

- 1.1. Neurological Principles of Attention
 - 1.1.1. Introduction to the Concept of Attention
 - 1.1.2. Neurobiological Principles and Foundations of Attention
- 1.2. Neurobiological Principles of Memory
 - 1.2.1. Introduction to the Concept of Memory
 - 1.2.2. Neurobiological Principles and Foundations of Memory
- 1.3. Neurological Principles of Language
 - 1.3.1. Introduction to the Concept of Language
 - 1.3.2. Neurobiological Principles and Foundations of Language
- 1.4. Neurobiological Principles of Perception
 - 1.4.1. Introduction to the Concept of Perception
 - 1.4.2. Neurobiological Principles and Foundations of Perception
- 1.5. Visuospatial Neurobiological Principles
 - 1.5.1. Introduction to Visuospatial Functions
 - 1.5.2. Principles and Fundamentals of Visuospatial Functions
- 1.6. Neurobiological Principles of Executive Functions
 - 1.6.1. Introduction to Executive Functions
 - 1.6.2. Principles and Fundamentals of Executive Functions
- 1.7. Apraxias
 - 1.7.1. What are Praxis?
 - 1.7.2. Features and Types
- 1.8. Gnosis
 - 1.8.1. What are Praxis?
 - 1.8.2. Features and Types
- 1.9. Social Cognition
 - 1.9.1. Introduction to Social Cognition
 - 1.9.2. Characteristics and Theoretical Foundations









Access a program that will allow you to delve more quickly into the different types of praxias and gnosias"





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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. Specialists 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 in the physician's professional practice.



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:

- Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate 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.





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.

Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



Methodology | 21 tech

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, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. 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 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 TECH's learning system is 8.01, according to the highest international standards.

tech 22 | Methodology

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.



Surgical Techniques and Procedures on Video

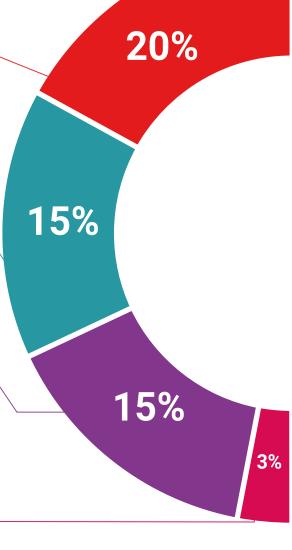
TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many 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 educational system for presenting multimedia content 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.

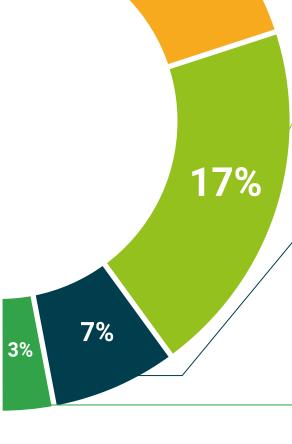
The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



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.









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This **Postgraduate Certificate in Principles of Cognitive Functions** 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 Principles of Cognitive Functions
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.

technological university

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