

Postgraduate Certificate

Principles of Cognitive Functions





Postgraduate Certificate

Principles of Cognitive Functions

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

Website: www.techtute.com/us/psychology/postgraduate-certificate/principles-cognitive-functions

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01

Introduction

Having a good Cognitive Function is essential to ensure the quality of life of any patient, since this complex system allows people to perform tasks such as those related to social cognition, visuospatial skills, gnosias and executive functions. That is why the psychology professional must know in detail the latest diagnostic techniques, as well as the most effective therapies of the moment to be able to apply them in clinical cases characterized by mental pathologies. You will find everything you need to know to get up to date in this program, designed by experts and aimed exclusively at professionals seeking to implement the best strategies in their practice. All this through a 100% online qualification distributed in 150 hours and that includes additional high-quality material to delve in a personalized way in the aspects that you consider necessary.





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A 100% online program with which you can learn in detail the latest developments in Cognitive Functions through a qualification designed exclusively for professionals like you"

Cognitive functions play a very important role in people's daily lives, since they make it possible for them to play an active role in the processes of receiving, selecting, transforming, storing, processing and retrieving information, allowing them to function naturally in the environment that surrounds them. These mental processes are widely related to any task, influencing functions such as attention, orientation, memory, gnosis, executive functions, praxias, language, social cognition and visuospatial skills.

TECH Technological University has developed this Postgraduate Certificate in Principles of Cognitive Functions with the aim that the professional will find, in a single qualification, all the information that will allow them to update themselves on everything related to this area. This is a 100% online program with which the specialist will be able to delve into the different neurobiological principles, their characteristics and types.

To do so, they will have 150 hours of the best theoretical, practical and additional material, which will be presented in different formats: detailed videos, research articles, complementary readings, clinical cases and dynamic summaries of each module. In conclusion, everything you will need to delve into the syllabus in a personalized way. In addition, you will have at your disposal a team of teachers versed in the area, who will accompany you during the course of the educational experience and will be available to answer any questions you may have.

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

- ♦ 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 assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



You will delve into the neurobiological principles of attention and memory, as well as the fundamentals of attention"

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You will have 150 hours of high-quality additional material in different formats, so that you can delve into each aspect of the syllabus”

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.

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 education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

A perfect program to update your knowledge about the neurobiology of language and its fundamentals.

You will be able to know in detail the new developments of the praxis, their characteristics and types.



02

Objectives

TECH has developed this Postgraduate Certificate with the objective of bringing the professional up to date on the latest scientific evidence related to Cognitive Functions. In this way, you will have the most up-to-date and exhaustive knowledge about the different types of principles, as well as their neurobiological foundations and characteristics, which will allow you to improve your professional skills and, therefore, improve the service you provide to your clients.



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If your goal is to incorporate into your practice the latest techniques related to Cognitive Functions, this Postgraduate Certificate will give you everything you need to overcome it in less than 6 weeks"



General Objectives

- Provide the graduate with the latest educational tools that will 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



The objective of this program is that you reach your educational goals in the shortest time possible. That's why TECH will provide you with the best tools to help you achieve it"

03

Course Management

TECH is continually committed to academic excellence. For this reason, each of its programs has teaching teams of the highest reputation. These experts have extensive experience in their professional fields and, at the same time, have achieved significant results with their empirical research and fieldwork. In addition, these specialists play a leading role within the university qualification, as they are in charge of selecting the most up-to-date and innovative content to be included in the syllabus. In addition, they participate in the elaboration of numerous multimedia resources of high pedagogical rigor.



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The teaching materials of this program, elaborated by these specialists, have contents that are completely applicable to your professional experiences”

International Guest Director

Dr. Steven P. Woods is a leading neuropsychologist, internationally recognized for his outstanding contributions to improving clinical detection, prediction and treatment of real-world health outcomes in diverse neuropsychological populations. He has forged an exceptional career path, which has led him to publish over 300 articles and serve on editorial boards in 5 major Clinical Neuropsychology journals.

His excellent scientific and clinical work focuses primarily on the ways in which cognition can hinder and support daily activities, health and well-being in adults with chronic medical conditions. Other areas of scientific relevance, for this expert, also include health literacy, apathy, intra-individual variability and internet navigation skills. His research projects are funded by the National Institute of Mental Health (NIMH) and the National Institute on Drug Abuse (NIDA).

In this regard, Dr. Woods' research approach explores the application of theoretical models to elucidate the role of neurocognitive deficits (e.g., memory) in everyday functioning and health literacy in people affected by HIV and aging. In this way, his interest focuses, for example, on how people's ability to "Remember to Remember", the so-called prospective memory, influences health-related behaviors, such as medication adherence. This multidisciplinary approach is reflected in his groundbreaking research, available on Google Scholar and ResearchGate.

He has also founded the Clinical Neuropsychology Service at Thomas Street Health Center, where he holds a senior position as Director. Here, Dr. Woods provides Clinical Neuropsychology services to people affected by HIV, providing critical support to communities in need and reaffirming his commitment to the practical application of his research to improve lives.



Dr. Woods, Steven P

- ♦ Founder and Director of the Clinical Neuropsychology Service at the Thomas Street Health Center
- ♦ Collaborator in the Department of Psychology, University of Houston
- ♦ Associate Editor at Neuropsychology and The Clinical Neuropsychologist
- ♦ Ph.D. in Clinical Psychology, with a specialization in Neuropsychology, Norfolk State University
- ♦ B.S. in Psychology, Portland State University
- ♦ Member of:
 - ♦ National Academy of Neuropsychology
 - ♦ American Psychological Association (Division 40, Society for Clinical Neuropsychology)

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Thanks to TECH, you will be able to learn with the best professionals in the world”

04

Structure and Content

The importance of creating dynamic, current and highly capacitating qualifications is the basis of TECH Technological University's success. The objective of this university is to offer its students the best programs, which include the most exhaustive syllabus and the most varied and useful additional content. In addition, in order to favor a guaranteed beneficial educational experience, the Relearning pedagogical methodology is used in each one of them, which favors a natural, progressive and highly effective acquisition of knowledge.



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You will be able to access the virtual classroom from any device with internet connection, whether tablet, mobile or pc"

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





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You will become a specialist well-versed in Gnosis and Praxis through the exhaustive analysis of their characteristics and types with this very complete program and with the endorsement of TECH”

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.



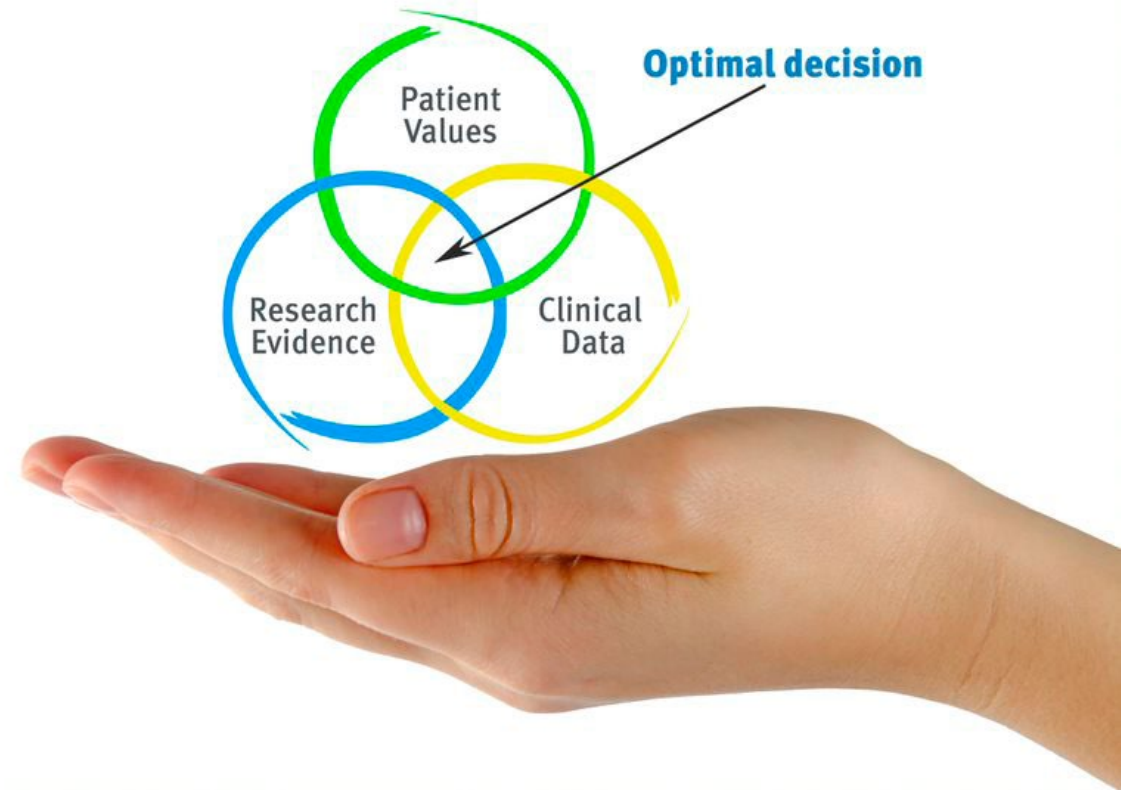
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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

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. 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. 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 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.



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 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 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).

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 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 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

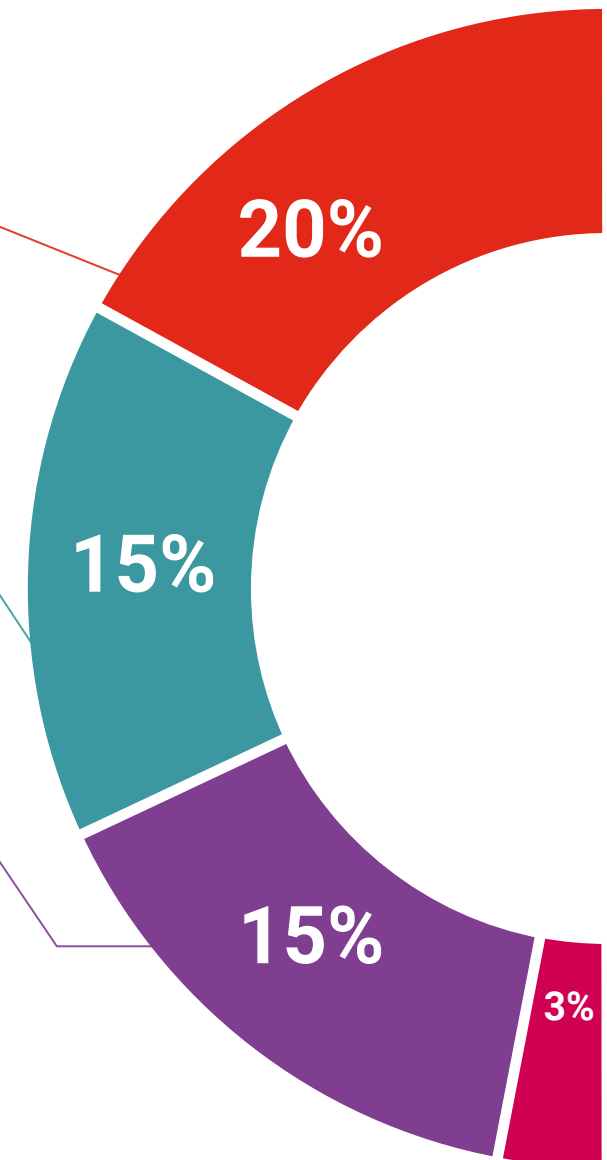
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

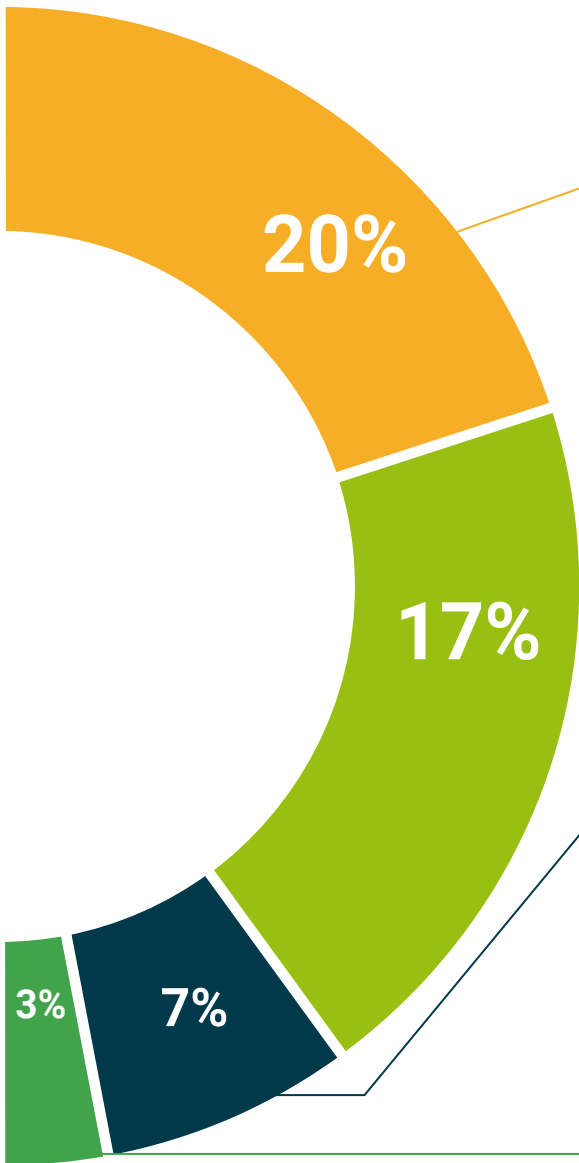
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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 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 Principles of Cognitive Functions guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



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

This **Postgraduate Certificate in Principles of Cognitive Functions** contains the most complete and up-to-date 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 diploma 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 diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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



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

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