

# Postgraduate Certificate

Nursing Approach to Nutrition  
and Post-Surgical Care of the  
Oncology Patient





## Postgraduate Certificate Nursing Approach to Nutrition and Post-Surgical Care of the Oncology Patient

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

Website: [www.techtute.com/us/nursing/postgraduate-certificate/nursing-approach-nutrition-post-surgical-care-oncology-patient](http://www.techtute.com/us/nursing/postgraduate-certificate/nursing-approach-nutrition-post-surgical-care-oncology-patient)

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# 01

# Introduction

Nutrition has become one of the most important allies in the health care of patients suffering from oncological diseases. An importance that is equally relevant in the field of post-surgical care in these patients. We offer you the possibility of acquiring the most complete knowledge in this field, with the quality of a high level training. This course aims to train the professional through a complete, global and practical learning.





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*A complete training that will help you to know the main tools to provide post-surgical care to oncological patients”*



Malnutrition is a frequent problem that causes a large number of complications in cancer patients, reducing their quality of life and worsening their general condition. It is essential to know the causes and factors involved and to detect early the clinical manifestations presented by these patients in order to provide adequate nutritional care and support.

In this postgraduate certificate, the student will learn to perform a comprehensive assessment of the nutritional status and, based on it, develop precise interventions adapted to the patient's situation. Sometimes, the development of the oncological process makes it necessary to resort to artificial nutrition. During the training, the nursing professional will acquire skills to adequately manage the different types of enteral and parenteral nutrition. In addition, the patient will learn in detail about its indications and main complications.

Likewise, in the final stage of life, the terminally ill patient will also require a comprehensive and adapted nutritional assessment. In this context, the professional will learn to identify their needs and implement the necessary interventions, which must be agreed and follow ethical principles.

Finally, the nurse will learn about the care required by oncology patients undergoing surgery. The management of lymphedema as a complication of breast surgery, the care of the ostomized patient and respiratory physiotherapy after thoracic surgeries will be treated in an integral way, providing the student with transversal skills that will allow them to provide specialized care based on the latest evidence.

The updated contents of this Postgraduate Certificate and its integrative approach will give rise to a complete vision of all aspects related to oncology nursing. The contents will provide a journey through the diverse needs of cancer patients, whose particularities require personalized attention.

Both the design of the program and the didactic material used will facilitate the understanding of concepts, and the realization of practical cases will help to adapt what has been learned to clinical practice. In this way, the Postgraduate Certificate will provide an immersive learning to achieve the training of the professional in real situations of their usual professional practice.

This **Postgraduate Certificate in Nursing Approach in Nutrition and Post-surgical Care of the Oncological Patient** has the most complete and updated educational program in the market. The most important features of the program include:

- ♦ The development of case studies presented by experts in Oncology Nursing.
- ♦ The graphic, schematic, and eminently practical contents with which they are conceived provide scientific and practical training in those disciplines that are essential for professional practice.
- ♦ New developments in the nursing approach to nutrition and post-surgical care of the oncology patient
- ♦ Practical exercises where self-assessment can be used to improve learning.
- ♦ Its special emphasis on innovative methodologies in the nursing approach to nutrition and post-surgical care of the oncology patient.
- ♦ 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



*Don't miss the opportunity to study at the largest private online university in the Spanish-speaking world"*

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*This Postgraduate Certificate is the best investment you can make in selecting a refresher program to update your knowledge in oncology nursing”*

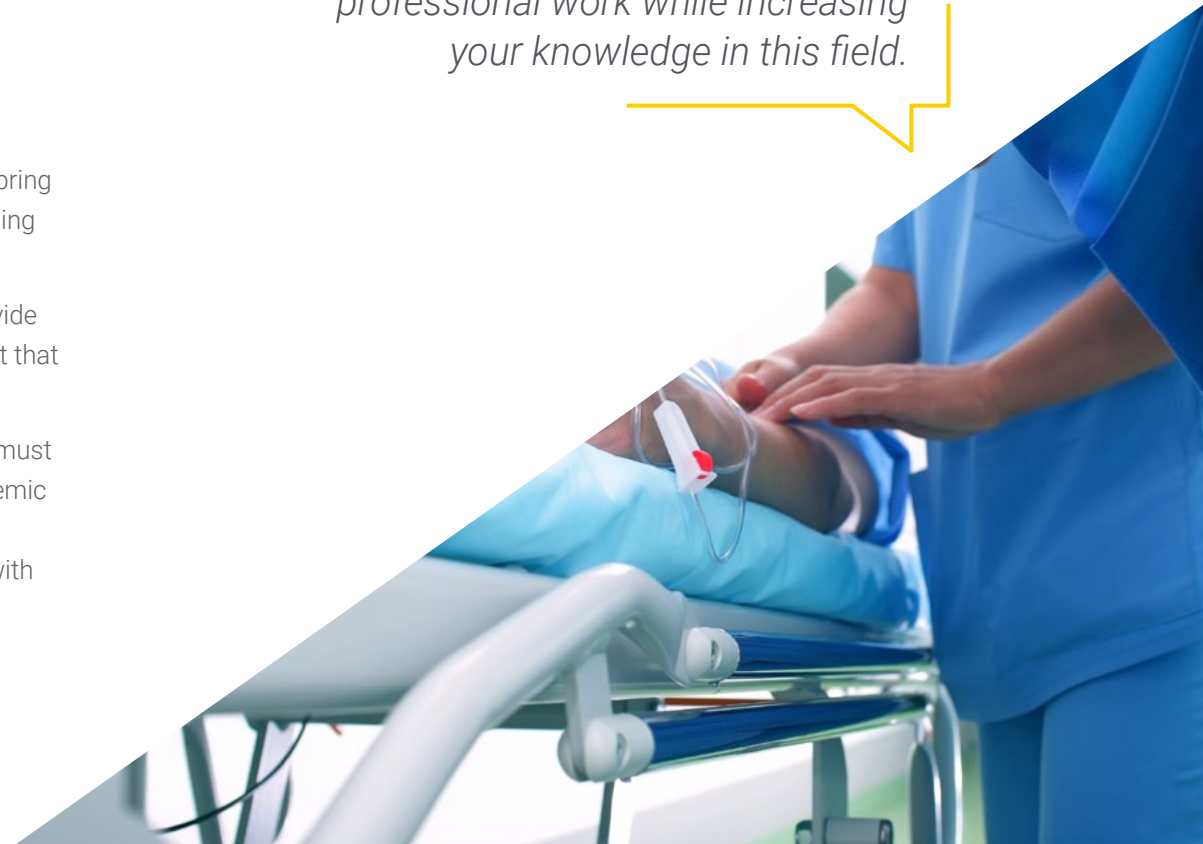
*This training comes with the best didactic material, providing you with a contextual approach that will facilitate your learning.*

*This 100% online course will allow you to combine your studies with your professional work while increasing your knowledge in this field.*

The teaching staff includes professionals from the field of Oncology Nursing, who bring their experience to this training 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 training programmed to train in real situations.

This program is designed around Problem Based Learning, whereby the specialist must try to solve the different professional practice situations that arise during the academic year. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts in Oncology Nursing with extensive experience.



# 02 Objectives

The Postgraduate Certificate in Nursing Approach in Nutrition and Post-surgical Care of the Oncological Patient is oriented to train health professionals in their daily work during the care of patients with cancer, following the highest quality standards in the performance of their work.







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*Our goal is to help you succeed  
in your career”*



## General Objectives

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- ♦ Update the professional's knowledge, facilitating the acquisition of advanced competencies that enable them to provide specialized care to the complex oncologic patient.
- ♦ Incorporate the theoretical and pathophysiological foundations in nursing practice, assuming the particularities of the pediatric, adult, and elderly patient.
- ♦ Define the specific competencies of the nurse in the oncology setting to increase effectiveness and efficiency in the organization and acquire coordination and management skills of the nursing team.
- ♦ Design patient and family care plans integrating knowledge, attitudes and skills acquired during training.
- ♦ Apply the theoretical knowledge acquired in relation to the oncology patient and the management and administration of treatment, ensuring patient safety at all times.
- ♦ Deepen the development of interpersonal relationships between the professional and the patient-family, as well as with the rest of the members of the multidisciplinary team.
- ♦ Integrate emotional management strategies in the different stages of the disease process, incorporating the psychosocial and spiritual approach in the care and assuming death as a natural process in the terminal patient.
- ♦ Acquire the necessary training to act with autonomy and provide the best care based on scientific evidence.
- ♦ Implement research in routine nursing practice as a basis for professional development and effective and efficient management of complex cases.





## Specific Objectives

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- ◆ Deepen in the relationship between nutrition and cancer
- ◆ Determine the pathophysiological basis of oncologic malnutrition and its causes.
- ◆ Acquire the necessary knowledge to assess the nutritional status of the oncologic patient and prevent possible complications
- ◆ Identify the nutritional needs of the oncology patient and their approach.
- ◆ Develop skills to perform a nutritional and pharmacological therapeutic approach in cases of altered intake
- ◆ Update the aspects related to the indications, access routes and complications of artificial nutrition (enteral and parenteral)
- ◆ Assess the nutritional needs of terminal patients and address them from an ethical perspective
- ◆ Describe the postsurgical care of the most frequent types of cancer
- ◆ Put into practice the techniques and nursing care in pulmonary rehabilitation and respiratory physiotherapy
- ◆ Recognize the different types of ostomies and their characteristics to provide quality care to the ostomized patient
- ◆ Demonstrate competence in the correct management of lymphedema as a complication of breast surgery



03

# Course Management

The program's teaching staff includes leading experts in Oncology Nursing who contribute their vast work experience to this training program. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.



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*We have an excellent team of professionals who have come together to teach you the latest advances in Oncology Nursing”*



## Management



### Ms. Morán López, Marina

- ♦ From DUE - Currently working at HUIE, in medical oncology, general and digestive surgery and traumatology services, since December 2007.
- ♦ Valdemoro Medical Center, from 16/07/07 to 9/12/07. - Maguilar Residence, from 1/03/07 to 15/07/07.
- ♦ University Hospital La Paz, in various contracts from 4/07/06 to 22/01/30/01/07, in various services: children's surgery, neonates, outpatient clinics, children's traumatology.
- ♦ Nursing Assistant: - At the University Hospital La Paz: from 1/07/05 to 30/09/05 and from 16/01/06 to 27/02 /06
- ♦ At Lafora Psychiatric Hospital: from 12/17/05 to 01/15/06 - At the Gregorio Marañón University Hospital: from 03/28/06 to 05/08/06
- ♦ Triana Residence: from 12/01/03 to 19/10/03 - Geriasa Residence: from 5/10/02 to 15/12/02 - Medinacelli Residence: from 1/07/02 to 31/07/02

A close-up photograph of various medical components used for enteral nutrition, including purple plastic connectors, a syringe, and a tube, all resting on a reflective surface. The components are arranged in a way that suggests they are part of a larger system for delivering nutrition to a patient.

# Enteral Nutrition

# 04

# Structure and Content

The structure of the contents has been designed by the best professionals in the field of Oncology Nursing, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed and studied, and with extensive knowledge of new technologies applied to healthcare.



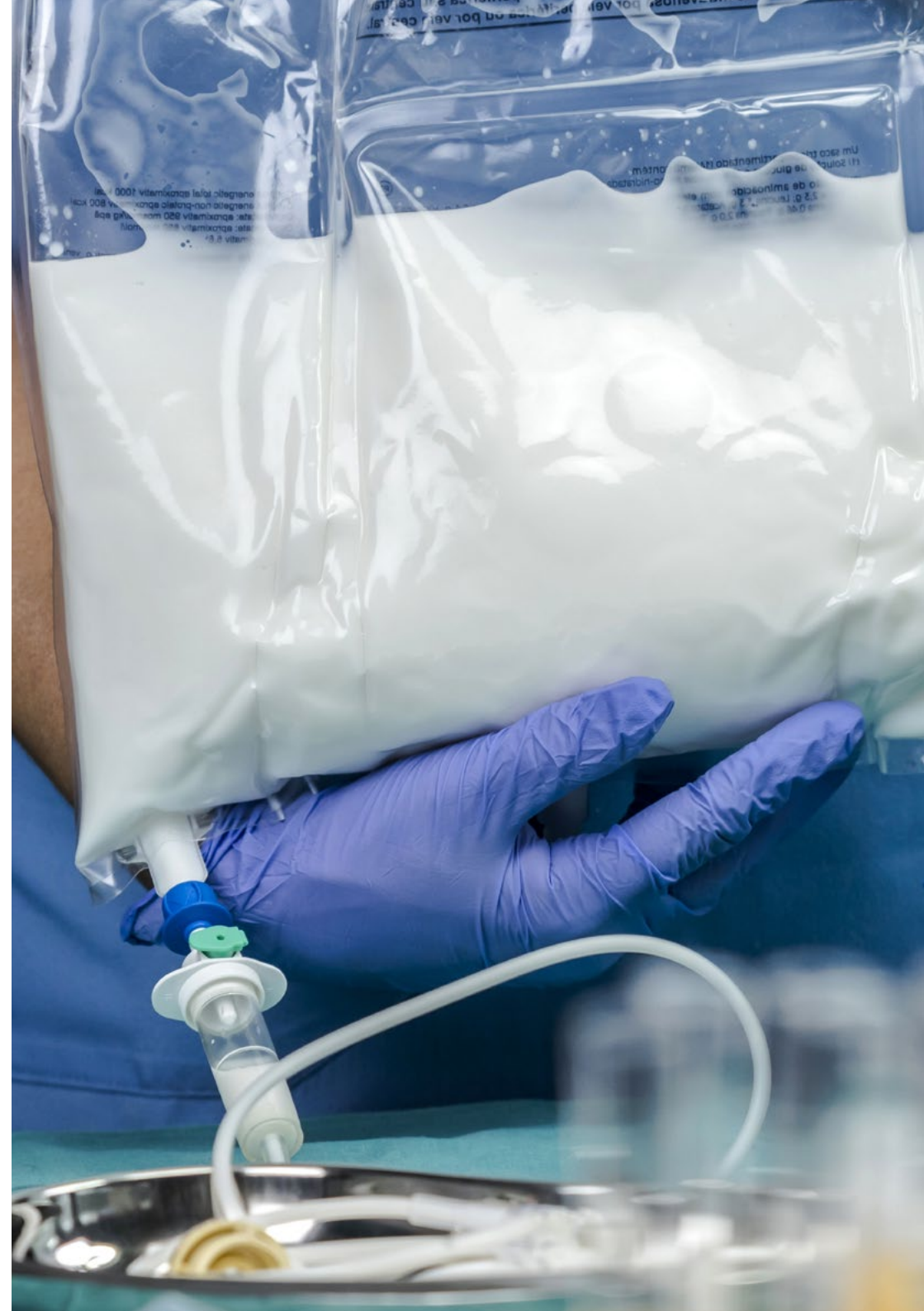
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*We have the most complete and updated scientific program on the market. We strive for excellence and for you to achieve it too"*



## Module 1. Nursing Approach to Nutrition and Post-Surgical Care of the Oncology Patient

- 1.1. Nutrition in Cancer Prevention
  - 1.1.1. Dietary Carcinogenesis
  - 1.1.2. Food and Nutrients
  - 1.1.3. Risk Factors and Protective Elements
  - 1.1.4. Lifestyle
- 1.2. General Principles of Malnutrition in Oncology Patients
  - 1.2.1. Epidemiology of Malnutrition
  - 1.2.2. Pathophysiology.
  - 1.2.3. Types of Malnutrition
  - 1.2.4. Causes of Malnutrition in Oncology Patients
    - 1.2.4.1. Tumor-Related
    - 1.2.4.2. Patient-Related
    - 1.2.4.3. Treatment-Related
  - 1.2.5. Clinical Manifestations of Malnutrition
    - 1.2.5.1. Tumor Cachexia
    - 1.2.5.2. Sarcopenia
- 1.3. Assessment of Nutritional Status
  - 1.3.1. Clinical Record and Subjective Nutritional Assessment
  - 1.3.2. Screening Tests
    - 1.3.2.1. Malnutrition Screening Tool
    - 1.3.2.2. Patient-Generated Subjective Global Assessment
  - 1.3.3. Anthropometric Measurements
  - 1.3.4. Biochemical Measurements
- 1.4. Nutritional and Pharmacological Approach
  - 1.4.1. General Recommendations





- 1.4.2. Recommendations in Altered Intake Situations
  - 1.4.2.1. Anorexia
  - 1.4.2.2. Nausea and Vomiting
  - 1.4.2.3. Dysphagia
  - 1.4.2.4. Dysgeusia.
  - 1.4.2.5. Oral Mucositis
  - 1.4.2.6. Xerostomia
  - 1.4.2.7. Dysphagia to Liquids and Solids
- 1.4.3. Nutritional Supplements
- 1.4.4. Pharmacotherapy
- 1.5. Enteral Nutrition
  - 1.5.1. Indications
  - 1.5.2. Access Routes
  - 1.5.3. Enteral Nutrition Formulas
  - 1.5.4. Complications
- 1.6. Parenteral Nutrition
  - 1.6.1. Indications
  - 1.6.2. Access Routes
  - 1.6.3. Types of Parenteral Nutrition
  - 1.6.4. Nutritional Requirements
  - 1.6.5. Complications
- 1.7. End-Of-Life Nutrition
  - 1.7.1. Nutritional Intervention
  - 1.7.2. Assisted Nutrition and Hydration
  - 1.7.3. Ethical, Cultural and Religious Aspects
- 1.8. Post-Surgical Care After Thoracic Surgery
  - 1.8.1. Pulmonary Rehabilitation
  - 1.8.2. Respiratory Physiotherapy
- 1.9. Care of Ostomized Patients
  - 1.9.1. General Concepts

- 1.9.2. Ostomies Classification
  - 1.9.2.1. Digestive Ostomies
    - 1.9.2.1.1. Digestive Ostomy Types
    - 1.9.2.1.2. Hygiene and Care
    - 1.9.2.1.3. Diet
    - 1.9.2.1.4. Psychological Aspects
    - 1.9.2.1.5. Complications
  - 1.9.2.2. Urinary Ostomies
    - 1.9.2.2.1. Types of Urinary Ostomy
    - 1.9.2.2.2. Hygiene and Care
  - 1.9.2.3. Respiratory Ostomies
    - 1.9.2.3.1. Types of Respiratory Ostomy
    - 1.9.2.3.2. Hygiene and Care
- 1.10. Post-Surgical Care After Breast Tumor Surgery
  - 1.10.1. Breast Cancer Surgery
    - 1.10.1.1. Psychological Impact
  - 1.10.2. Lymphedema
    - 1.10.2.1. Classification
    - 1.10.2.2. Epidemiology
    - 1.10.2.3. Etiology
    - 1.10.2.4. Clinical Manifestations
    - 1.10.2.5. Diagnosis
    - 1.10.2.6. Nursing Care



*This training will allow you to advance in your career comfortably"*

# 05

# Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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 Re-learning, 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 Nursing School we use the Case Method

In a given clinical situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Nurses learn better, faster, and more sustainably over time.

*With TECH, nurses can experience a learning methodology 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, in an attempt to recreate the real conditions in professional nursing 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. Nurses 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 nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
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 university program.





## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

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 represent a real revolution with respect to simply studying and analyzing cases.



*The nurse 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 175,000 nurses with unprecedented success, in all specialties regardless of from the workload. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Re-learning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

In our program, learning is not a linear process, but rather a spiral (we 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.



In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



### Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current nursing procedures and techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



### Interactive Summaries

We present 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, international guides. in our virtual library you will have access to everything you need to complete your training.





### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



### Testing & Re-testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your 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 our future difficult decisions.



### Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.





06

# Certificate

Through a different and stimulating learning experience, you will be able to acquire the necessary skills to take a big step in your training. An opportunity to progress, with the support and monitoring of a modern and specialized university, which will propel you to another professional level.



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*Include in your training a Postgraduate Certificate in Nursing Approach to Nutrition and Post-Surgical Care of the Oncology Patient: A highly qualified added value for any professional in this area."*

This **Postgraduate Certificate in Nursing Approach to Nutrition and Post-Surgical Care of the Oncological Patient** has the most complete and updated 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 diploma 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 Nursing Approach to Nutrition and Post-Surgical Care of the Oncology Patient**  
Official Number of Hours: **150**



\*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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