

Postgraduate Diploma

Infectology Applied to Nursing





Postgraduate Diploma Infectology Applied to Nursing

Course Modality: **Online**

Duration: **6 months**

Accreditation: **TECH Technological University**

18 ECTS

Teaching Hours: **450 hours**

Website: www.techtute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-infectology-applied-nursing

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01

Introduction

The evolution in nursing procedures together with biotechnological advances make it essential for nursing professionals working with infectious patients in hospitalization units to keep their knowledge constantly updated in order to provide care based on the latest scientific evidence. This Postgraduate Diploma allows the professional to update their knowledge in a practical way.



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The quality of care for people in internal medicine and infectious patients admission units is conditioned by the updating of the knowledge of the professionals who care for them. Get up to date on the nursing procedures and care that the professional must perform on infectious patients in the internal medicine service of hospital centers”

Within a healthcare context, social evolution requires care centers to be more competitive and oriented to improving the care response given to the patient. The volume of these changes and the speed with which they occur create a need for qualified professionals, trained in the right skills and who are capable of responding to the new changes by providing expert care.

Infectology has a very broad and innovative field of action. With the introduction of new technologies in the detection of pathologies, their attention and the necessary care for each process, the nursing professional is a key element in the multidisciplinary approach in each and every one of its aspects.

The Postgraduate Diploma in Infectology Applied to Nursing is aimed at updating the nursing professional's knowledge, bringing theoretical knowledge closer to practical work. This is of vital importance the professional qualification in this area for all health professionals working within the Health System.

This **Postgraduate Diploma in Infectology Applied to Nursing** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ◆ Clinical cases presented by experts. 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.
- ◆ Diagnostic and therapeutic innovations in treating patients with infectious diseases.
- ◆ Presentation of practical workshops on diagnostic and therapeutic techniques most frequently performed in the internal medicine and infectious patients service.
- ◆ Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- ◆ 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.



Through this postgraduate diploma you will be able to update your knowledge in care for infectious patients, improve prognosis and reduce sequelae and complications"

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This course may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge on infectology, you will obtain a diploma from TECH Technological University”

Its teaching staff includes nursing professionals of reference, who contribute their work experience to this up to date program, in addition to other professionals specializing in the internal medicine service.

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 program to train in real situations.

The design of the program is based on Problem-Based Learning, by means of which the nursing professional must try to solve the different professional practice situations that arise throughout the program. All this is supported by an innovative interactive video system developed by recognized experts in nursing care in the internal medicine service and with extensive teaching experience.

This program offers training in simulated environments, which provides an immersive learning experience designed to train for real-life situations.

It includes clinical cases to bring the program's degree as close as possible to the reality of care in Nursing.



02

Objectives

The postgraduate diploma is geared towards a review of the main aspects of the management of patients admitted to the internal medicine service, based on scientific evidence and the experience of recognized professionals.





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This training will give you a sense of security when taking decisions and providing care, which will help you grow both personally and professionally”



General Objective

- ◆ Update the professional in nursing procedures and interventions to perform appropriate patient care in the internal medicine hospitalization unit.



Specific Objectives

- ◆ Describe the Internal Medicine Service and its organization.
- ◆ Gain up-to-date knowledge of the nursing procedures for comprehensive assessment of the patient.
- ◆ Assess the importance of the proper use of the nursing record in the internal medicine service, and describe the implementation procedures.
- ◆ Gain up-to-date knowledge on expert nursing care related to the safety of the patient.
- ◆ Identify the clinical changes in different situations.
- ◆ Describe nursing care before and after the diagnostic procedures and techniques in the internal medicine hospital unit.



- ◆ Recognise the necessary resource material for performing the different diagnostic and therapeutic tests.
- ◆ Identify measures that contribute to the prevention of nosocomial infections.
- ◆ Identify the most common health problems in chronic illnesses.
- ◆ Gain up-to-date knowledge of the complications that can appear in diabetes to be able to anticipate them and avoid their occurrence, or to know how to act if they do occur.
- ◆ Identify which risk factors we can change and how to change them.
- ◆ Describe the technique of arterial blood gas analysis in the bedridden patient.
- ◆ Explain the patient use of inhalers and their effectiveness in each case.

03

Course Management

The program includes in its teaching staff nursing professionals of reference in the field of internal medicine, who pour into this training the experience of their work. Además han participado en la creación de los contenidos otros especialistas de reconocido prestigio que completan el programa de un modo interdisciplinar.





“

Learn about the latest advances in care for infectious patients in the internal medicine unit from leading professionals”

Management



Ródenas Giménez, María Asunción

- ◆ Diploma in Nursing
- ◆ Master's Degree in Nursing Sciences, University of Alicante, Spain
- ◆ Nursing Supervisor in Internal Medicine Services at Elche University General Hospital Alicante, Spain
- ◆ Member of the Thrombosis and Hemostasis Commission and of the clinical research team in the Internal Medicine Service of the Elche General University Hospital Alicante, Spain

Professors

Cantó Pastor, María Teresa

- ◆ Diploma in Nursing
- ◆ Master's Degree in Nursing Sciences, University of Alicante, Spain
- ◆ Course of Pedagogical Adaptation in the Faculty of Health Sciences at the University of Alicante
- ◆ Internal Medicine Nurse in Elche University General Hospital Alicante, Spain
- ◆ University Tutor in Hospital Practice at Elche University General Hospital Alicante, Spain

Dr. López García, Francisco

- ◆ Degree in Medicine and Surgery
- ◆ Internal Medicine Specialist at Elche University General Hospital. Alicante, Spain
- ◆ Internal Medicine Resident Tutor at Orihuela Hospital Alicante, Spain
- ◆ Vocal Member of Valencian Community Society of Internal Medicine
- ◆ Secretary of the COPD Working Group of the Spanish Society of Internal Medicine, coordinator and principal investigator of the ECCO Study: "Study of Comorbidity in COPD patients hospitalized in Internal Medicine Services (ECCO Study)".
- ◆ Author of 89 indexed scientific publications and 32 chapters in books or monographs. Author and editor of 5 books published on COPD.



Miguel Manzanera, Matilde

- ◆ Diploma in Nursing
- ◆ Work experience in hospitalization units: Cardiology, Pneumology, Infectious Diseases and Internal Medicine of the Elche General University Hospital Alicante, Spain
- ◆ Lecturer in the Respiratory Knowledge Update (EVES), Mechanical Ventilation (EVES) and NIV Management Workshop courses
- ◆ University Tutor in Hospital Practice at Elche University General Hospital Alicante, Spain

Dr. Mora Rufete, Antonia

- ◆ Degree in Medicine and Surgery
- ◆ PhD in Medicine from the Faculty of Medicine from the University of Alicante
- ◆ Specialist in Internal Medicine
- ◆ Head of Department in Internal Medicine Services at Elche University General Hospital Alicante, Spain
- ◆ Postgraduate in Specialist Care of Advanced Aged Patients and Pluripathology from Autonomous University of Barcelona
- ◆ 120 publications in spanish, european and american journals (articles published in JCR indexed journals with impact factor)
- ◆ Member of FOS (Fabry Outcome Survey) group and Pluripathological and Advanced Age Patient group of the Spanish Society for Internal Medicine (SEMI).

04

Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of nursing training in the internal medicine service, aware of the relevance of current knowledge in order to provide quality patient care and committed to teaching through new educational technologies.



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This Postgraduate Diploma in Infectology Applied to Nursing contains the most complete and up-to-date scientific program on the market"

Module 1. Treatment of Patient with Prolonged Fever of Unknown Origin

- 1.1. Introduction to Fever of Unknown Origin
- 1.2. Definitions.
 - 1.2.1. Fever of Unknown Origin
 - 1.2.2. Hyperthermia
- 1.3. Classification of FUO
 - 1.3.1. Classic FUO
 - 1.3.2. Nosocomial FUO
 - 1.3.3. Neutropenia FUO
 - 1.3.4. FUO associated with HIV
- 1.4. Etiology of FUO
 - 1.4.1. Infectious
 - 1.4.2. Neoplasms.
 - 1.4.3. Non-infectious Inflammatory Diseases
 - 1.4.4. Miscellaneous
- 1.5. Diagnosis of FUO
 - 1.5.1. Medical History. Anamnesis and Thorough Physical Examination
 - 1.5.2. Complementary Tests: Laboratory, Radiological Tests and Others.
- 1.6. Treatment of FUO
 - 1.6.1. Antipyretics
 - 1.6.2. Specific Treatment
- 1.7. Evolution and Prognosis

Module 2. Monitoring of a Nosocomial Infection

- 2.1. Concepts.
 - 2.1.1. Asepsis Antisepsis Sterile Technique
- 2.2. General Isolation Measures
 - 2.2.1. General Isolation Techniques
 - 2.2.2. Clothing
 - 2.2.3. Disinfection
- 2.3. Infection Control Precautions
 - 2.3.1. Standard Precautions
 - 2.3.2. Precautions Based on Transmission
- 2.4. Nosocomial Infections
 - 2.4.1. Localizations
 - 2.4.2. Risk Factors.
 - 2.4.3. Types of Isolation
 - 2.4.4. Prevention of Nosocomial Infections
- 2.5. Preventions of Infections Associated with Various Hospital Procedures
 - 2.5.1. Prevention of Nosocomial Infections Associated with Vesical Probing
 - 2.5.2. Recommendations for Preventing Infections Associated with the Insertion of Intravenous Catheters
- 2.6. Prevention of Infections of the Professional
 - 2.6.1. Rules Vaccines Recommendations

Module 3. Caring for Patients with Sepsis and Septic Shock

- 3.1. Basic Aspects
 - 3.1.1. Concept. Epidemiology. Definitions.
- 3.2. Pathogenesis Clinical Manifestations
 - 3.2.1. Pathophysiology and Pathogenesis
 - 3.2.2. Clinical Picture. Signs and Symptoms.
- 3.3. Complementary Evaluations. Diagnosis.
 - 3.3.1. Complementary Evaluations.
 - 3.3.2. Diagnostic Etiological Syndrome
 - 3.3.3. Differential Diagnosis.

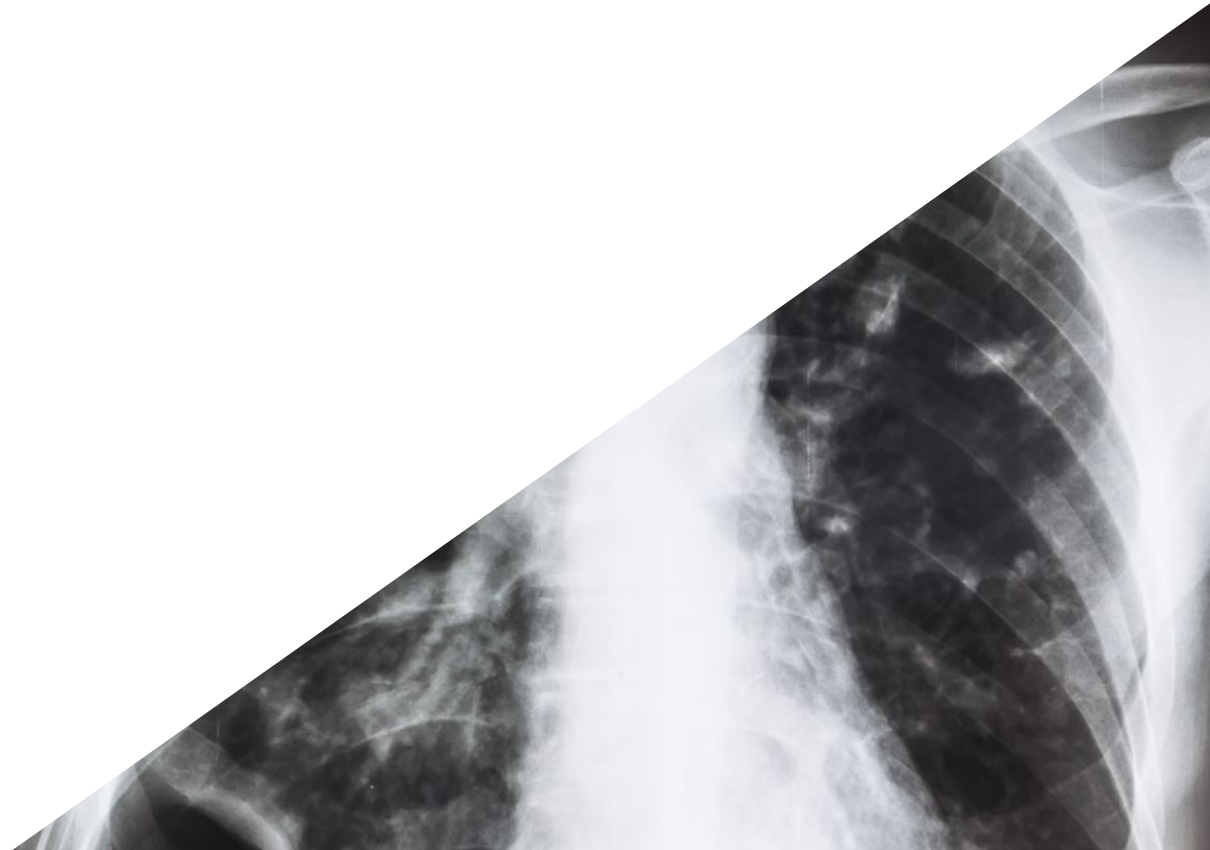
- 3.4. Treatment. Prognosis.
 - 3.4.1. Support and Pathophysiological Treatment
 - 3.4.2. Etiological Treatment Antibiotics
 - 3.4.3. Prognosis.
- 3.5. Nurse Methodology in Situations of Sepsis and Septic Shock
 - 3.5.1. Prevention. Control. Treatment.

Module 4. Caring for a Patient with HIV

- 4.1. Basic Aspects and Diagnosis of HIV
 - 4.1.1. Concept.
 - 4.1.2. Epidemiology.
 - 4.1.3. Pathophysiology.
- 4.2. Therapeutic Regime
 - 4.2.1. Pharmacology.
 - 4.2.2. Nursing Care
 - 4.2.3. Health Education
- 4.3. AIDS
 - 4.3.1. Prevention.
 - 4.3.2. Current Situation
 - 4.3.3. Advances.



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



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.





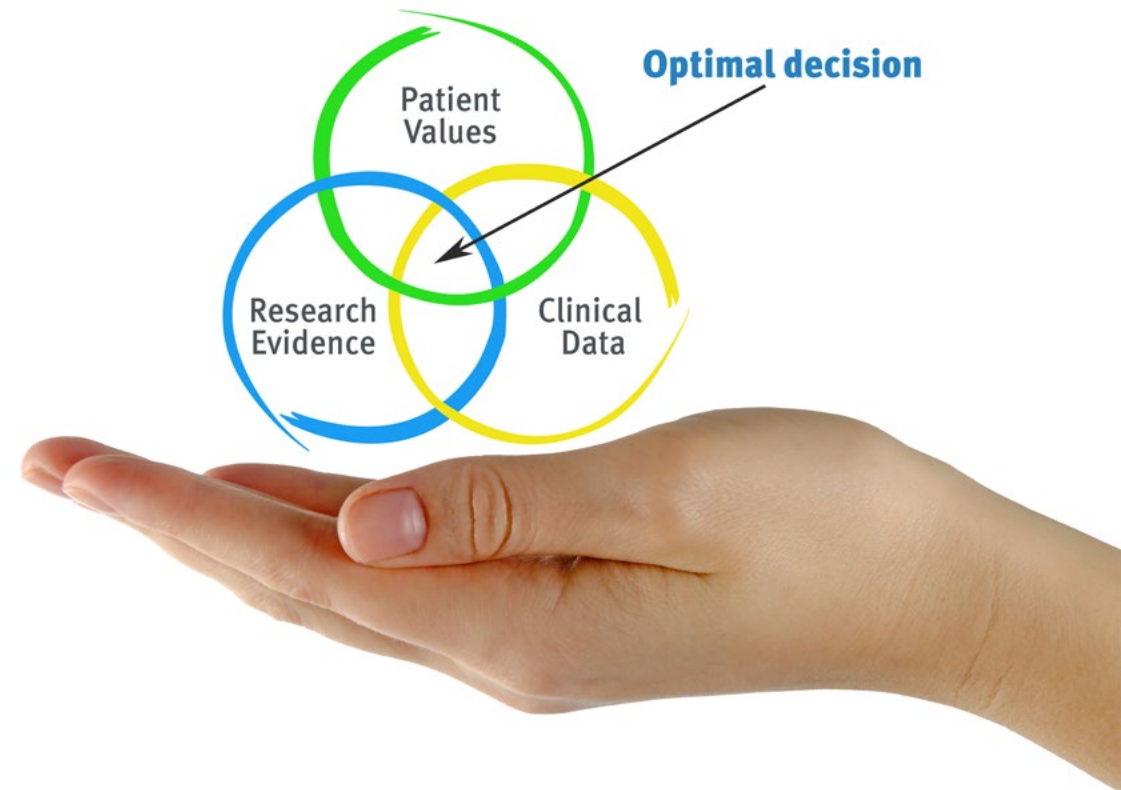
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Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

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

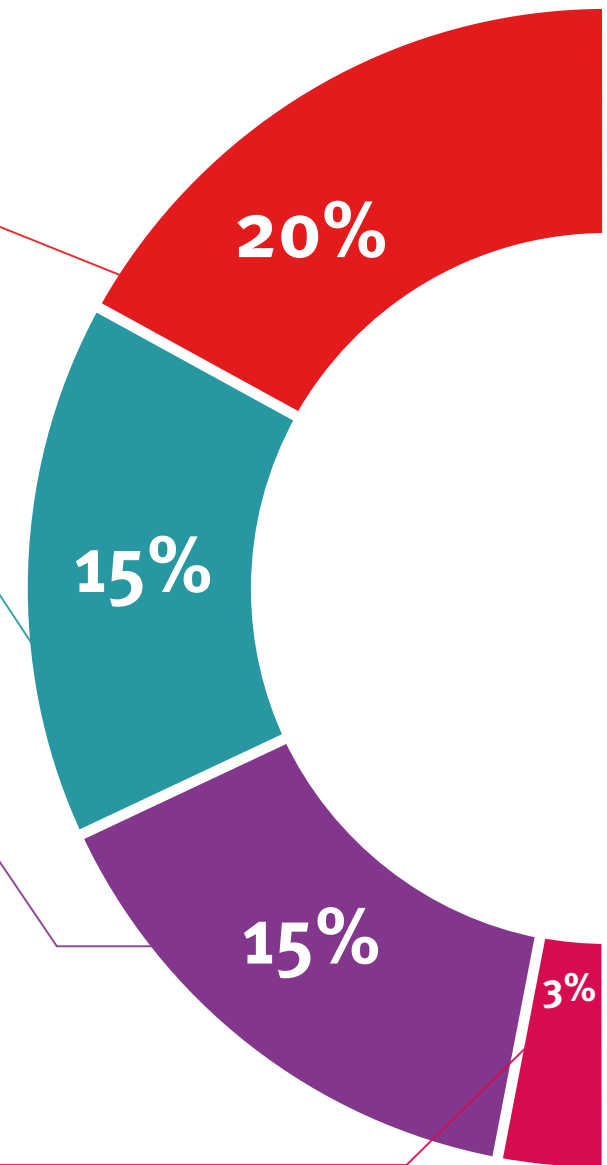
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

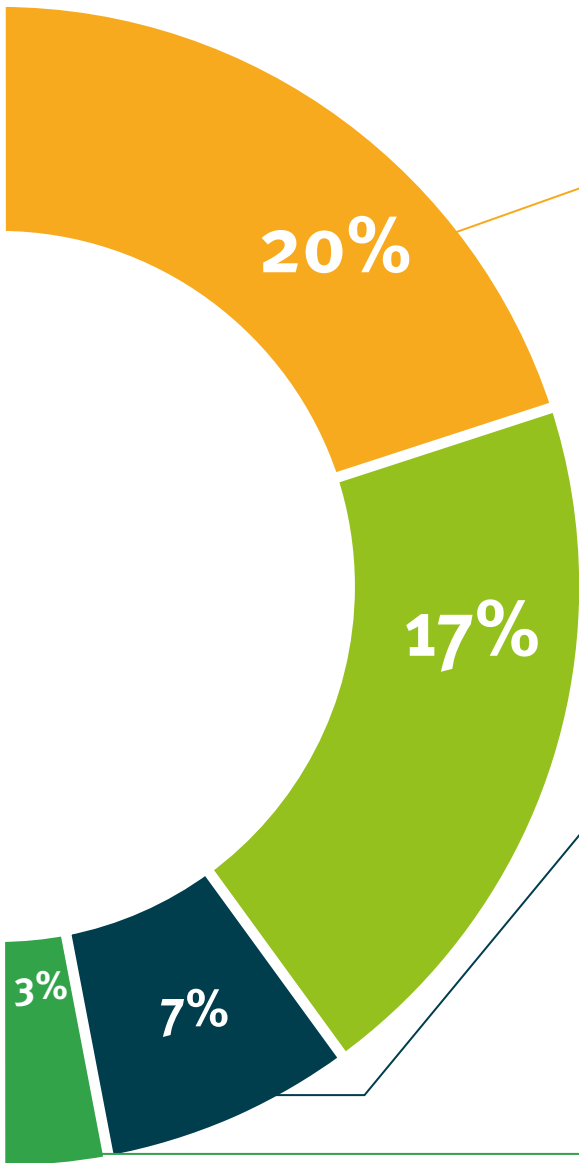
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



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 & Retesting

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

The **Postgraduate Diploma in Infectology Applied to Nursing** guarantees, in addition to the most rigorous and updated training, access to a Postgraduate Diploma issued by **TECH Technological University**.





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Successfully complete this training and receive your university degree without travel or laborious paperwork”

This **Postgraduate Diploma in Infectology Applied to Nursing** 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 specify the qualification obtained through the course, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Infectology Applied to Nursing**

ECTS: **18**

Official Number of Hours: **450**



*Apostille Convention. In the event that the student wishes to have their paper diploma Apostilled, TECH EDUCATION will make the necessary arrangements to obtain it at an additional cost of €140 plus shipping costs of the Apostilled diploma.

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



Postgraduate Diploma
Infectology Applied to
Nursing

Course Modality: Online

Duration: 6 months

Accreditation: TECH Technological University

18 ECTS

Teaching Hours: 450 hours

Postgraduate Diploma

Infectology Applied to Nursing