Postgraduate Certificate
Principles of Cognitive Functions

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Principles of Cognitive Functions

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

Website: **www.techtitute.com/us/nursing/postgraduate-certificate/principles-cognitive-functions**

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01

Introduction

The role of healthcare professionals is key in a paradigm in which cognitive functions are fundamental in any task to be developed by the human being. Attention, orientation, memory, gnosias, executive functions, praxias, language, social cognition and visuospatial skills are some of the capabilities that develop according to cognition. For this reason, specialists are required to study their origins and know how to identify their characteristics and, above all, how to treat and care for their conditions in an up-to-date manner. For this reason, TECH offers a 100% online program that includes audiovisual content in various formats and additional high-quality material to delve in a personalized way in the most technical aspects of the subject.

" *A 100% online program that will allow you to explore the latest developments in cognitive functions through a qualification designed for the most demanding nurses"*

Cognitive functions are involved in daily actions, as they are responsible for the development of the processes of reception, selection, transformation, storage, processing and retrieval of information. These abilities are key to coexistence in society and the development of human beings in their environment. The need for nurses to specialize in this area arises from their dependence on people, since they must be aware of the most up-to-date therapies in order to contribute to their rehabilitation.

Given their role in basic skills, TECH has developed this Postgraduate Certificate in Principles of Cognitive Functions. This program offers the latest information in the field of action with brain injuries based on the knowledge of experts who are already part of the clinical sector and who have years of experience in it. It is a 100% online program with which specialists will be able to delve into the different neurobiological bases, their characteristics and types.

To achieve this, students will have 180 hours of theoretical-practical and additional materials, with content in different formats, to make the course dynamic and easy to follow. In addition, the specialists will have at their disposal a teaching team that will support and guide them during the course of the educational experience, and will be at their disposal to resolve any doubts that may arise.

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 Nursing 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 self-assessment can be used 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 and its characteristics"

" *This Postgraduate Certificate will allow you to analyze the structures and neurobiological principles of attention and to contribute to its rehabilitation"*

Enjoy accessible teaching wherever you are, thanks to a 100% online modality and dynamic audiovisual content.

A unique opportunity to increase your knowledge of neural disorders in a simple and rigorous way.

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

Its multimedia content, developed with the latest educational technology, will allow professionals to learn in a contextual and situated learning environment, i.e., a simulated environment that will provide immersive education programmed to prepare in real situations.

The design of this program focuses on Problem-Based Learning, by means of which professionals must try to solve the different professional practice situations that are presented to them throughout the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

02
Objectives

The main objective of this Postgraduate Certificate in Principles of Cognitive Functions is to project the professional career of nursing graduates by focusing on cognitive functions. In addition, students will be able to update their knowledge based on the latest scientific evidence related to the neuroscientific area. In this way, they will be able to contribute to the advancement of Neurology thanks to the exhaustive study of the different types of bases, as well as their neurobiological foundations and characteristics.

Fulfill your professional objectives by delving into social cognition thanks to this Postgraduate Certificate, which will bring you up to date 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

- Get to know the most important cognitive functions
- Know and contextualize the neurobiological principles of the cognitive functions
- Gain the knowledge about the principles and origins of cognitive functions

An ideal educational plan for you to delve into the neurobiological principles of perception, language, memory and even visuospatial functions and their foundations"

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.

> " *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)

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

Structure and Content

For the correct distribution of the contents of this program, TECH has integrated the latest teaching technology. Its 100% online mode and the prestigious Relearning pedagogical methodology make the Postgraduate Certificate a unique and enriching experience for students. Nursing graduates will enjoy a complete and comprehensive program that focuses on aspects of cognition, including the most rigorous syllabus and additional varied and useful content. In addition, nurses will be provided with downloadable audiovisual content and additional support material that, together with the tutoring of the teachers, guarantee optimal teaching that can be adapted to their needs.

A program designed for nurses like you who want to delve into current neurological issues with a focus on cognitive impairment"

Module 1. Cognitive Functions

"

Explore the characteristics of gnosias and praxias through an exhaustive analysis with the support of TECH and an expert team versed in the field"

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.

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 Nursing School we use the Case Method

In a given situation, what should a professional do? 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. Nurses learn better, faster, and more sustainably over time.

With TECH, nurses can experience a learning methodology 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, in an attempt to recreate the real conditions in professional nursing 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:

1. Nurses 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 has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.

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 case studies 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 nurse 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.

01
learning from evidence

02
relearning from evidence

03
testing

04
learning from an expert

05
neurocognitive context dependent learning

06
Von-Restorff effect

07
case based learning through storytelling

08
competencies testing (retesting)

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 175,000 nurses with unprecedented success in all specialities regardless of practical workload. 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.

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 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.

Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, 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 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 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.

20%

15%

15%

3%

20%

17%

3%

7%

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.

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 Global University.

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 Principles of Cognitive Functions** 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.
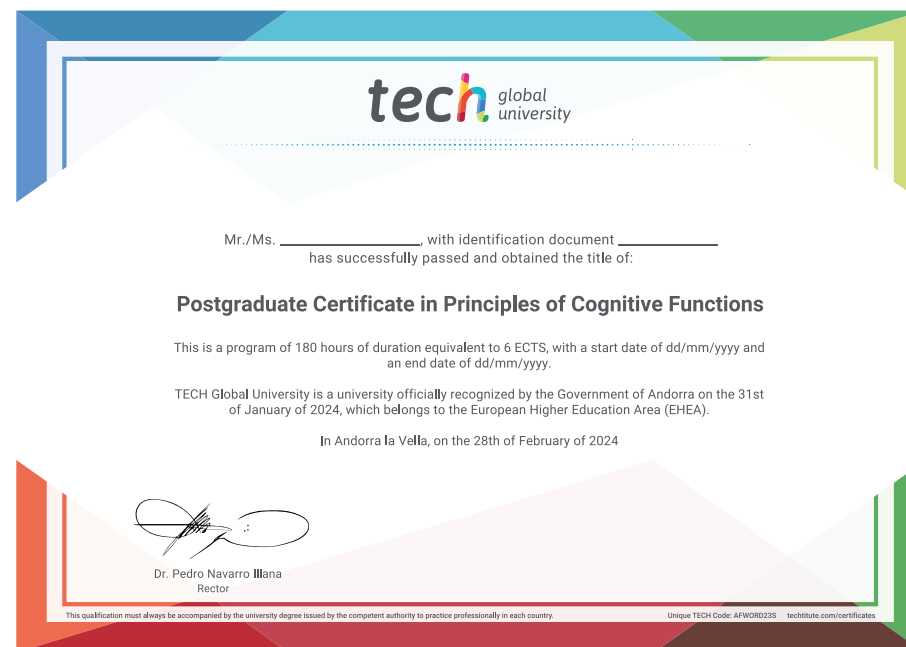
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Principles of Cognitive Functions**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**

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Mr./Ms. _____, with identification document _____ has successfully passed and obtained the title of:

Postgraduate Certificate in Principles of Cognitive Functions

This is a program of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Rector

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.   Unique TECH Code: AFWORD23S   techtitute.com/certificates

*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

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