

# Postgraduate Diploma

Systematic, Non-Systematic Vaccines  
and Nursing Methodology





## Postgraduate Diploma Systematic, Non-Systematic Vaccines and Nursing Methodology

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-systematic-non-systematic-vaccines-nursing-methodology](http://www.techtute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-systematic-non-systematic-vaccines-nursing-methodology)

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# 01

# Introduction

Knowing the types of existing vaccines and the diseases they combat is essential when performing nursing practice, since only a thorough knowledge of the subject will allow performing a competent job with guarantees of success, maintaining, at all times, the safety of the patient and the professional. In this case, you are given the opportunity to specialize in systematic and non-systematic vaccines, while being introduced to nursing methodology to become more competent in your work.





*We offer you a high quality training on Systematic and Non-Systematic Vaccines so that you will be able to identify them and know the main diseases on which they act, in order to offer a more specific care to your patients"*

There are different types of vaccines to be provided to the population, on the one hand, there are the systematic vaccines, which are those included in the current vaccination schedules, and on the other hand, the non-systematic or non-financed vaccines. The nursing professional should be knowledgeable in the handling of both types of vaccines, as well as the diseases for which they are administered.

Each of the vaccines is preceded by a contextualization from the disease against which it acts, the preventive measures that the health professional should know about it, as the existing vaccines of each one of them with their characteristics, indications, contraindications and vaccination guidelines.

In addition, the student will learn about nursing methodology, which is essential to maintain communication among nursing professionals. The nursing methodology allows us, therefore, to establish a standard communication channel among nurses, which provides a high quality of care and improves patient safety.

In this Postgraduate Diploma we have proposed to offer you the most complete education on vaccination in a simple and easy to learn way. Also, being a 100% online program, you will have the opportunity to combine your study hours with the rest of your daily obligations, so that you can increase your education in a comfortable way.

This **Postgraduate Diploma in Systematic, Non-Systematic Vaccines and Nursing Methodology** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ The development of clinical cases presented by vaccine experts.
- ◆ 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.
- ◆ New developments on vaccinations
- ◆ Practical exercises where self-assessment can be used to improve learning.
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ◆ 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



*Increase your education in the field of vaccination and improve yourself thanks to this highly academic Training”*



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*Our programs have the best teaching methodology and the latest educational tools, which will allow you to study from home without sacrificing the possibilities offered by on-site classes”*

Its teaching staff includes professionals from the field of vaccines in nursing, who bring the experience of their work to this program, as well as recognized specialists from leading scientific societies.

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 program designed 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 professional will be assisted by an innovative interactive video system created by renowned and experienced experts in vaccination and extensive experience Teachers.

*This Postgraduate Diploma is the best investment you can make in education to acquire the best and most up-to-date Postgraduate Diploma in vaccination.*

*Knowing all the information related to the vaccines you give to your patients will allow you to practice your profession with greater safety.*



02

# Objectives

This Professional Master's Postgraduate Diploma in Systematic, Non-Systematic Vaccines and Nursing Methodology is aimed at facilitating the nurse's performance and increasing their ability to treat patients who require this type of intervention with full guarantees of success.





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*Our goal is to offer our students the most complete educational program on the market so that they are able to excel and broaden their knowledge and, therefore, become more efficient in their profession"*



## General Objectives

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- Up-to-date the knowledge in relation to the vaccination process and disease prevention and its applicability in the population served that will allow the nursing professional to improve La their skills when exercising their professional activity..
- Know in depth and apply the research methodology at the clinical-care and methodological level in the field of the vaccination process
- Develop skills to transmit and sensitize the population to the importance and need for vaccines and the vaccination process, through health promotion strategies
- Training in the management of vaccines and vaccine and prevention strategies for communicable diseases susceptible to vaccination

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*Acquire the most up-to-date knowledge in this field of work and apply advanced protocols in this intervention in your day-to-day work”*





## Specific Objectives

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### Module 1. Routine Vaccines

- ◆ Identify the different vaccines classified as routine vaccines within the existing immunization schedules
- ◆ Learn more about the characteristics of the diphtheria-tetanus-pertussis vaccine, the different types of existing vaccines and the correct administration guidelines
- ◆ Relate disease characteristics to the diphtheria-tetanus-pertussis vaccine
- ◆ Learn more about the characteristics of the polio vaccine, the different types of vaccine available and the correct administration guidelines
- ◆ Relate the characteristics of the disease to the polio vaccine
- ◆ Expand knowledge on the characteristics of the vaccine against *Haemophilus Influenzae type B*, the different types of existing vaccines and the correct administration guidelines
- ◆ Relate the characteristics of the disease to the *Haemophilus Influenzae type B* vaccine
- ◆ Know extensively the characteristics of the Hepatitis B vaccine, the different types of existing vaccines and the correct administration guidelines
- ◆ Relate the characteristics of the disease to the Hepatitis B vaccine
- ◆ In-depth study of the characteristics of the meningococcal C/ACWY vaccine, the different types of existing vaccines and the correct administration guidelines
- ◆ Relate disease characteristics to meningococcal vaccine C/ ACWY
- ◆ Learn more about the characteristics of the pneumococcal vaccine, the different types of vaccine available and the correct administration guidelines
- ◆ Relate the characteristics of the disease to the pneumococcal vaccine
- ◆ Know in depth the characteristics of the measles, rubella and mumps vaccine, the different types of existing vaccines and the correct administration guidelines

- ◆ Relate the characteristics of the disease to the measles, rubella and mumps vaccine
- ◆ Expand on the characteristics of the influenza vaccine, the different types of vaccine available and the correct administration guidelines
- ◆ Relate the characteristics of the disease to the influenza vaccine
- ◆ Know the characteristics of the varicella vaccine, the different types of existing vaccine and the correct administration guidelines
- ◆ Relate the characteristics of the disease to the chickenpox vaccine
- ◆ Know in depth the characteristics of the human papillomavirus HPV vaccine, the different types of vaccine available and the correct administration guidelines
- ◆ Relate the characteristics of the disease to the human papillomavirus HPV vaccine

### Module 2. Non-Routine Vaccines-Not Funded

- ◆ Identify the different vaccines classified as non-systematic vaccines
- ◆ Know in depth the characteristics of the allergy vaccine, the different types of existing vaccines and the correct administration guidelines Integrate the administration protocol in case of missed doses
- ◆ Apply the characteristics of the hepatitis A vaccine, the different types of existing vaccine and the correct administration guidelines
- ◆ Relate the characteristics of the disease to the Hepatitis A vaccine
- ◆ Know In-depth the characteristics of the rabies vaccine, the different types of existing vaccine and the correct administration guidelines
- ◆ Relate the characteristics of the disease to the Rabies vaccine
- ◆ Understand in depth the characteristics of rotavirus vaccine, the different types of vaccine available and the correct administration guidelines

- ♦ Relate the characteristics of the disease to the rotavirus vaccine
- ♦ Know extensively the characteristics of the vaccine against Japanese encephalitis, the different types of existing vaccines and the correct administration guidelines
- ♦ Relate the characteristics of the disease to the Japanese encephalitis vaccine
- ♦ Learn more about the characteristics of the yellow fever vaccine, the different types of vaccine available and the correct administration guidelines
- ♦ Relate the characteristics of the disease to yellow fever vaccine
- ♦ Learn more about the characteristics of the typhoid fever vaccine, the different types of vaccine available and the correct administration guidelines
- ♦ Relate the characteristics of the disease to the typhoid fever vaccine
- ♦ Learn more about the characteristics of the pneumococcal vaccine, the different types of vaccine available and the correct administration guidelines
- ♦ Relate the characteristics of the disease to the cholera vaccine
- ♦ Learn more about the characteristics of the TB vaccine, the different types of vaccine available and the correct administration guidelines
- ♦ Relate the characteristics of the disease to the TB vaccine
- ♦ Specialize in the characteristics of the meningococcal B vaccine, the different types of existing vaccines and the correct administration guidelines
- ♦ Relate disease characteristics to meningococcal vaccine B





### **Module 3. Nursing Methodology in Vaccines**

- ◆ Identify the different stages of the nursing care process and apply it to the vaccination process
- ◆ Integrate the vaccination process within the nursing care process in a theoretical-practical way
- ◆ Know in depth the most appropriate standardized nursing diagnoses according to the current methodology within the vaccination process
- ◆ Apply the most appropriate nursing interventions for each situation within the vaccination process according to the NIC classification
- ◆ Relate the different types of prevention in a community context to the nursing vaccination process
- ◆ Integrate the vaccination process within the theoretical nursing specialization and in conjunction with advanced practice nursing
- ◆ Determine the actuality of nursing within immunization



03

# Course Management

The program includes in its teaching staff renowned experts in nursing, who contribute their work experience to this Postgraduate Certificate. 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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*Leading experts in the field are at the best university to help you achieve professional success”*

## Management



### Ms. Hernández Solís, Andrea

- ♦ Family and Community Nurse in the Madrid Health Service (SERMAS).
- ♦ Nurse in the Intensive Care Unit of the Puerta de Hierro University Hospital.
- ♦ Nurse Specialist in Family and Community Nursing at Getafe University Hospital
- ♦ Professor in the Foundation for the Development of Nursing (FUDEN)
- ♦ Diploma in Nursing from the Autonomous University of Madrid.

## Professors

### Ms. Anula Morales, Irene

- ♦ Nurse of the Mental Health Department of the Puerta de Hierro Majadahonda University Hospital.
- ♦ Nurse specialist in in Mental Health the Foundation for the Development of Nursing.
- ♦ Nurse Specialist in the Mid-Stay Unit for Adolescents with Severe Mental Disorder at Casta Salud.
- ♦ Nephrology Nurse Unit of Acute of the university Fundación Jiménez Díaz Hospital
- ♦ Nurse at the Short Stay Hospitalization Unit for Children and Adolescents at Puerta de Hierro University Hospital
- ♦ Diploma in Nursing from the Autonomous University of Madrid.

### Ms. Rodrigues Fernández, Erica

- ♦ Nurse Pediatrician and Neonatology Specialist
- ♦ Neonatal Nurse the Fundación from Alcorcón University Hospital
- ♦ Nurse Pediatric at El Restón Health Center
- ♦ Radiology Room Nurse in Puerta de Hierro Majadahonda University Hospital.
- ♦ Nurse of Intensive Care of the Puerta de Hierro Hospital Majadahonda
- ♦ Diploma in Nursing from the Autonomous University of Madrid.





# 04

# Structure and Content

The structure of the contents has been designed by a team of professionals from the best educational hospital and universities in the country, who are aware of the relevance of up-to-date education, and are committed to quality teaching using new educational technologies.





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*We have the most complete and up-to-date academic program in the market. We strive for educational excellence and we want you to achieve it too”*


## Module 1. Routine Vaccines

- 1.1. Diphtheria-Tetanus-Pertussis Vaccine
  - 1.1.1. Disease Characteristics
  - 1.1.2. Types of Existing Vaccines
  - 1.1.3. Vaccination Guidelines
- 1.2. Polio Vaccine
  - 1.2.1. Disease Characteristics
  - 1.2.2. Types of Existing Vaccines
  - 1.2.3. Vaccination Guidelines
- 1.3. *Haemophilus Influenzae* Type B Vaccine
  - 1.3.1. Disease Characteristics
  - 1.3.2. Types of Existing Vaccines
  - 1.3.3. Vaccination Guidelines
- 1.4. Hepatitis B Vaccinations
  - 1.4.1. Disease Characteristics
  - 1.4.2. Types of Existing Vaccines
  - 1.4.3. Vaccination Guidelines
- 1.5. Meningococcal Vaccine C/ACWY
  - 1.5.1. Disease Characteristics
  - 1.5.2. Types of Existing Vaccines
  - 1.5.3. Vaccination Guidelines
- 1.6. Pneumococcal Vaccine
  - 1.6.1. Disease Characteristics
  - 1.6.2. Types of Existing Vaccines
  - 1.6.3. Vaccination Guidelines
- 1.7. Measles, Rubella and Mumps Vaccination
  - 1.7.1. Disease Characteristics
  - 1.7.2. Types of Existing Vaccines
  - 1.7.3. Vaccination Guidelines
- 1.8. Influenza Vaccine
  - 1.8.1. Disease Characteristics
  - 1.8.2. Types of Existing Vaccines
  - 1.8.3. Vaccination Guidelines

- 1.9. Varicella Vaccine
  - 1.9.1. Disease Characteristics
  - 1.9.2. Types of Existing Vaccines
  - 1.9.3. Vaccination Guidelines
- 1.10. Human Papillomavirus Vaccine
  - 1.10.1. Disease Characteristics
  - 1.10.2. Types of Existing Vaccines
  - 1.10.3. Vaccination Guidelines

## Module 2. Non-routine Vaccines - Not Funded

- 2.1. Vaccine Allergies
  - 2.1.1. Disease Characteristics
  - 2.1.2. Types of Existing Vaccines
  - 2.1.3. Vaccination Guidelines
- 2.2. Hepatitis A Vaccine
  - 2.2.1. Disease Characteristics
  - 2.2.2. Types of Existing Vaccines
  - 2.2.3. Vaccination Guidelines
- 2.3. Rabies Vaccine
  - 2.3.1. Disease Characteristics
  - 2.3.2. Types of Existing Vaccines
  - 2.3.3. Vaccination Guidelines
- 2.4. Rotavirus Vaccine
  - 2.4.1. Disease Characteristics
  - 2.4.2. Types of Existing Vaccines
  - 2.4.3. Vaccination Guidelines
- 2.5. Japanese Encephalitis Vaccine
  - 2.5.1. Disease Characteristics
  - 2.5.2. Types of Existing Vaccines
  - 2.5.3. Vaccination Guidelines
- 2.6. Yellow Fever Vaccine
  - 2.6.1. Disease Characteristics
  - 2.6.2. Types of Existing Vaccines
  - 2.6.3. Vaccination Guidelines

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- 2.7. Typhoid Fever Vaccine
    - 2.7.1. Disease Characteristics
    - 2.7.2. Types of Existing Vaccines
    - 2.7.3. Vaccination Guidelines
  - 2.8. Cholera Vaccine
    - 2.8.1. Disease Characteristics
    - 2.8.2. Types of Existing Vaccines
    - 2.8.3. Vaccination Guidelines
  - 2.9. Tuberculosis Vaccine
    - 2.9.1. Disease Characteristics
    - 2.9.2. Types of Existing Vaccines
    - 2.9.3. Vaccination Guidelines
  - 2.10. Meningococcal B Vaccine
    - 2.10.1. Disease Characteristics
    - 2.10.2. Types of Existing Vaccines
    - 2.10.3. Vaccination Guidelines

### Module 3. Nursing Methodology in Vaccines

- 3.1. History of Nursing in Immunization
- 3.2. The Nursing Care Process
  - 3.2.1. Stages Within the Nursing Care Process
- 3.3. Vaccination Within the Eap
- 3.4. Most Commonly Used Nursing Diagnoses in Vaccination
  - 3.4.1. Diagnósticos de Enfermería Más Utilizados en la Vacunación
- 3.5. Nursing Interventions in the Vaccination Process
  - 3.5.1. Most Frequent CINs Used in the Vaccination Process
- 3.6. Existing Types of Prevention and Application in the Vaccination Process
  - 3.6.1. Primary Prevention in the Vaccination Process
  - 3.6.2. Secondary Prevention in the Vaccination Process
  - 3.6.3. Tertiary Prevention in the Vaccination Process
  - 3.6.4. Quaternary Prevention in the Vaccination Process
- 3.7. Immunization in Nursing Specialization
- 3.8. Nursing News on Immunization

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 Nursing School 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. 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 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 case studies with a 100% online learning system based on repetition combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of 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 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 have trained more than 175,000 nurses with unprecedented success in all specialities regardless of practical 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 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 (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 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.



### Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. 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 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 Diploma in Systematic, Non-Systematic Vaccines and Nursing Methodology guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Global University.





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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This program will allow you to obtain your **Postgraduate Diploma Systematic, Non-Systematic Vaccines and Nursing Methodology** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

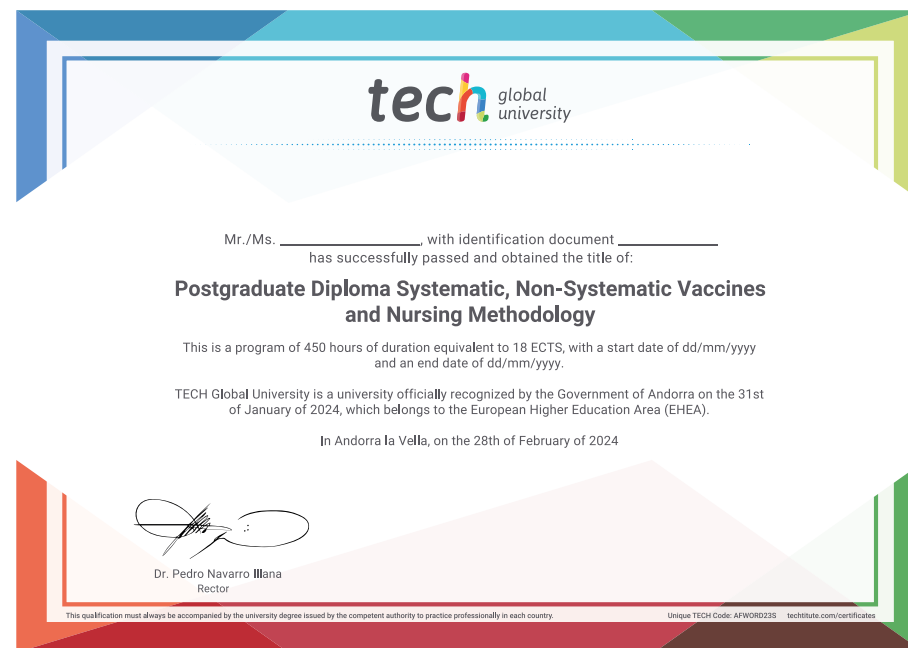
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma Systematic, Non-Systematic Vaccines and Nursing Methodology**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.





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- » Modality: online
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- » Schedule: at your own pace
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Systematic, Non-Systematic Vaccines  
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