



Postgraduate Diploma

Nutrition in Special Populations in Diet Therapy

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/physiotherapy/postgraduate-diploma/postgraduate-diploma-nutrition-special-populations-diet-therapy

Index

> 06 Certificate

> > p. 32





tech 06 | Introduction

A balanced nutrition is essential to ensure the optimal development of the body, especially in those people who, due to the suffering of certain diseases, have deficiencies: the case of patients with kidney, liver, pancreatic, nervous system or oncological pathologies, which, in many occasions, also cause bone and muscle consequences that force them to go to the physiotherapist in search of physical relief.

For this reason, the service of this professional, in terms of the combined use of therapeutic strategies and personalized nutritional plans, has become an increasingly frequent demand, which is why TECH has considered it necessary to launch this Postgraduate Diploma in Nutrition in Special Populations in Diet Therapy. This is an austere and dynamic program thanks to which the specialist will be able to keep up to date with the latest news related to the dietary needs of these people, and will be able to implement in his practice the elaboration of specific and beneficial diets.

For this you will have 450 hours of the best theoretical, practical and additional material, including detailed videos, research articles, complementary readings and the best: real clinical cases extracted from the consultations of TECH experts with whom you will be able to work on improving your professional skills. All in a convenient and accessible 100% online format with which you can update your knowledge from anywhere and with a schedule fully adapted to your availability.

This **Postgraduate Diploma in Nutrition in Special Populations in Diet Therapy** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of case studies presented by experts in Nutrition and Endocrinology and endocrinology
- 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 offer a combined service that includes physiotherapeutic therapies, as well as nutritional plans adapted to each patient, based on the latest developments in the field of Diet Therapy"



A program with which you can work on improving your skills in assessing the eating habits of patients who come to your office"

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.

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.

This Postgraduate Diploma will enable you to implement in your practice the most innovative strategies for goal planning and nutritional consultations in the field of of Diet Therapy.

You will have 450 hours of the best theoretical, practical and additional content to deepen each aspect of the syllabus in a personalized way.







tech 10 | Objectives

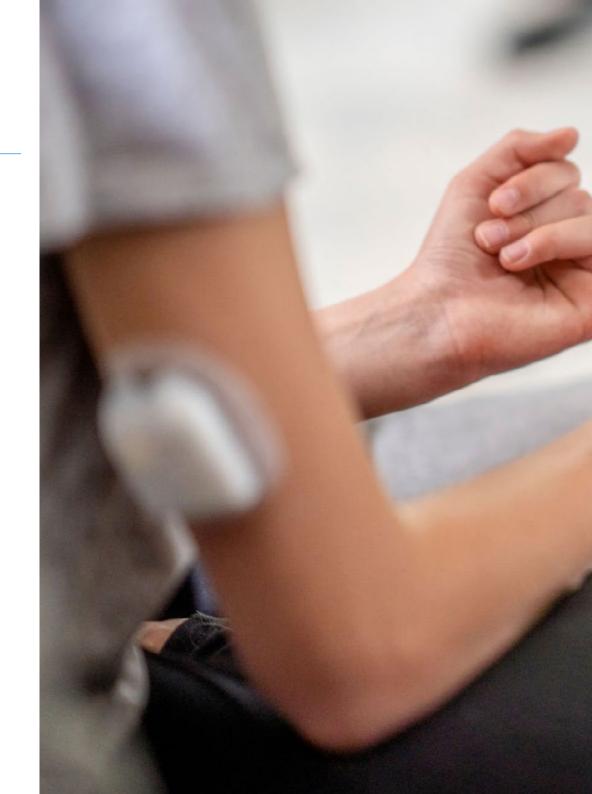


General Objectives

- Broaden knowledge and incorporate advanced and innovative knowledge in food and nutrition in the daily clinical practice of the specialist
- Revise the fundamental aspects of healthy eating, with a current approach aimed at risk prevention
- Delve into the correct management of daily nutrition
- Examine the most common syndromes and symptoms related to nutritional problems



You will delve into the benefits of nutrition in severe neurological injuries, aspects that you will be able to apply to your patients to achieve a faster and more effective recovery"





Specific Objectives

Module 1. Nutrition in Renal, Hepatic and Pancreatic Diseases

- Update knowledge of renal, hepatic and pancreatic functions and pathologies, and their relationship with nutrition
- Assess clinical cases, application tools in nutrition consultation
- Plan nutritional treatments based on scientific evidence and assessment of evolution

Module 2. Nutrition in Nervous System Pathologies

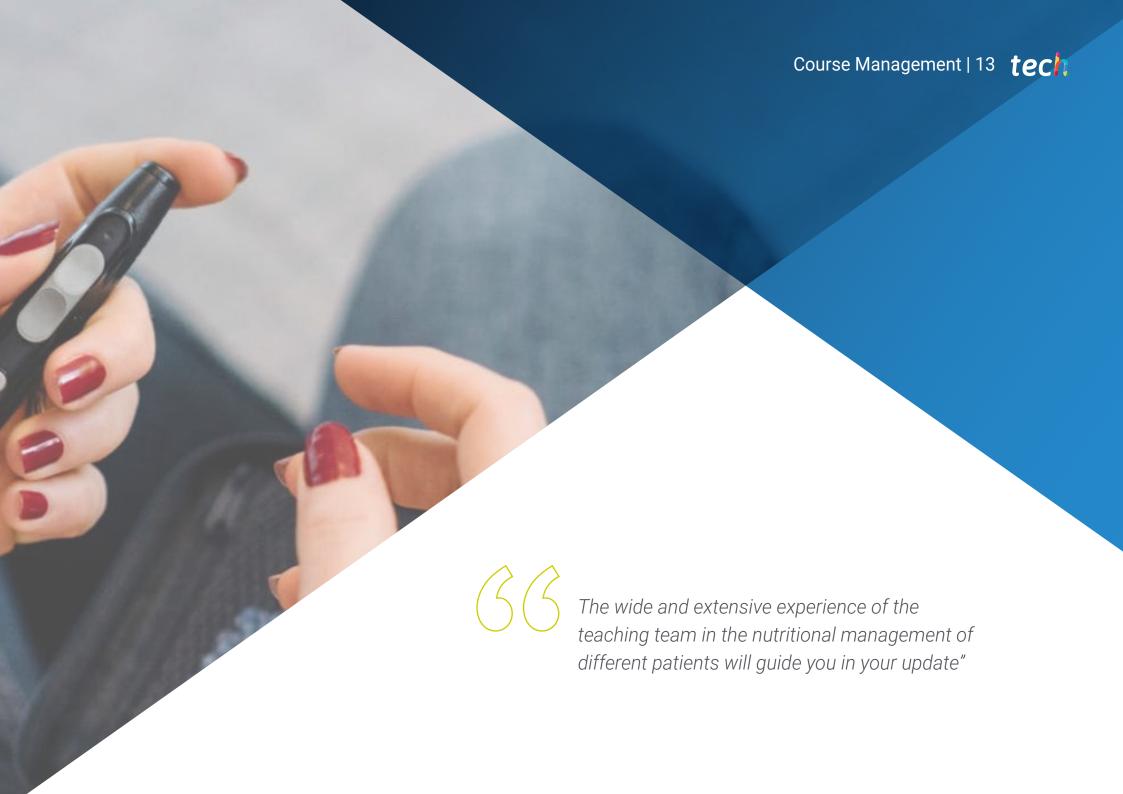
- Update on the scientific evidence of the relationship between nervous system pathologies and nutrition
- Assess the patient's needs and difficulties, in addition to an adequate assessment
 of the nutritional status
- Learn the main psychological aspects of patients with alterations of behavioral disorders

Module 3. Oncology Patient Nutrition

- Know how this pathology affects the nutritional level, from the organic, psychological and metabolic point of view
- Identify La malnutrition in the context of a neoplastic disease as the only pathology or in the pluripathological patient, as well as to prevent them
- Personalize the nutritional treatment, covering the needs of the patient in antineoplastic treatment, and/or surgeries







tech 14 | Course Management

Management



Dr. Vázquez Martínez, Clotilde

- Corporate Head of the Endocrinology and Nutrition Departments, Jiménez Díaz La Foundation
- Head of the Endocrinology and Nutrition Department at Ramón y Cajal Hospital (Madrid) and Severo Ochoa Hospital, Leganés
- President of La SENDIMAD (Society of Endocrinology, Nutrition, and Diabetes of the Community of Madrid)
- Coordinator Therapeutic Education Group Group of the Spanish Society of Diabetes
- Doctorate from the Faculty of Medicine at the Autonomous University of Madrid
- Degree in Medicine and Surgery from the Faculty of Medicine of the University of Valencia
- · Specialist in Endocrinology and Nutrition via Medical Residency at the Jimenez Díaz Foundation
- Abraham García Almansa Clinical Nutrition Lifetime Achievement Award
- Recognized among the 100 best Doctors in Spain according to Forbes list
- Castilla La Mancha Diabetes Foundation (FUCAMDI) Diabetes and Nutrition Lifetime Achievement Award



Dr. Montoya Álvarez, Teresa

- Head of the Endocrinology and Nutrition Service of the Infanta Elena University Hospital
- Head of Volunteering at the Garrigou Foundation
- Degree in Medicine and Surgery from the University of Navarra
- Master in Obesity and its Comorbidities: Prevention, Diagnosis and Integral Treatment at the University Rey Juan Carlos
- Course in Bariatric Antecedents of Surgery Patient Emergencies: Key References for the Attending Physician
- Member of: Institute for Health Research Foundation Jiménez Díaz, Health Commission of FEAPS Madrid, Trisomy 2⁻
 Research Society



Dr. Sánchez Jiménez, Álvaro

- Specialist in Nutrition and Endocrinology at Jiménez Díaz Foundation HU
- Nutritionist at Medicadiet
- · Clinical Nutritionist specialized in prevention and treatment of obesity, diabetes and their comorbidities
- Nutritionist in the Predimed Plus Study
- Nutritionist at Eroski
- Nutritionist at Axis Clinic
- Professor on the Master's Degree in in Obesity and its Comorbidities. Rey Juan Carlos University
- Professor at the Course of Excellence in Obesity at the Fundación Jimenez Díaz Hospital Novo Nordisk
- · Graduate in Human Nutrition and Dietetics from the Complutense University of Madrid
- Nutrition in the elderly, Complutense University of Madrid
- Nutrition and Sport for Professionals, Tripartite Foundation
- Refresher course on practical type 1 and 2 diabetes for healthcare professionals

Professors

Dr. Prieto Moreno, Ana

- Nutritionist in the Department of Endocrinology and Nutrition at Jiménez Foundation Hospital
- Nutritionist at Hospital General de Villalba and HospitalUniversitario Infanta Elena
- Nutritionist at the Consejo Superior de Deportes, WWF, Medicadiet and Sanitas Sociedad Anónima de Seguros
- Nutritionist at Hospital Universitario La Paz, Mapfre Foundation, Copernal Publishing and Diabetes Magazine
- Master in Obesity and its Comorbidities, Prevention Strategies, Diagnosis and Integral Treatment at the University of Alcalá
- Master in Physical Anthropology, Human Evolution and Biodiversity at the Complutense University
 of Madrid
- Degree in Human Nutrition and Dietetics at the Autonomous University of Madrid

Dr. Martínez Martínez, Alberto

- Nutritional Advisor at Santiveri
- Dietitian responsible for the menu of children with food allergy. Gastronomic
- Dietician- Clinical Nutritionist at the University Hospital Antonio
- Degree in Human Nutrition and Dietetics. Fluminense Federal University
- Graduate in Human Nutrition and Dietetics at the University of Valencia
- Master's Degree in Agri-environmental and Agri-food Sciences. Autonomous University of Madrid

Dr. González Toledo, Beatriz María

- Nurse expert in Hemodialysis and Nutrition and Health
- Nephrology Nurse Unit of the Fundación Jiménez Díaz Hospital
- Nurse Director of Dialysis at the Íñigo Álvarez de Toledo Renal Foundation
- Master's Degree in Hemodialysis for Nurses at the Complutense University of Madrid
- Master's Degree in Nutrition and Health at the Open University of Catalonia
- Postgraduate Diploma in Peritoneal Dialysis for Nurses at Cardenal Herrera University
- Graduate in Nursing from the Autonomous University of Madrid

Ms. Yela Salguero, Clara

- Dietitian Coordination of Clinical Trials
- Dietician at the Fundación Jiménez Díaz Hospital
- Clinical Trials Coordinator at the Ramón y Cajal Hospital
- Dietitian at the Severo Ochoa Hospital, in Leganés
- Dietitian in the Integral Obesity Treatment Unit at the San José Hospital in Madrid
- Postgraduate Certificate in Human Nutrition and Dietetics at Alfonso X El Sabio University
- Degree in Food Science and Technology at the Complutense University of Madrid

Ms. Labeira Candel, Paula

- Clinical nutritionist in the Bariatric Endoscopy Unit at HM Hospitales
- Sports and clinical nutritionist at Quirón Salud Instituto de Sobrepeso y Obesidad

tech 18 | Course Management

- Nutritionist Sports and Clinical at Medicadiet, Slimming & Nutrition
- Sports nutritionist at C.F. TrivalValderas de Alcorcón
- Food and water quality analyst in the Andalusian Health Service
- Diploma in Human Nutrition and Dietetics at the Pablo Olavide University of Seville
- Bachelor 's Degree in Food Science and Technology
- Diploma in Human Nutrition and Dietetics
- Master's Degree in Sports Training and Nutrition at the European University of Madrid

Ms. Manso del Real, Paula

- Deputy Director of Nursing at the Íñigo Álvarez de Toledo Renal Foundation
- Nursing Supervisor of the Dialysis Unit of the Íñigo Álvarez de Toledo Renal Foundation
- Nephrology Nurse at the Nephrology Unit of the Fundación Jiménez Díaz University Hospital
- Diploma in Nursing at the Francisco de Vitoria University
- Degree in International Cooperation and Health Promotion at the Francisco de Vitoria University
- Degree in International Cooperation and Health Promotion at the Francisco de Vitoria University
- Master's Degree in Hemodialysis for Nurses at the Complutense University of Madrid

Dr. Sanz Martínez, Enrique

- Clinical Nutritionist at the University Hospital General de Villalba and Rey Juan Carlos University Hospital
- Dietitian in the project PLUS researcher in the Health Research Institute of the Jiménez Diaz Foundation
- Researcher and collaborator in the NUTRICOVID study
- Researcher and collaborator in the cross-sectional prospective OBESTIGMA study



- Graduate in Human Nutrition and Dietetics at the Complutense University of Madrid
- Master's Degree in Clinical Nutrition at the Catholic University of San Antonio in Murcia
- Master in Obesity and its Comorbidities: Prevention, Diagnosis and Integral Treatment at the University Rey Juan Carlos

Dr. Hoyas Rodríguez, Irene

- Specialist in Endocrinology and Nutrition
- Specialist in Endocrinology and Nutrition at the Fundación Jiménez Díaz and Infanta Elena Hospitals
- Specialist in Endocrinology and Nutrition at the Beata María Ana Hospital
- Specialist in Endocrinology at the University Hospital 12 de Octubre
- Degree in Medicine from the Complutense University of Madrid
- Postgraduate course in Treatment of Diabetes Mellitus Type 2 at the Autonomous University of Barcelona

Dr. López Escudero, Leticia

- Dietitian and nutritionist Clinical Analysis
- Clinical Dietician and Nutritionist at La Hospital university Fundación Jiménez Díaz
- Dietician and Nutritionist at the University Hospital Infanta Elena
- Nutritionist at Diet La Clinic
- Lecturer in graduate studies Degree in Human Nutrition and Dietetics
- Graduate in Human Nutrition and Dietetics at the Complutense University of Madrid
- Master in Obesity and its Comorbidities: Prevention, Diagnosis and Integral Treatment at the University Rey Juan Carlos
- Master's Degree in Nutrition in Physical Activity and Sport at the Universidad Oberta de Cataluña

Dr. Modroño Móstoles, Naiara

- Specialist in Endocrinology
- Doctor Specialist in Pediatric Endocrinology and Nutrition at the Foundation Jimenez Diaz Hospital
- Doctor Specialist in Endocrinology the Infanta Elena University Hospital
- Doctor Specialty in Endocrinology at the University Hospital of Getafe
- Author of various articles published in scientific journals
- Postgraduate Certificate in Treatment of Diabetes Mellitus Type 2 at the Autonomous University of Barcelona





tech 22 | Structure and Content

Module 1. Nutrition in Renal, Hepatic and Pancreatic Diseases

- 1.1. Nutrients
 - 1.1.1. Enzymatic Activity, Metabolism, Filtration and Diuresis
- 1.2. Habits, Risks, Previous and Causative Comorbidities, and Assessment of Feeding Habits
- 1.3. Nutrition in CKD: Predialysis
- 1.4. Nutrition in CKD: Dialysis: Renal Transplantation
- 1.5. Diabetic Nephropathy
- 1.6. Renal Lithiasis
- 1.7. Pancreatic Insufficiency
- 1.8. Non-Alcoholic Hepatic Steatosis, Fibrosis, Hepatic Cirrhosis and Vesicular Lithiasis
- 1.9. Modulation of the Intestinal Microbiota in Renal, Pancreatic and Hepatic Pathology
- 1.10. Psychological Aspects and Planning of Objectives and Consultations

Module 2. Nutrition in Nervous System Pathologies

- 2.1. Nutrition in the Prevention of Cognitive Impairment, Dementia and Alzheimer's Disease
- 2.2. Nutrition and Psychoaffective Pathologies
 - 2.2.1. Depression
 - 2.2.2. Bipolar Disorder
- 2.3. Pathologies with Altered Eating Behavior
 - 2.3.1. Schizophrenia
 - 2.3.2. Borderline Personality Disorder
- 2.4. Eating disorder
 - 2.4.1. Anorexia
 - 2.4.2. Bulimia
 - 2.4.3. BED
- 2.5. Nutrition in Degenerative Pathologies
 - 2.5.1. Multiple Sclerosis
 - 2.5.2. Amyotrophic Lateral Sclerosis
 - 2.5.3. Muscular Dystrophies

- 2.6. Nutrition in Pathologies with Uncontrolled Movement
 - 2.6.1. Parkinson's Disease
 - 2.6.2. Huntington's Disease
- 2.7. Nutrition in Epilepsy
- 2.8. Nutrition in Neuralgias
 - 2.8.1. Chronic Pain
- 2.9. Nutrition in Severe Neurological Injuries
- 2.10. Toxics, Bioactive Compounds, Intestinal Microbiota and their Relationship to Nervous System Diseases

Module 3. Oncology Patient Nutrition

- 3.1. Pathophysiology of Cancer
- 3.2. Relationship of Cancer with Eating Habits and Potential Carcinogens
- 3.3. Assessment of Nutritional Status in the Oncologic Patient
- 3.4. Nutrient-Antineoplastic Treatment Interaction
 - 3.4.1. Specific Changes in the Most Frequently Used Antineoplastic Agents
- 3.5. Psychological Aspects in the Patient and General Nutritional Recommendations in the Oncology Patient
- Nutrition in the Appetite and Swallowing Alterations Caused by the Pathology or Treatments
 - 3.6.1. Anorexia
 - 3.6.2. Dysgeusia
 - 3.6.3. Dysphagia
 - 3.6.4. Mucositis
 - 3 6 5 Xerostomia
- 3.7. Nutrition in Digestive Disorders Caused by Pathology or Treatments
 - 3.7.1. Malabsorption
 - 3.7.2. Diarrhea
 - 3.7.3. Dysbiosis
 - 3.7.4. Constipation



Structure and Content | 23 tech

- 3.8. Nutrition in Metabolic Alterations Caused by the Pathology: Cachexia
- 3.9. Nutrition Before and After Oncological Surgery
 - 3.9.1. Head and Neck
 - 3.9.2. Esophageal
 - 3.9.3. Gastric
 - 3.9.4. Pancreaticobiliary
 - 3.9.5. Small and Large Intestine
- 3.10. Hospital Nutrition
 - 3.10.1. Oral
 - 3.10.2. Enteral
 - 3.10.3. Parenteral

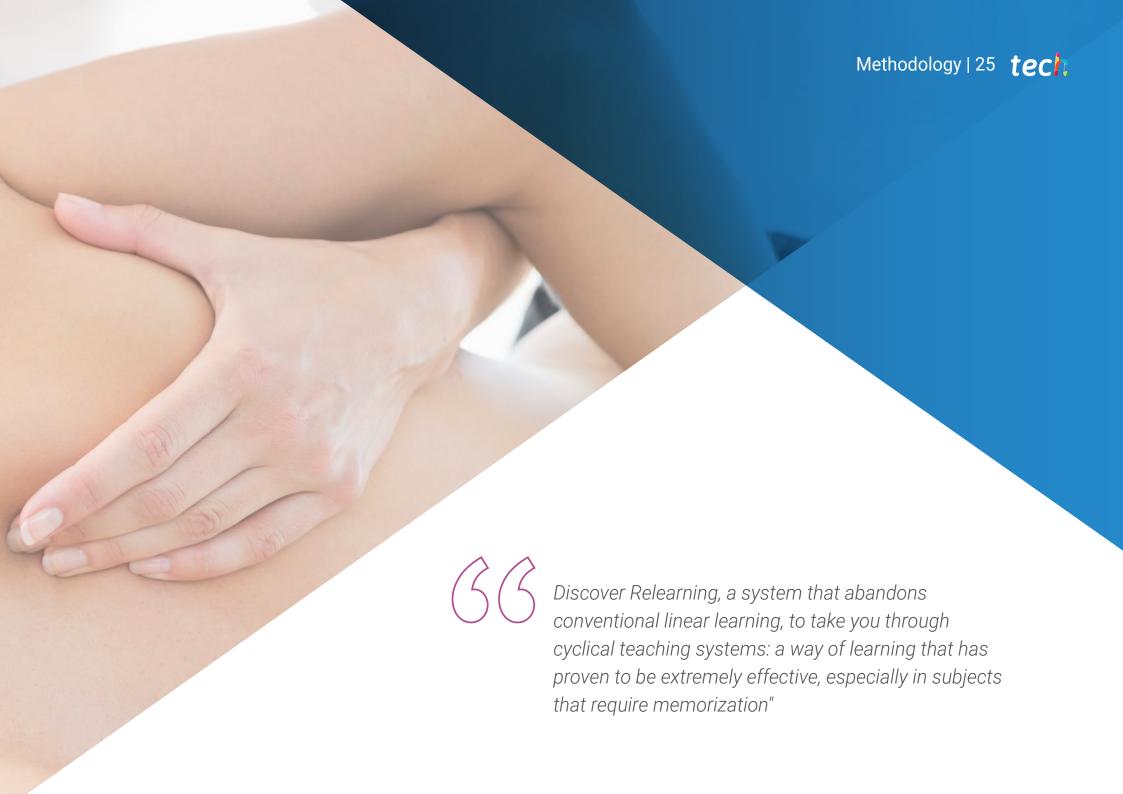


Without schedules or on-site classes, you will get up to date on Dietetics in special populations in only 6 months, in an austere, comfortable and 100% guaranteed way"



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.

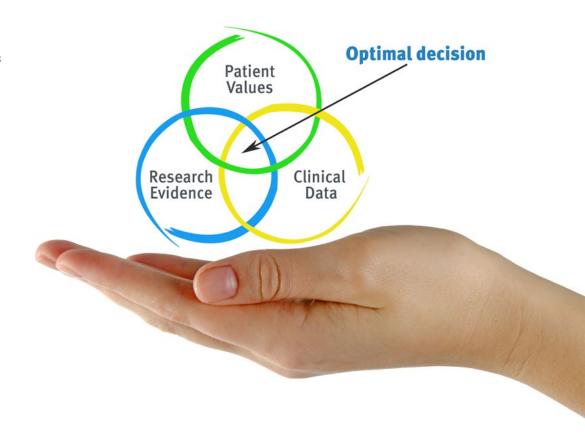


tech 26 | Methodology

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. Physiotherapists/kinesiologists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions of professional physiotherapy 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. Physiotherapists/kinesiologists 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 physiotherapist/kinesiologist to better integrate into the real world.
- 3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
- **4.** Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.





Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

The physiotherapist/kinesiologist 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.





Methodology | 29 tech

At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology we trained more than 65,000 physiotherapists/kinesiologists with unprecedented success in all clinical specialties, regardless of the 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 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 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.



Physiotherapy Techniques and Procedures on Video

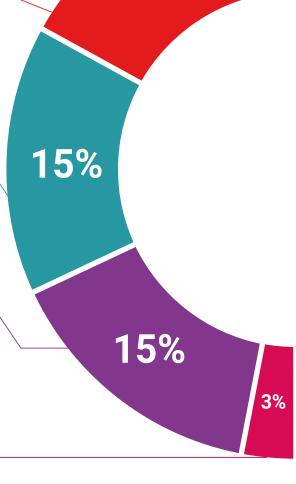
TECH brings students closer to the latest techniques, the latest educational advances and to the forefront of current Physiotherapy techniques and procedures. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can 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 unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".





Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.

Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



Classes

There is scientific evidence on the usefulness of learning by observing experts.

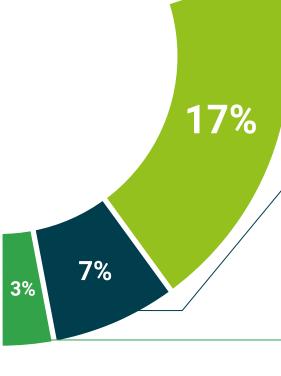
The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.





20%





tech 34 | Certificate

This **Postgraduate Diploma in Nutrition in Special Populations in Diet Therapy** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate 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 Nutrition in Special Populations in Diet Therapy 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.

health confidence people education information tutors guarantee accreditation teaching institutions technology learning



Postgraduate Diploma

Nutrition in Special Populations in Diet Therapy

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

