

Postgraduate Certificate Nutrition and Pathologies in Childhood





Postgraduate Certificate Nutrition and Pathologies in Childhood

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/in/nutrition/postgraduate-certificate/nutrition-pathologies-childhood

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01

Introduction

This training brings together the most advanced and in-depth knowledge in Nutrition and Childhood Pathologies, and has a group of professors of high scientific rigor and extensive international experience that provides you with the most complete and up-to-date information on the latest advances in the sector.



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Expand your knowledge through the Postgraduate Certificate in Nutrition and Pathologies in Childhood, in a practical way and adapted to your needs”

Food influences both physical and intellectual growth, hence the importance of a healthy and balanced diet. Food plays an important role in childhood, preventing possible illnesses later on in life during adulthood.

This program offers the student the possibility of deepening and updating knowledge, using the latest educational technology. It offers a global vision of Nutrition and Pathologies in Childhood while focusing on the most important and innovative aspects of pediatric nutrition and dietetics.

This program provides specialization in the field of Nutrition and Pathologies in Childhood in areas of particular interest such as:

- ♦ Child Nutrition at Home
- ♦ Nutritional Supplements
- ♦ Probiotics and Prebiotics in Infant Feeding

One of TECH's social commitments is to help highly qualified professionals specialize and develop their personal, social and work skills during the course of their studies.

We will not only take you through the theoretical knowledge we offer, but we will introduce you to another way of studying and learning, one which is simpler, more organic, and efficient. We will work to keep you motivated and to create in you a passion for learning. And we will push you to think and develop critical thinking.

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

- ♦ Clinical cases presented by experts in nutrition. The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice.
- ♦ The latest diagnostic and therapeutic information on how to approach nutrition.
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ♦ Special emphasis on test-based medicine and research methodologies in Clinical Nutrition.
- ♦ All of 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



This course is methodologically designed for distance learning in order to guarantee optimal support"

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This Postgraduate Certificate may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge in Nutrition and Pathologies in Childhood, you will obtain a Postgraduate Certificate qualification from TECH Technological University"

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

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 an immersive training program to train in real situations.

Problem-Based Learning underpins this program design, and the educator must use it to try and solve the different professional practice situations that arise throughout the Postgraduate Certificate course. For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of radiology with extensive teaching experience.

The Postgraduate Certificate allows training in simulated environments, which provide immersive learning programmed to train in real situations.

This refresher program will provide you with a sense of confidence in your daily work, which will help you grow both personally and professionally.



02

Objectives

The program's primary objective is focused on theoretical and practical learning, so that the nutritionist is able to master Nutrition and Pathologies in Childhood in both a practical and rigorous manner.



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



General Objectives

- Update the nutritionist's knowledge on new trends in human nutrition, in both health and pathological situations.
- Promote work strategies based on the practical knowledge of the new trends in nutrition and its application to adult pathologies, where nutrition plays a fundamental role in treatment.
- Encourage the acquisition of technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online simulation workshops and/or specific training.
- Encourage professional stimulation through continuous education and research.
- Train the professional for research into patients with nutritional problems.





Specific Objectives

- ♦ Identify children at nutritional risk who are eligible for specific support.
- ♦ Evaluate and monitor the supervision of children on nutritional support
- ♦ Explain the new developments and available evidence on probiotics and prebiotics in nutrition.
- ♦ Explain the nutritional requirements of an ill patient.
- ♦ Define the indication for the type of nutrition needed according to the person and their needs.



Make the most of the opportunity and take the step to get up-to-date on the latest developments in Nutrition and Pathologies in Childhood"

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 the best professionals and become a successful professional yourself”

International Guest Director

Dr. Sumantra Ray is an internationally recognized specialist in **Nutrition** and his main areas of interest are **Nutrition Education in Health Systems** and **Cardiovascular Disease Prevention**. With his outstanding experience in this health field, he has served as a consultant on special assignment for the **Nutrition Management** of the **World Health Organization** Headquarters in Geneva. He has also worked as **Director of Research** in Food Security, Health and Society in the Faculty of Humanities and Social Sciences at the University of Cambridge.

For his constant commitment to the dissemination of **healthy eating habits**, he has received the **Josephine Lansdell Award** from the British Medical Association. Specifically, this recognition highlighted his contributions related to nutrition and **Cardiovascular Prevention**. Also, as an international expert, he has participated in a work program on **Food, Nutrition and Education** in India, led by the University of Cambridge and funded by the UK Global Challenges Research Fund.

Dr. Sumantra Ray's studies are worldwide references, focusing on **global food security**, as it is a fundamental aspect for the development of societies. In addition, he has demonstrated his leadership skills as a **Senior Clinical Scientist** at the **Medical Research Council**, focusing on **Nutrition** and **Vascular Health** studies. In this position, he directed an experimental medicine facility dedicated to Human **Nutrition** studies.

Throughout his career he has authored more than **200 scientific publications** and has written the **Oxford Handbook of Clinical and Health Research**, aimed at strengthening the basic research skills of health care workers around the world. In this sense, he has shared his scientific findings in numerous presentations and congresses, in which he has participated in different countries.



Dr. Ray, Sumantra

- ♦ Executive Director and Founder, NNEdPro Global Nutrition and Health Centre, Cambridge, UK
- ♦ Director of Research in Food Security, Health and Society in the Faculty of Humanities and Social Sciences, University of Cambridge
- ♦ Co-Founder and President of the BMJ Scientific Journal Nutrition, Prevention and Health
- ♦ Presidential Advisor at the School of Advanced Studies on Food and Nutrition, University of Parma
- ♦ Vice President of the Conference of Medical Academic Representatives of the BMA
- ♦ Consultant on special assignment for the Nutrition Directorate of the World Health Organization Headquarters in Geneva
- ♦ Honorary International Dean of the Cordia Colleges in India
- ♦ Senior Clinical Scientist with the Medical Research Council
- ♦ Bachelor's Degree in Medicine

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

Management



Ms. Aunió Lavarías, María Eugenia

- ♦ Pharmacist and Clinical Nutrition Expert
- ♦ "Author of the reference book in the field of Clinical Nutrition "Dietetic Management of Overweight in the Pharmacy Office". (Panamerican Medical Publishing House)
- ♦ Pharmacist with extensive experience in the public and private sector
- ♦ Pharmacist in Valencia Pharmacy
- ♦ Pharmacy Assistant in the British pharmacy and health and beauty retail chain Boots, UK
- ♦ Degree in Pharmacy and Food Science and Technology. University of Valencia
- ♦ Director of the University Course "Dermocosmetics in the Pharmacy Office"



| Patient Information | | Vital Signs | | Laboratory Values | | Medications | | Vaccinations | |
|---------------------|-----|-------------|----|-------------------|------|-------------|---------|--------------|------|
| Name | Age | Temp | HR | WBC | Hb | Insulin | Aspirin | MMR | Tdap |
| John Doe | 45 | 37.5 | 72 | 12,000 | 14.5 | 10 units | 81mg | Yes | Yes |
| Jane Smith | 32 | 38.0 | 88 | 15,000 | 16.0 | 20 units | 162mg | No | No |
| Robert Johnson | 68 | 36.8 | 65 | 10,000 | 13.0 | 5 units | 40mg | Yes | Yes |
| Emily White | 28 | 37.2 | 75 | 11,000 | 15.0 | 15 units | 75mg | Yes | Yes |
| Michael Brown | 55 | 37.8 | 78 | 13,500 | 14.0 | 12 units | 90mg | No | No |
| Sarah Green | 41 | 37.0 | 70 | 11,500 | 14.5 | 10 units | 81mg | Yes | Yes |
| David Lee | 38 | 37.5 | 73 | 12,500 | 14.8 | 10 units | 81mg | Yes | Yes |
| Amanda King | 25 | 37.0 | 70 | 11,000 | 15.0 | 10 units | 81mg | Yes | Yes |
| Christopher Hall | 62 | 37.2 | 68 | 10,500 | 13.5 | 5 units | 40mg | Yes | Yes |
| Olivia Young | 35 | 37.5 | 75 | 12,000 | 14.5 | 10 units | 81mg | Yes | Yes |

04

Structure and Content

The structure of the contents has been designed by a team of professionals who recognise the implications of training in the daily practice of pediatricians in the field of nutrition, are aware of the relevance of current training to treat the pediatric patient, and are committed to quality teaching using new educational technologies.





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This Postgraduate Certificate in Nutrition and Pathologies in Childhood contains the most complete and up-to-date scientific program on the market”

Module 1. Childhood Nutrition and Pathologies

- 1.1. Nutrition of Children with Oral Pathologies
- 1.2. Nutrition in Acute Diarrhea Situation
- 1.3. Nutrition of Infants and Children with Gastroesophageal Reflux
- 1.4. Nutrition in Children with Celiac Disease
- 1.5. Nutrition in Children with Inflammatory Bowel Disease
- 1.6. Nutrition in Children with Digestive Malabsorption Syndrome
- 1.7. Nutrition in Children with Constipation
- 1.8. Nutrition in Children with Liver Disease
- 1.9. Feeding Difficulties and Disorders in Children
 - 1.9.1. Physiological Aspects
 - 1.9.2. Psychological Aspects
- 1.10. Eating Disorders
 - 1.10.1. Anorexia
 - 1.10.2. Bulimia
 - 1.10.3. Others
- 1.11. Innate Problems With Metabolism
- 1.12. Principles for Dietary Treatment
- 1.13. Nutrition in Dyslipidemias
- 1.14. Nutrition in Diabetic Children
- 1.15. Nutrition in Autistic Children
- 1.16. Nutrition in Children with Cancer
- 1.17. Nutrition in Children with Chronic Pulmonary Pathology
- 1.18. Nutrition in Children with Nephropathy
- 1.19. Nutrition in Children with Food Allergies and/or Intolerances
- 1.20. Childhood and Bone Pathology Nutrition





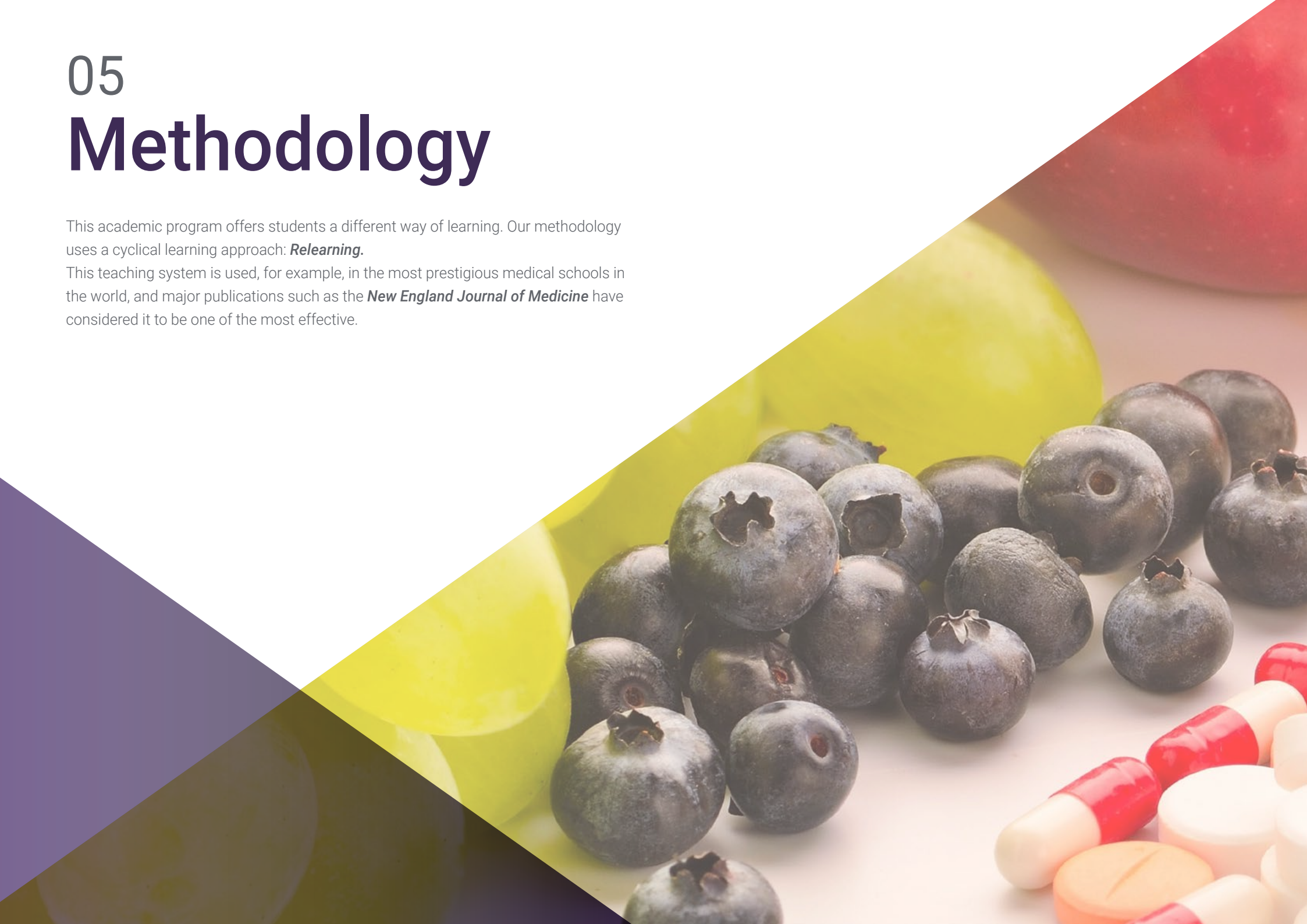
“

A unique, key, and decisive training 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

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.

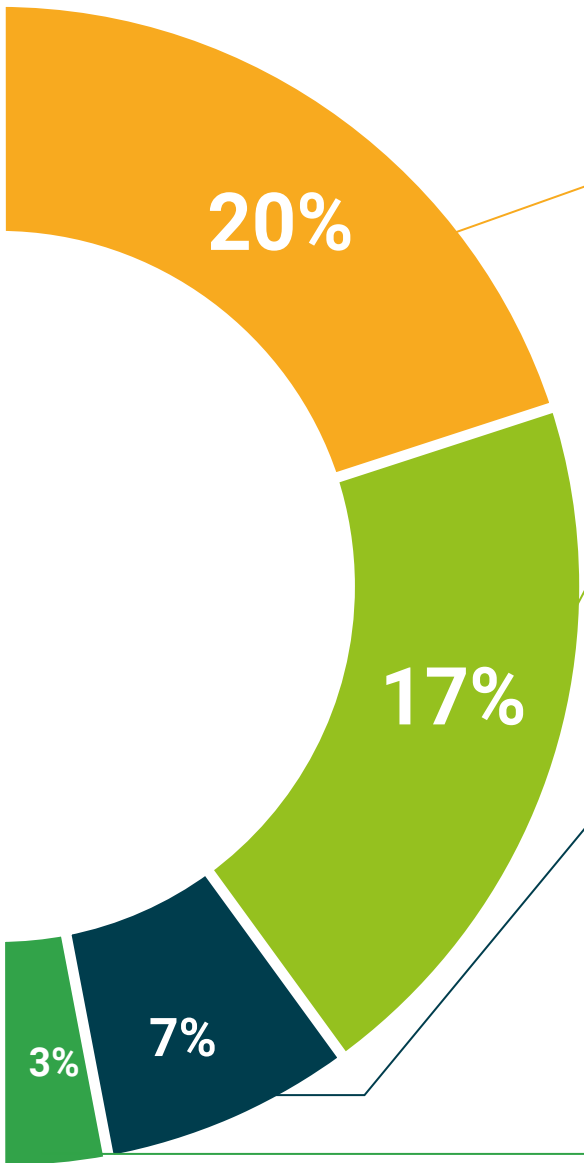
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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 Nutrition and Pathologies in Childhood guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by TECH Technological University.





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Add a course in Nutrition and Pathologies in Childhood to your CV and become a highly competitive professional”

This **Postgraduate Certificate in Nutrition and Disease** 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** 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 Nutrition and Pathologies in Childhood**

Modality: **online**

Duration: **6 weeks**



*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 information
knowledge present quality
development languages
virtual classroom



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