

# Postgraduate Certificate

## Pharmacological Intervention in Elderly



## Postgraduate Certificate Pharmacological Intervention in Elderly

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

Website: [www.techtitute.com/in/psychology/postgraduate-certificate/pharmacological-intervention-elderly](http://www.techtitute.com/in/psychology/postgraduate-certificate/pharmacological-intervention-elderly)

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# 01

# Introduction

Undoubtedly, numerous studies consider that psychological well-being in old age is related to social support, but we also know that today's centenarians have common individual elements. The fundamental one is none other than knowing how to adapt from realistic optimism to the events of life, in such a way that if things go wrong, one suffers like any other person, but as soon as life provides a positive outlook, one has to adapt to this reality without being fixated on, or absorbed by, what has happened in the past. But there is no doubt that pharmacological intervention is essential for this social support to make sense.





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*Improve your knowledge through this program, where you will find the best didactic material with real clinical cases. Learn here about the latest advances in the specialty to be able to perform a quality psychological praxis”*

This Postgraduate Certificate is unique because it focuses on the ability of pharmacotherapy to alleviate the elements that determine old age, as well as the knowledge of the new roles of the elderly in society, depending on how we incorporate health tools for future generations.

Psychogeriatrics in the 21st century cannot be a way of evaluating, labeling and, subsequently, performing occupational therapy so that the days go by in old age and the elderly person doesn't get in the way too much. Our way of intervening should be to stimulate in a preventive way so that the cognitive deterioration diseases do not occur due to the passage of time.



*Update your knowledge through the Postgraduate Certificate in Pharmacological Intervention in Elderly, in a practical way and adapted to your needs"*

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

- ♦ Clinical cases presented by experts in the different specialties. 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 developments in the assessment and performance of the expert's report
- ♦ 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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*This Postgraduate Certificate may be the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in Pharmacological Intervention in Elderly, you will obtain a certificate from TECH Technological University”*

*The Postgraduate Certificate includes real clinical cases and exercises to bring the content of the program closer to the clinical practice of a psychologist.*

Forming part of the teaching staff is a group of professionals in the world of Psychology, who bring to this course their work experience, as well as a group of renowned specialists, recognised by esteemed scientific communities.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare in real situations.

This program is designed around Problem-Based Learning, whereby the student will must try to solve the different professional practice situations that arise during the course. For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of psychology with extensive teaching experience.



02

# Objectives

The main objective of the program is the development of theoretical and practical learning, so that the psychologist can master in a practical and rigorous way the intervention with the elderly.





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*This updating program will provide you with a sense of confidence in the practice of psychology, which will help you grow both personally and professionally”*



## General Objectives

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- Provide the student with knowledge of the infinite complexity of old age
- Provide skills to deal with the psychological state of the elderly
- Learn how to design multidisciplinary intervention protocols for old age
- Master evaluation, differential diagnosis and intervention in old age
- Provide the skills to support individuals in old age from the here and now



*Make the most of the opportunity and take the step to get up-to-date on the latest developments in the Pharmacological Intervention in Elderly”*







## Specific Objectives

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- ♦ Manage the specific characteristics of old age and their consequences on human behavior
- ♦ Assess and diagnose, taking into account the social and affective surrounding in which the elderly person finds themselves
- ♦ Perform and adapt intervention protocols within an interdisciplinary framework
- ♦ Develop psychosocial intervention protocols, taking into account the role of the patient in their family
- ♦ Train in listening and managing silence with elderly patients
- ♦ Learn the appropriate dynamics for intervention in the elderly
- ♦ Understand and know the differential aspects of mental disorders at this age
- ♦ Know the clinical and prognostic features of the various disorders of old age
- ♦ Master and manage the interferences of aging in the mental disorders to be treated
- ♦ Describe and design protocols with patients who take multiple drugs for different chronic disorders
- ♦ Gain knowledge of the mutations and new types of illness at this age
- ♦ Recognize the emotional withdrawal of elderly patients and allow their expression in a supportive environment

03

# Course Management

This program includes highly regarded health professionals in the field of psychology in its teaching staff, who bring the experience of their work to this training.

In addition, renowned specialists, members of prestigious national and international scientific communities, are involved in designing and preparing the program.







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*Learn from leading professionals, the latest advances in Pharmacological Intervention in Elderly”*



## Management



### Dr. Anasagasti, Aritz

- ♦ European specialist psychologist in Psychotherapy from the EFPA at the CEP health center in Bilbao
- ♦ President of Emotional Network
- ♦ Master's Degree in Time-Limited Psychotherapy and Health Psychology
- ♦ Psychogeriatrics Specialist. Creator of the home-based intervention
- ♦ Member of the Basque Association of Gestalt Therapy
- ♦ Reciprocal Interaction Psychotherapist
- ♦ Specialist in neurodegenerative diseases from the University of the Basque Country
- ♦ Responsible for the computer development of Emotional Management and Treatment in the Elderly

## Coordinator



### Aguado Romo, Roberto

- ♦ Psychologist specializing in Clinical Psychology
- ♦ European Specialist in Psychotherapy by the EFPA, President of the European Institute for Time Limited Psychotherapy.
- ♦ Author with patents in psychotherapy models and techniques.
- ♦ Director of the Evaluation and Psychotherapy Center of Talavera, Bilbao and Madrid
- ♦ Director of the scientific journal Psinapsis
- ♦ Master's Degree in Clinical and Health Psychology from the Spanish Society of Psychosomatic Medicine and Health Psychology
- ♦ Tutor of the Basic Psychology course at the UNED

## Professors

### **Fernández Sánchez, 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 TEN technique
- ♦ Head of studies on the Master's Degree in Time-Limited Psychotherapy and Health Psychology
- ♦ Specialist in Clinical Hypnosis and Relaxation

### **Ms. Casado, Maria**

- ♦ Health Psychologist
- ♦ Specialist in Family and Couple Intervention in the Spanish Police Confederation in Madrid
- ♦ Master's Degree in Time-Limited Psychotherapy and Health Psychology

### **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 in Time-Limited Psychotherapy and Health Psychology by the European Institute of Time-Limited Psychotherapies.
- ♦ Specialist in Clinical Hypnosis and Relaxation

### **Ms. Roldan, Lucia**

- ♦ Health Psychologist
- ♦ Cognitive-behavioral intervention specialist
- ♦ Master's Degree in Time-Limited Psychotherapy and Health Psychology. Expert in energy therapy intervention

### **Ms. Soria, Carmen**

- ♦ European specialist psychologist in Psychotherapy at the Spanish Police Confederation health center Madrid
- ♦ Head of Psychosocial Unit
- ♦ Health Psychologist
- ♦ Master's Degree in Time-Limited Psychotherapy and Health Psychology.
- ♦ Specialist in chronic patients
- ♦ specialist in Clinical Hypnosis and Relaxation

### **Ms. Otero, Veronica**

- ♦ European specialist psychologist in Psychotherapy at the CEP health center in Bilbao
- ♦ Head of the children and youth area of intervention with PTL in the CEP of Bilbao
- ♦ Master's Degree in Time-Limited Psychotherapy and Health Psychology. Child and Adolescent Specialist

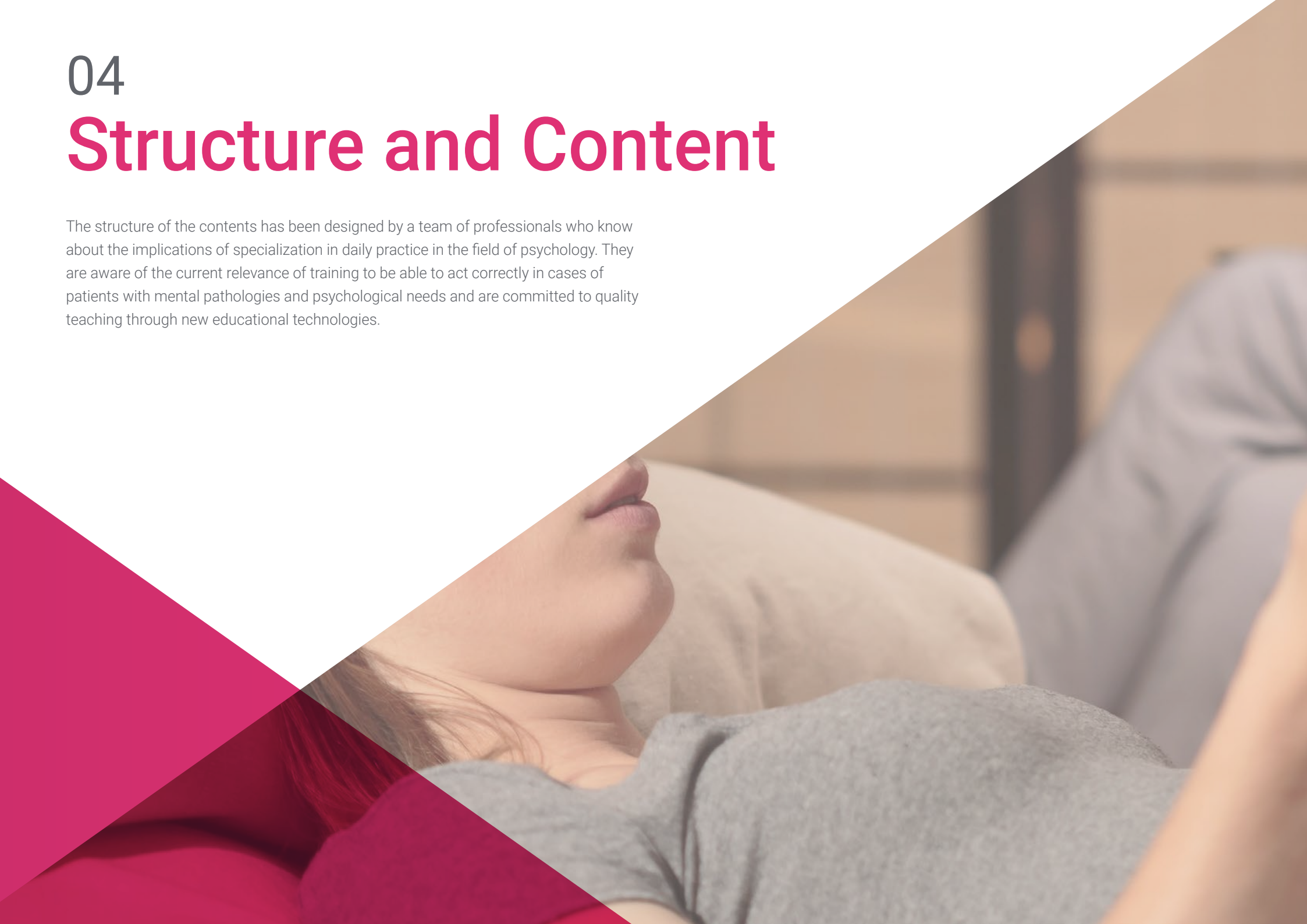
### **Dr. Zabala-Baños, M<sup>a</sup> Carmen**

- ♦ PhD in Psychology from University of Castilla La Mancha
- ♦ Health Psychologist.
- ♦ Master's Degree in Clinical and Health Psychology
- ♦ Master's Degree in Time-Limited Psychotherapy and Health Psychology
- ♦ Psychosocial and Work Rehabilitation Specialist
- ♦ UCLM European specialist psychologist in psychotherapy
- ♦ EFPA
- ♦ Specialist in Clinical Hypnosis and Relaxation

04

# Structure and Content

The structure of the contents has been designed by a team of professionals who know about the implications of specialization in daily practice in the field of psychology. They are aware of the current relevance of training to be able to act correctly in cases of patients with mental pathologies and psychological needs and are committed to quality teaching through new educational technologies.



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*This Postgraduate Certificate in Pharmacological Intervention in Elderly contains the most complete and up-to-date scientific program on the market”*



## Module 1. Pharmacological Intervention in the Elderly

- 1.1. Geriatric Psychopharmacology (Dr. Luis F. Agüera Ortiz)
- 1.2. Fragility and Vulnerability of the Elderly Person
- 1.3. Polypharmacy in the Elderly
- 1.4. Pharmacokinetic Changes
  - 1.4.1 Lowering of Body Water Levels
  - 1.4.2 Reduced Protein Binding
  - 1.4.3 More Time Taken to Reach Peak Plasma Levels
  - 1.4.4 Greater Variability in Achieving Stable Plasma Levels
  - 1.4.5 Reduced Hepatic Metabolism
  - 1.4.6 Reduced Renal Clearance
  - 1.4.7 Risk of Interactions
  - 1.4.8 New Pharmacodynamics
- 1.5. Pharmacological Treatment for Anxiety of Elderly People
  - 1.5.1 Benzodiazepines
  - 1.5.2 ISRS
  - 1.5.3 Atypical Antidepressants
- 1.6. Pharmacological Treatment for Depression in Elderly People
  - 1.6.1 ISRS
  - 1.6.2 Non-Tricyclic Antidepressants
  - 1.6.3 Dual Antidepressants
- 1.7. Pharmacological Treatment for Bipolar Disorder in the Elderly
  - 1.7.1 Lithium
  - 1.7.2 Anti-Convulsants
- 1.8. Antiseizure Medications
- 1.9. Medications for Agitation in the Elderly
- 1.10. Pharmacology of Confusion
- 1.11. Drugs for Dementia
- 1.12. Medication Against Deficiencies
- 1.13. Pharmacological Intervention in Somatization







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*A unique, key, and decisive experience to boost your professional development”*

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 Pharmacological Intervention in Elderly 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 **Pharmacological Intervention in Elderly** contains the most complete and up-to-date scientific 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 Pharmacological Intervention in Elderly**

Official N° of Hours: **200 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.

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



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