

Postgraduate Diploma Neuropsychological Assessment and Rehabilitation





Postgraduate Diploma Neuropsychological Assessment and Rehabilitation

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/psychology/postgraduate-diploma/postgraduate-diploma-neuropsychological-assessment-rehabilitation

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01

Introduction

The exhaustive knowledge of the Neuropsychology specialist regarding the possible deficiencies of each patient is fundamental to carry out a complete and accurate assessment, as well as to be able to establish the most appropriate and effective rehabilitation strategies according to the specifications and needs of the clinical case. For this purpose, TECH Technological University has developed this complete and dynamic program, so that the professional can learn in detail the diagnostic interpretation techniques, tests and the newest and most successful treatments in this branch of psychology. The syllabus is designed by experts in the field, as well as additional high-quality material presented in a convenient and accessible 100% online format.



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TECH presents the best qualification on the market with which you can become an expert in Neuropsychological Assessment and Rehabilitation 100% online and in only 6 months”

Neuropsychology has advanced by leaps and bounds in recent years, gaining detailed knowledge of how people's brains work and assessing aspects such as the ability to focus, memory or language. All this has made it possible to understand and work in a more specialized and assertive way with patients suffering from neurodegenerative diseases such as multiple or lateral amyotrophic sclerosis, Parkinson's, Alzheimer's or different types of dementia, among others. In this way, progress has been made, not only in the diagnosis of these pathologies, but also in their treatment, developing increasingly effective and specialized strategies.

With the aim that the professional of this branch of psychology can acquire detailed knowledge of the developments related to neurocognitive study, TECH Technological University has launched the Postgraduate Diploma in Neuropsychological Assessment and Rehabilitation. It is a qualification designed by experts in the sector that includes the latest scientific evidence related to neurodegenerative diseases, the clinical neuropsychological management of their patients and the pharmacological treatments that are currently obtaining the best results. It is, therefore, a versatile and adapted option for you to get up to date on your specialty in order to be able to offer your patients a more specific care and with better guarantees for the increase of their quality of life.

For this, you will have 450 hours of the best theoretical material, which will be accompanied by real clinical cases and additional high-quality material: detailed videos, research articles, complementary readings, images, dynamic summaries of each unit and much more. In addition, its convenient and accessible 100% online format will allow you to connect from any device with internet connection and in a schedule that adjusts to your availability. In conclusion: a program that adapts not only to the latest developments in the profession, but also to the needs of the professional, through a highly customizable educational experience.

This **Postgraduate Diploma in Neuropsychological Assessment and Rehabilitation** contains the most complete and up-to-date educational program on the market. The most important features include:

- ♦ The development of practical cases presented by experts in Psychology and Immunology
- ♦ 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 be able to delve into neurodegenerative diseases, as well as their diagnostic specifications and the most effective treatments and techniques to alleviate their effects"

“

Are you looking for a program with which to delve into the latest pharmacological treatments in Neuropsychological Rehabilitation? Enroll now and get the best information on the subject"

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.

Thanks to the exhaustiveness with which this program has been designed, you will get to know in detail the latest scientific evidence related to Neuropsychological Assessment and Rehabilitation.

A qualification with which you will be able to help even more your patients with multiple sclerosis through the treatments and rehabilitation strategies that are currently obtaining the best results.



02

Objectives

This program has been designed with the objective that the Neuropsychology specialist can be up to date on all the new developments related to the Assessment and Rehabilitation of patients with neurodegenerative diseases. For this purpose, they will have not only the latest teaching tools in the university sector, but also the institutional support of TECH Technological University, which will provide them with all the facilities they need to obtain the best possible results from this educational experience, surpassing their most ambitious objectives.



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If your academic goals include an in-depth knowledge of the most effective techniques in the assessment and diagnosis of Alzheimer's and Pick's dementia, look no further. With this qualification you will pass them with total guarantee"



General Objectives

- ♦ Know in detail the latest developments related to the advances that have been made in the field of Cognitive Neuropsychology
- ♦ Delve in a specialized way into Neuropsychology and the keys to its understanding
- ♦ Develop a broad and comprehensive knowledge of aphasia, agraphia and alexia

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Achieving your professional goals through an educational qualification course adapted to your needs and those of the industry is TECH's main objective"





Specific Objectives

Module 1. Neurodegenerative Diseases

- ♦ Learn about the basics of neurodegenerative diseases
- ♦ Differentiate between and contextualize the different neurodegenerative diseases
- ♦ Know the different types of dementia and learn how to differentiate between them

Module 2. Neuropsychological Evaluation and Rehabilitation

- ♦ Know the basics of neuropsychological assessment and rehabilitation
- ♦ Know the different assessment tools that exist within neuropsychology
- ♦ Know the different techniques in neuropsychological rehabilitation

Module 3. Pharmacological Treatment

- ♦ Know and learn about the basics and foundations of psychopharmacology
- ♦ Know and classify the different types of psychopharmaceuticals
- ♦ Know and contextualize the different uses of psychopharmacological therapy



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

Having a 100% online qualification at the level of the best face-to-face programs is a hallmark that characterizes TECH Technological University. And this is only possible thanks to the support of the teaching team, which actively participates in the composition of the syllabus, the use of the most avant-garde and effective teaching methodology, *Relearning*, and the versatility provided by the fact that the graduate can connect whenever needed and from any device with an internet connection. Thanks to this, you will be able to achieve your objectives and perfect your professional skills in only 6 months in a totally guaranteed way.





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Thanks to the exhaustiveness with which the syllabus has been designed, you will perfectly handle the biofeedback techniques as one of the most effective methods that currently exists in neuropsychological intervention"

Module 1. Neurodegenerative Diseases

- 1.1. Normal Aging
 - 1.1.1. Basic Cognitive Processes in Normal Aging
 - 1.1.2. Superior Cognitive Processes in Normal Aging
 - 1.1.3. Attention and Memory in Elderly People with Normal Aging
- 1.2. Cognitive Reserve and its Importance in Aging
 - 1.2.1. Cognitive Reserve: Definition and Basic Concepts
 - 1.2.2. Functionality of Cognitive Reserve
 - 1.2.3. Influencing Variables in Cognitive Reserve
 - 1.2.4. Interventions Based on Improving Cognitive Reserve in the Elderly
- 1.3. Multiple Sclerosis
 - 1.3.1. Concepts and Biological Foundations of Multiple Sclerosis
 - 1.3.2. Characteristics and Symptomology
 - 1.3.3. Patient Profile
 - 1.3.4. Assessment and Diagnosis
- 1.4. Amyotrophic Lateral Sclerosis
 - 1.4.1. Concepts and Biological Foundations of Amyotrophic Lateral Sclerosis (ALS)
 - 1.4.2. Characteristics and Symptomology
 - 1.4.3. Patient Profile
 - 1.4.4. Assessment and Diagnosis
- 1.5. Parkinson's Disease
 - 1.5.1. Concepts and Biological Foundations of Parkinson's Disease
 - 1.5.2. Characteristics and Symptomology
 - 1.5.3. Patient Profile
 - 1.5.4. Assessment and Diagnosis
- 1.6. Huntington's Disease
 - 1.6.1. Concepts and Biological Foundations of Huntington's Disease
 - 1.6.2. Characteristics and Symptomology
 - 1.6.3. Patient Profile
 - 1.6.4. Assessment and Diagnosis

- 1.7. Dementia of the Alzheimer Type
 - 1.7.1. Concepts and Biological Foundations of Dementia of the Alzheimer Type
 - 1.7.2. Characteristics and Symptomology
 - 1.7.3. Patient Profile
 - 1.7.4. Assessment and Diagnosis
- 1.8. Pick's Dementia
 - 1.8.1. Concepts and Biological Foundations of Pick's Dementia
 - 1.8.2. Characteristics and Symptomology
 - 1.8.3. Patient Profile
 - 1.8.4. Assessment and Diagnosis
- 1.9. Lewy Body Dementia
 - 1.9.1. Concepts and Biological Foundations of Lewy Body Dementia
 - 1.9.2. Characteristics and Symptomology
 - 1.9.3. Patient Profile
 - 1.9.4. Assessment and Diagnosis
- 1.10. Vascular Dementia
 - 1.10.1. Concepts and Biological Foundations of Vascular Dementia
 - 1.10.2. Characteristics and Symptomology
 - 1.10.3. Patient Profile
 - 1.10.4. Assessment and Diagnosis

Module 2. Neuropsychological Evaluation and Rehabilitation

- 2.1. Evaluation of Attention and Memory
 - 2.1.1. Introduction to the Evaluation of Attention and Memory
 - 2.1.2. Main Instruments
- 2.2. Language Evaluation
 - 2.2.1. Introduction to the Evaluation of Language
 - 2.2.2. Main Instruments
- 2.3. Executive Functions Assessment
 - 2.3.1. Introduction to the Evaluation of Executive Functions
 - 2.3.2. Main Instruments



- 2.4. Evaluation of Apraxia and Agnosia
 - 2.4.1. Introduction to the Evaluation of Apraxia and Agnosia
 - 2.4.2. Main Instruments
- 2.5. Variables that Intervene in the Recovery of a Patient
 - 2.5.1. Risk Factors
 - 2.5.2. Protective Factors
- 2.6. Strategies: Restoration, Compensation and Mixed Strategies
 - 2.6.1. Restoration Strategies
 - 2.6.2. Compensation Strategies
 - 2.6.3. Mixed Strategies
- 2.7. Rehabilitation of Attention, Memory, Executive Functions and Agnosias
 - 2.7.1. Rehabilitation of Attention
 - 2.7.2. Rehabilitation of Memory
 - 2.7.3. Rehabilitation of Executive Functions
 - 2.7.4. Rehabilitation of Agnosias
- 2.8. Adapting to the Environment and External Support
 - 2.8.1. Adapting the Environment to Meet the Constraints
 - 2.8.2. How to Help the Patient in an External Way?
- 2.9. *Biofeedback* Techniques as Intervention
 - 2.9.1. *Biofeedback*: Definition and Basic Concepts
 - 2.9.2. Techniques that Use *Biofeedback*
 - 2.9.3. *Biofeedback* as an Intervention Method in Health Psychology
 - 2.9.4. Evidence on the Use of *Biofeedback* in the Treatment of Certain Disorders
- 2.10. Transcranial Magnetic Stimulation (TMS) as an Intervention
 - 2.10.1. Transcranial Magnetic Stimulation: Definition and Basic Concepts
 - 2.10.2. Functional Areas Considered Therapeutic Targets of Transcranial Magnetic Stimulation
 - 2.10.3. Results of the Intervention Through TMS in Health Psychology

Module 3. Pharmacological Treatment

- 3.1. Introduction to Psychopharmacology
 - 3.1.1. Basis and Introduction to Psychopharmacology
 - 3.1.2. General Principles of Psychopharmacological Treatment
 - 3.1.3. Main Applications
- 3.2. Antidepressants
 - 3.2.1. Introduction BORRAR
 - 3.2.2. Types of Antidepressants
 - 3.2.3. Mechanism of Action
 - 3.2.4. Indications
 - 3.2.5. Drugs of the Group
 - 3.2.6. Dosage and Forms of Administration
 - 3.2.7. Side Effects
 - 3.2.8. Contraindications
 - 3.2.9. Drug Interactions
 - 3.2.10. Patient Information
- 3.3. Antipsychotics
 - 3.3.1. Introduction BORRAR
 - 3.3.2. Types of Antipsychotics
 - 3.3.3. Mechanism of Action
 - 3.3.4. Indications
 - 3.3.5. Drugs of the Group
 - 3.3.6. Dosage and Forms of Administration
 - 3.3.7. Side Effects
 - 3.3.8. Contraindications
 - 3.3.9. Drug Interactions
 - 3.3.10. Patient Information
- 3.4. Anxiolytics and Hypnotics
 - 3.4.1. Introduction BORRAR
 - 3.4.2. Types of Anxiolytics and Hypnotics
 - 3.4.3. Mechanism of Action
 - 3.4.4. Indications
 - 3.4.5. Drugs of the Group
 - 3.4.6. Dosage and Forms of Administration
 - 3.4.7. Side Effects
 - 3.4.8. Contraindications
 - 3.4.9. Drug Interactions
 - 3.4.10. Patient Information
- 3.5. Mood Stabilizers
 - 3.5.1. Introduction BORRAR
 - 3.5.2. Types of Mood Stabilizers
 - 3.5.3. Mechanism of Action
 - 3.5.4. Indications
 - 3.5.5. Drugs of the Group
 - 3.5.6. Dosage and Forms of Administration
 - 3.5.7. Side Effects
 - 3.5.8. Contraindications
 - 3.5.9. Drug Interactions
 - 3.5.10. Patient Information
- 3.6. Psychostimulants
 - 3.6.1. Introduction BORRAR
 - 3.6.2. Mechanism of Action
 - 3.6.3. Indications
 - 3.6.4. Drugs of the Group
 - 3.6.5. Dosage and Forms of Administration
 - 3.6.6. Side Effects
 - 3.6.7. Contraindications
 - 3.6.8. Drug Interactions
 - 3.6.9. Patient Information

- 3.7. Anti-Dementia Drugs
 - 3.7.2. Mechanism of Action
 - 3.7.3. Indications
 - 3.7.4. Drugs of the Group
 - 3.7.5. Dosage and Forms of Administration
 - 3.7.6. Side Effects
 - 3.7.7. Contraindications
 - 3.7.8. Drug Interactions
 - 3.7.9. Patient Information
- 3.8. Drugs for the Treatment of Dependency
 - 3.8.1. Types and Mechanism of Action
 - 3.8.2. Indications
 - 3.8.3. Drugs of the Group
 - 3.8.4. Dosage and Forms of Administration
 - 3.8.5. Side Effects
 - 3.8.6. Contraindications
 - 3.8.7. Drug Interactions
 - 3.8.8. Patient Information
- 3.9. Anti-Epileptic Drugs
 - 3.9.1. Mechanism of Action
 - 3.9.2. Indications
 - 3.9.3. Drugs of the Group
 - 3.9.4. Dosage and Forms of Administration
 - 3.9.5. Side Effects
 - 3.9.6. Contraindications
 - 3.9.7. Drug Interactions
 - 3.9.8. Patient Information

- 3.10. Other Drugs: Guanfacine
 - 3.10.1. Mechanism of Action
 - 3.10.2. Indications
 - 3.10.3. Dosage and Forms of Administration
 - 3.10.4. Side Effects
 - 3.10.5. Contraindications
 - 3.10.6. Drug Interactions
 - 3.10.7. Patient Information



Antidepressants, antipsychotics, anxiolytics, mood stabilizers, etc. With TECH, you will master pharmacological treatments, focusing on their indications and contraindications and possible side effects"

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.

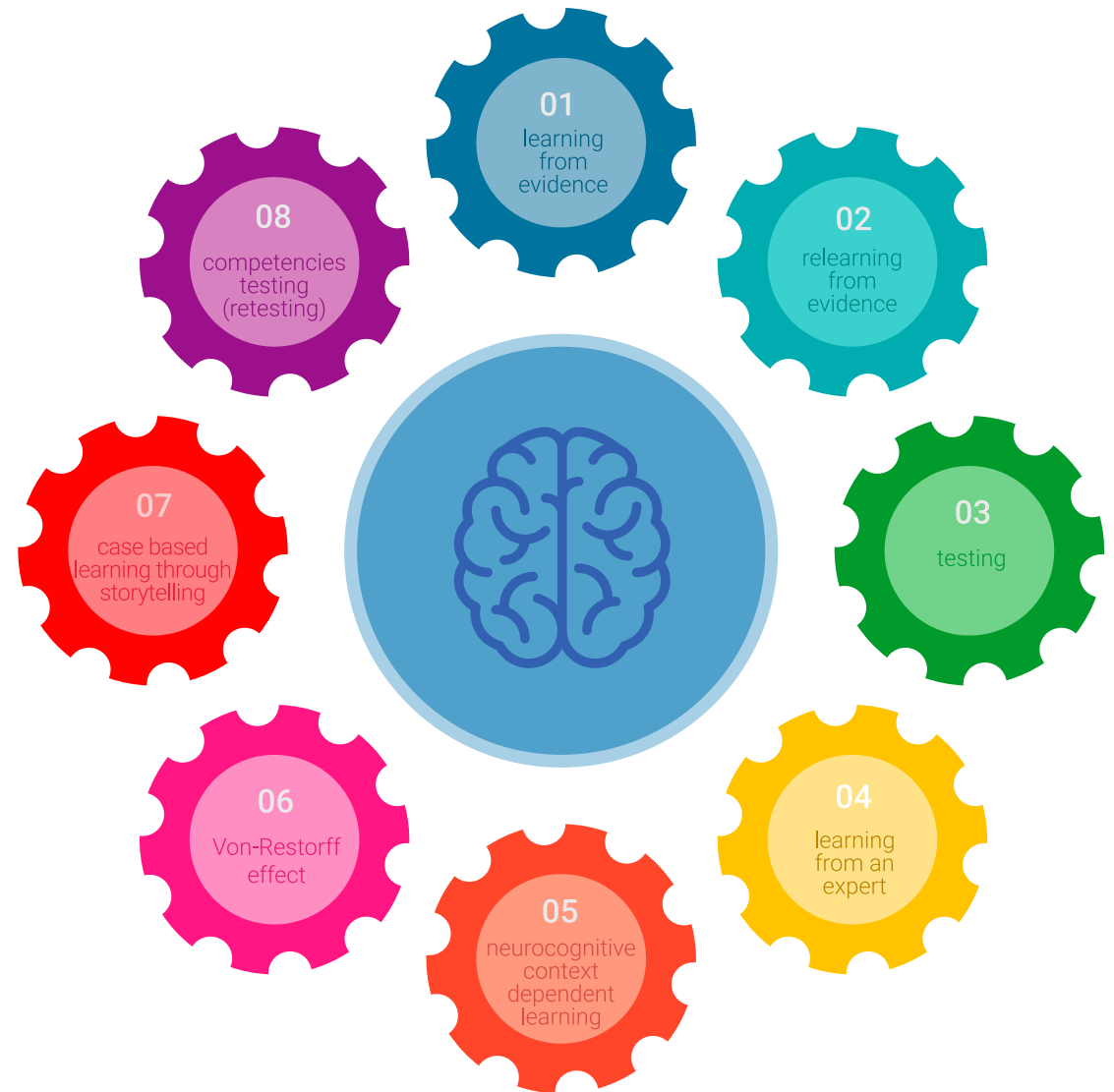


Relearning Methodology

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 adapted in 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

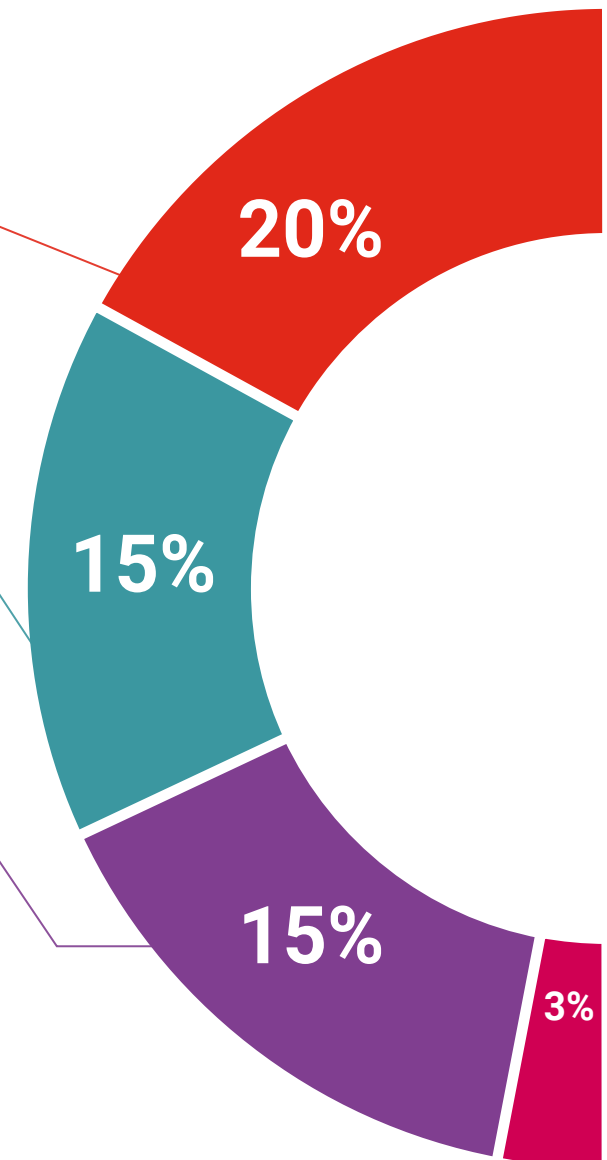
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

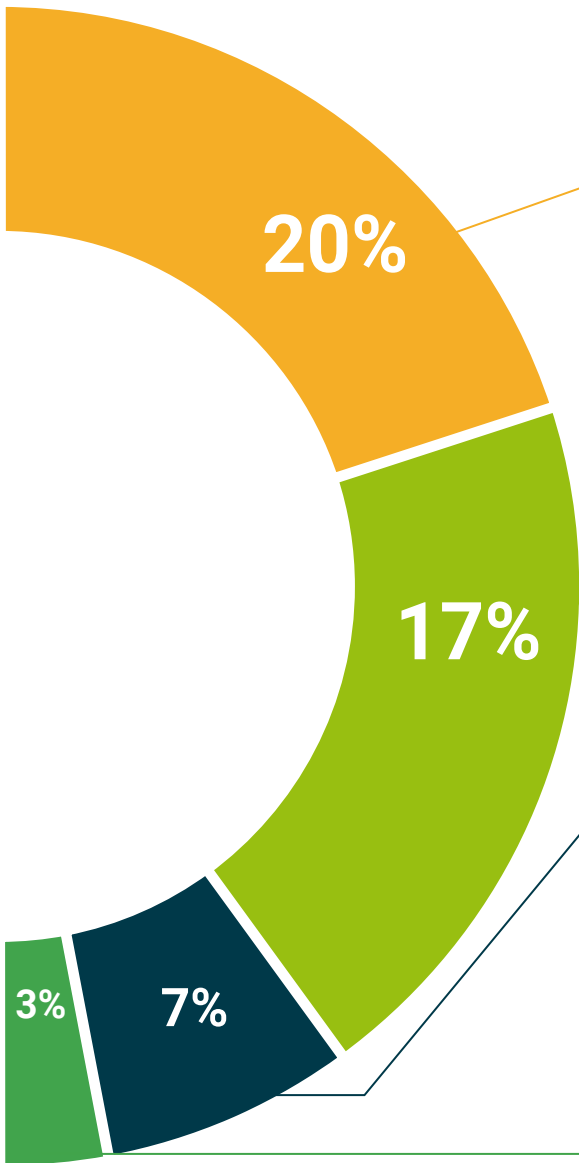
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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 assess and re-assess 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 Diploma in Neuropsychological Assessment and Rehabilitation guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.



The image features two black graduation caps (mortarboards) against a bright blue sky with light clouds. One cap is in the foreground on the left, and another is slightly behind it on the right. The background is split diagonally into a white lower-right section and a magenta upper-right section. The quote is positioned in the white section.

“

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

This **Postgraduate Diploma in Neuropsychological Assessment and Rehabilitation** 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 Diploma** issued by **TECH Technological University** via tracked delivery*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Neuropsychological Assessment and Rehabilitation**

Official N° of Hours: **450 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.



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- » Schedule: at your own pace
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Postgraduate Diploma Neuropsychological Assessment and Rehabilitation

