

# Postgraduate Certificate

## Collaborative Research





## Postgraduate Certificate Collaborative Research

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

Website: [www.techtitute.com/pk/nutrition/postgraduate-certificate/collaborative-research](http://www.techtitute.com/pk/nutrition/postgraduate-certificate/collaborative-research)

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# 01

# Introduction

Collaborative research lies in the process of data collection, consultation of information sources, interviews with experts and other execution techniques used by several entities for a joint project. The research processes seek to respond to a need of the sector and also to provide updates that allow progress in the scientific field, in this particular case, nutritional advances. It is for this reason that the demand for nutritionists for the research sector is increasing, since they are the main sources of information for the different parts of the project, being private companies, government organizations or non-profit foundations seeking answers to questions in the nutritional field. Faced with this urgency, TECH has designed this program that seeks to provide the professional with the most updated information for the benefit of nutritional projects from collaborative research. of nutritional projects from collaborative research.



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*A program for you to identify project stakeholders, collaborate with the best in the industry and make significant advances in the field of nutrition”*

The most significant scientific advances in recent years have belonged to collaborative groups whose research processes have provided answers to many of the doubts generated in the nutritional field. However, these entities have highly trained professionals for the execution of various tasks, such as data collection, the search for information in reliable sources, experimental processes and the compilation of previous postulates.

To this extent, it is evident that the demand for professionals in the research sector is high, which is why they have to update their knowledge of the latest techniques and methods in the field. This Postgraduate Certificate aimed at nutritionists who want to use their knowledge to provide solutions and contribute information to projects of great scientific relevance, which seek to provide solutions to problems of malnutrition and other problems related to nutrition.

Thus, the nutritionist will delve into issues such as the formation of multidisciplinary teams in the field of Collaborative Research or the creation of knowledge networks to promote joint projects. All this with an adequate theoretical and practical approach so that the nutritionist can effectively take to their own field of work, all the knowledge and competencies acquired.

This is a 100% online program, which will allow the professional to accommodate their academic schedules so that they can carry out their routines and issues related to their work and private life. Nourished with audiovisual material, complementary readings and practical exercises, this degree aims to be one of the best in the nutritional sector, providing the professional with the most updated information together with diverse techniques that will allow them to intervene in investigative processes.

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

- ♦ Development of case studies presented by experts in Medical Research
- ♦ 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 work
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*This Postgraduate Certificate is a compendium of knowledge that seeks to provide you with the most relevant information in the collaborative nutrition sector. What are you waiting for to enroll?"*

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*A program of great importance for the nutritional sector that will allow you to be part of one of the most committed entities to food research"*

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 provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

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

*A unique opportunity to catch up with the most updated techniques and methods in the research sector.*

*You will be able to access the virtual campus at any time of the day to consult the study material, you will only need a device with internet connection.*

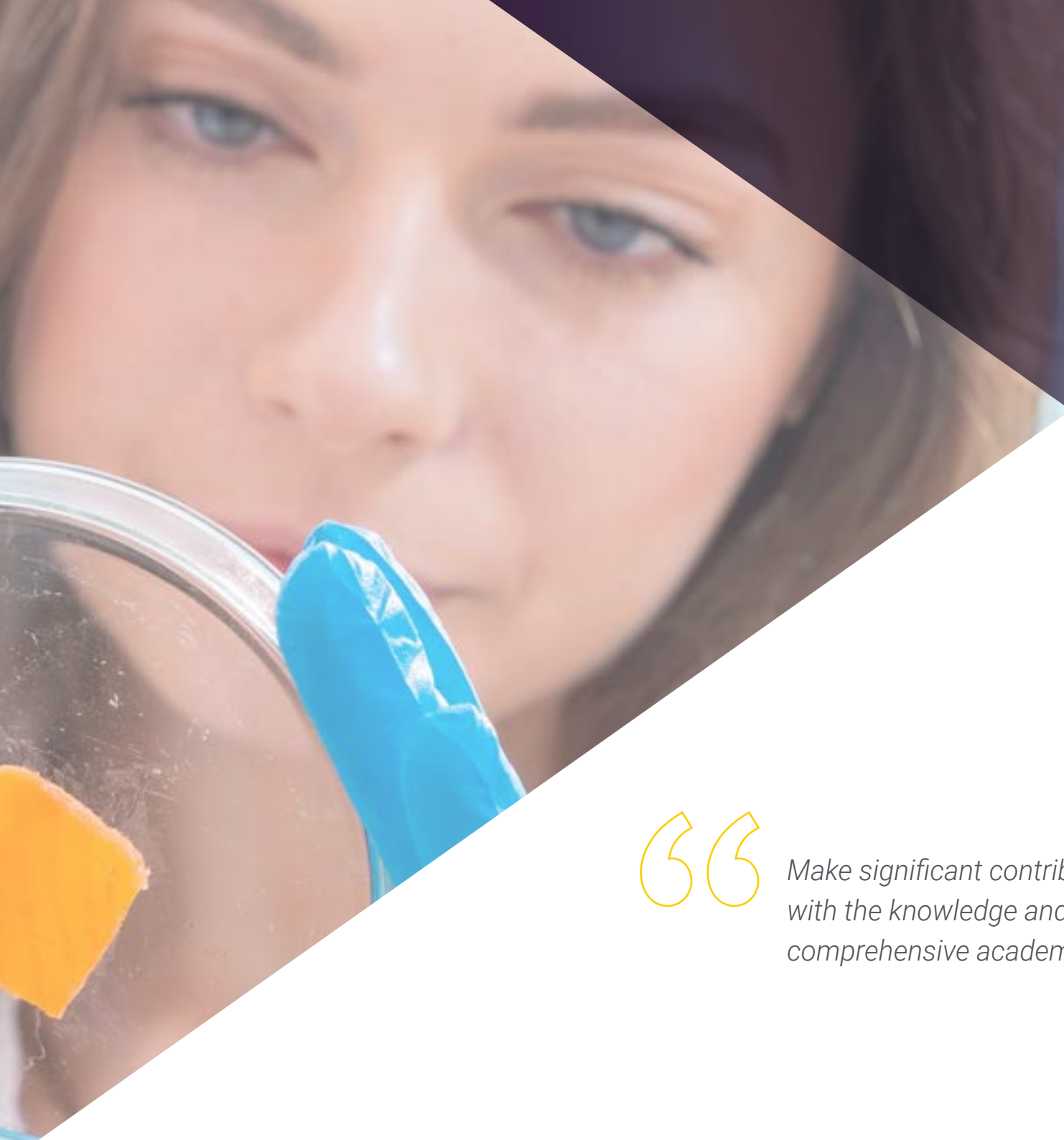


# 02 Objectives

The main objective of TECH for this Postgraduate Certificate is to provide the nutrition professional with the main research tools to be part of a major project. In this way, the professional will contribute from different techniques and methodologies their knowledge for the development of a specific research, always from a multidisciplinary and collaborative point of view. In order to enhance the nutritionist's skills the nutritionist, TECH has selected a conglomerate of relevant topics for the development of the program.







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*Make significant contributions to the nutrition sector with the knowledge and techniques acquired in this comprehensive academic program”*



## General Objectives

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- Understand the appropriate approach to a question or problem to be solved
- Assess the state of the art of the problem through literature search
- Assess the feasibility of the potential project
- Study the drafting of a project in accordance with the different calls for proposals
- Examine the search for funding
- Master the necessary data analysis tools
- Write scientific articles (*papers*) for the daily magazines
- Generate *posters* relevant to the units covered
- Know the tools for dissemination to the non-specialized public
- Delve into data protection
- Understand the transfer of knowledge generated to industry or the clinic
- Examine the current use of artificial intelligence and massive data analysis
- Study examples of successful projects





## Specific Objectives

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- ◆ Learn how to create working groups
- ◆ Create new biomedical research spaces
- ◆ Master the new spaces for health research

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*Perfect and enhance your skills in this program in Collaborative Research, where you will acquire the scientific techniques to collaborate in major nutritional projects”*

03

# Course Management

As part of its commitment to academic excellence, TECH has selected for this occasion a first class teaching staff, active professionals with extensive experience in the research sector. In addition to being specialists, they are characterized by a great human warmth, which allows them to establish a better relationship with students to answer questions and concerns that arise during the development of the Postgraduate Certificate.



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*Highly qualified teachers who will guide you through this academic program so that you can improve and enhance your research capabilities"*

## Management



### Dr. LópezCollazo, Eduardo

- ♦ Scientific Deputy Director in the Institute for Health Research the Health Research Institute of La Paz University Hospital
- ♦ Head of the Department of Immune Response and Infectious Diseases at IdiPAZ
- ♦ Head of the Department of Immune Response, Tumors and Immunology at IdiPAZ
- ♦ President of the IdiPAZ Research Commission.
- ♦ Sponsor of the External Scientific Committee of the Murcian Institute of Health Research.
- ♦ Member of the Scientific Commission of FIDE
- ♦ Editor of the international scientific journal *Mediators of Inflammation*
- ♦ Editor of the international scientific journal "Frontiers of Immunology
- ♦ Coordinator of IdiPAZ Platforms
- ♦ Coordinator of Health Research Funds in the areas of Cancer, Infectious Diseases and HIV.
- ♦ PhD in Nuclear Physics, University of La Habana
- ♦ Doctorate in Pharmacy from the Complutense University of Madrid.



## Professors

### Dr. Gómez Campelo, Paloma

- Researcher at the Instituto de Investigación Sanitaria, Hospital Universitario La Paz
- Deputy Technical Director of the Health Research Institute of La Paz University Hospital
- Director of the Biobank of the Health Research Institute of the University Hospital La Paz.
- Collaborating Teacher of the Polytechnic University of Catalonia
- Doctorate in Psychology the Complutense University of Madrid.
- Degree in Psychology from the Complutense University Madrid



*Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"*

# 04

# Structure and Content

The content of this Postgraduate Certificate has been designed by TECH together with its teaching staff. It is a program full of updated information, scientific postulates and relevant articles from important journals worldwide. In addition, it has topics of interest that will allow to delve into the latest and most recent techniques in the sector, as well as methods that provide support and bases for the research process. All this can be downloaded by the student to review it when needed and to emphasize each topic to be handled.





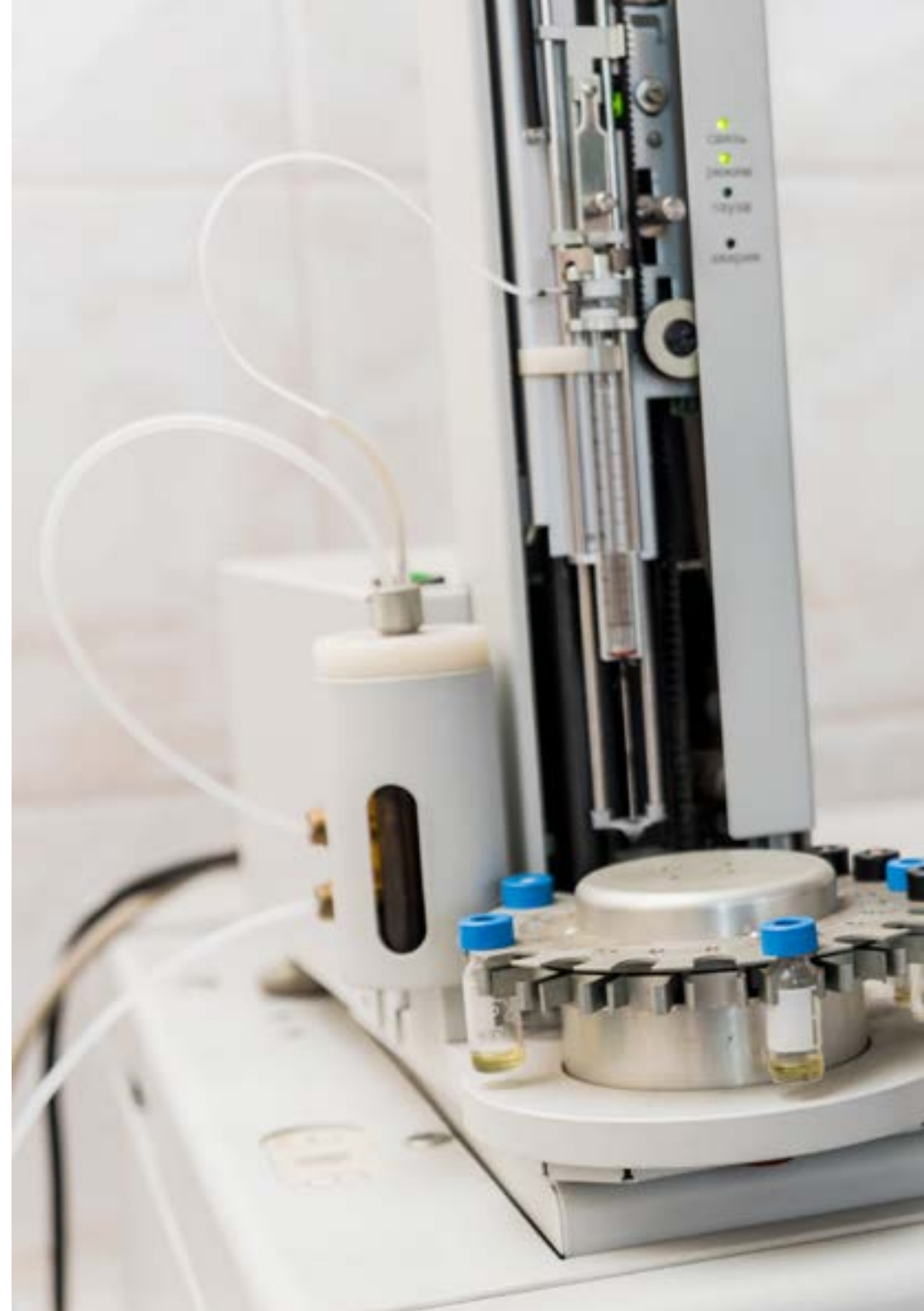


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*You will delve into the latest developments in the nutritional sector and its information regarding collaborative research”*

**Module 1.** Generation of Working Groups: Collaborative Research

- 1.1. Definition of Working Groups
- 1.2. Formation of Multidisciplinary Teams
- 1.3. Optimal Distribution of Responsibilities
- 1.4. Leadership.
- 1.5. Control of Activities Achievement
- 1.6. Hospital Research Teams
  - 1.6.1. Clinical Research
  - 1.6.2. Basic Research.
  - 1.6.3. Translational Research
- 1.7. Creation of Collaborative Networks for Health Research
- 1.8. New Spaces for Health Research
  - 1.8.1. Thematic Networks
- 1.9. Networked Biomedical Research Centers
- 1.10. Biobanks of Samples: International Collaborative Research





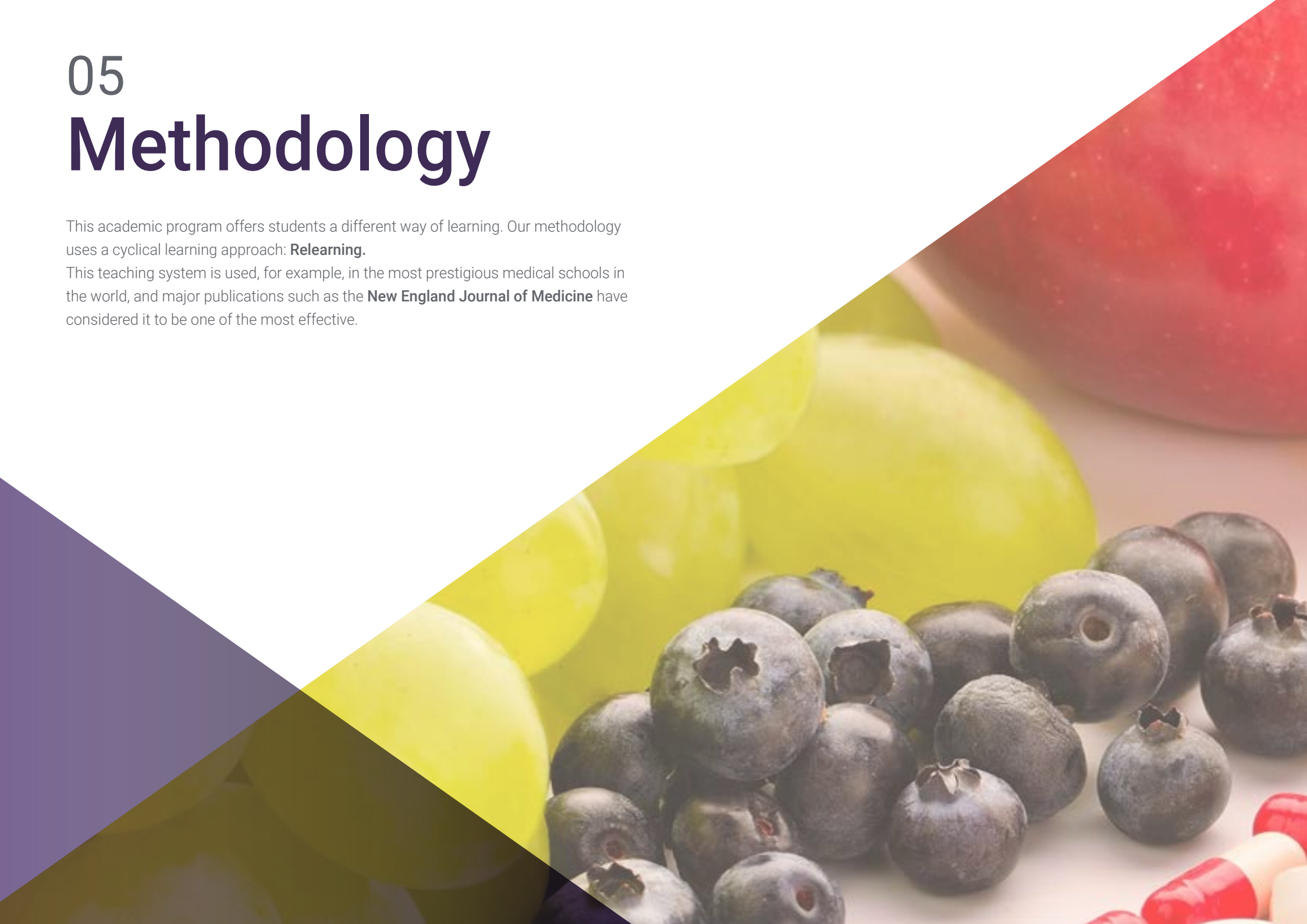
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*A Postgraduate Certificate designed with a multitude of video summaries, supplementary readings, in-depth videos and more high quality multimedia material"*

# 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

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. Specialists learn better, faster, and more sustainably over time.

*With TECH, nutritionists can 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 nutritional 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. Nutritionists who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity through exercises to evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the nutritionist 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.

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 nutritionist 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).

With this methodology, more than 45,000 nutritionists have been trained with unprecedented success in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*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 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 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.



#### Nutrition Techniques and Procedures on Video

TECH brings students closer to the latest techniques, the latest educational advances and to the forefront of current nutritional counselling 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 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 Collaborative Research guarantees students, in addition to the most rigorous and up-to-date education, access to a qualification 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 Collaborative Research** 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 Certificate** diploma issued by **TECH Technological University** via tracked delivery\*.

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

Program: **Postgraduate Certificate in Collaborative Research**

Official N° of Hours: **150 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 quality

online training

development languages

virtual classroom

**tech** technological  
university

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Collaborative Research

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- » Dedicated 16h/week
- » Schedule: at your own pace
- » Exams: online

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