

# 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 Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/in/nursing/postgraduate-diploma/postgraduate-diploma-systematic-non-systematic-vaccines-nursing-methodology](http://www.techtitute.com/in/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, we give you the opportunity to specialize in systematic and non-systematic vaccines, while at the same time we introduce you to nursing methodology so that you can be more competent in your work.



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*We offer you the highest quality training on routine and non-routine 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 must have extensive knowledge of the handling of both types of vaccines, as well as the diseases for which they are given.

In this Postgraduate Diploma, the nurse will be offered a complete training on each of the vaccines, with the contextualization of the disease against which it exerts its action, the preventive measures that the health professional should know about it and, subsequently, the existing vaccines of each 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, therefore, to establish a standard communication channel between 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 training on vaccination in a simple and easy to learn way. Also, being a 100% online training, you will have the opportunity to combine your study hours with the rest of your daily obligations, so that you can increase your training in a comfortable way.

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

- ◆ Clinical cases presented by experts in vaccines.
- ◆ 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.
- ◆ News on Vaccination.
- ◆ Practical exercises where the self-assessment process can be carried out 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 training in the field of vaccination and improve thanks to this highly academic training"*



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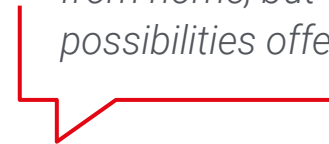
*This Postgraduate Diploma is the best investment you can make to training to acquire the best and most up-to-date training in vaccines”*

Its teaching staff includes a professionals from the field of vaccines in nursing, who bring the experience of their work to this training, as well as recognised 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 training program designed to train in real situations.

This program is designed around Problem Based Learning, whereby the Nurse must try to solve different professional practice situations that arise during 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.

*Our courses have the best teaching methodology and the latest didactic tools, which will allow you to study from home, but without losing the possibilities offered by on-site classes*



# 02

# Objectives

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





“

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



## General Objectives

- Update the knowledge in relation to the vaccination and disease prevention process and its applicability in the population served that will allow the nursing professional to increase training at the time of exercising his/her 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 itself, through health promotion strategies
- Training in the management of vaccines and vaccine management and prevention strategies for communicable diseases susceptible to vaccination

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



## Specific Objectives

- 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
- Deepen in 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
- ◆ 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 vaccine 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 fave 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
- ◆ 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

03

# Course Management

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





“

*Leading experts in the field are at the best university to help you achieve professional success”*



## Management



### Hernández Solís, Andrea

- ◆ Nurse specialist in family and community nursing at the Hospital Universitario de Getafe
- ◆ Nurse assistant in primary care in Madrid
- ◆ Teacher and tutor in different postgraduate programs since 2015

## Professors

### Anula Morales, Irene

- ◆ Specialist Nurse in Mental Health
- ◆ Diploma in Nursing, Universidad Autónoma de Madrid (Escuela Universitaria Puerta de Hierro) 2009-2012.
- ◆ Short Stay Hospitalization Unit for Children and Adolescents at Puerta de Hierro University Hospital.
- ◆ Since 2019
- ◆ Academic coordinator in School Health Expert 2020-2021, Foundation for the
- ◆ Development of Nursing (FUNDEN).
- ◆ Tutor of clinical Residency 2020-2022. Puerta de Hierro University Hospital.

## Professors

### Rodrigues Fernández, Erica

- ◆ Nurse specialist in pediatric and obstetric-gynecological nursing.
- ◆ Teacher and tutor at post-graduate level, competitive examinations and specialized training.
- ◆ Nurse as a midwife.





# 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, training, and are committed to quality teaching using new educational technologies.



“

*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 W/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 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.



“

*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

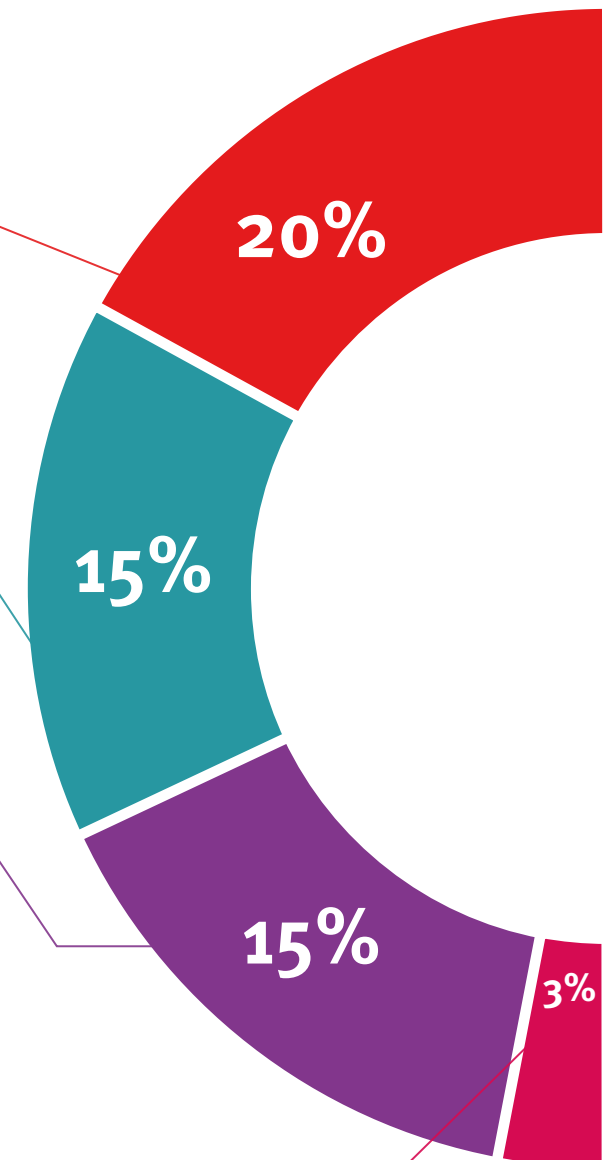
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

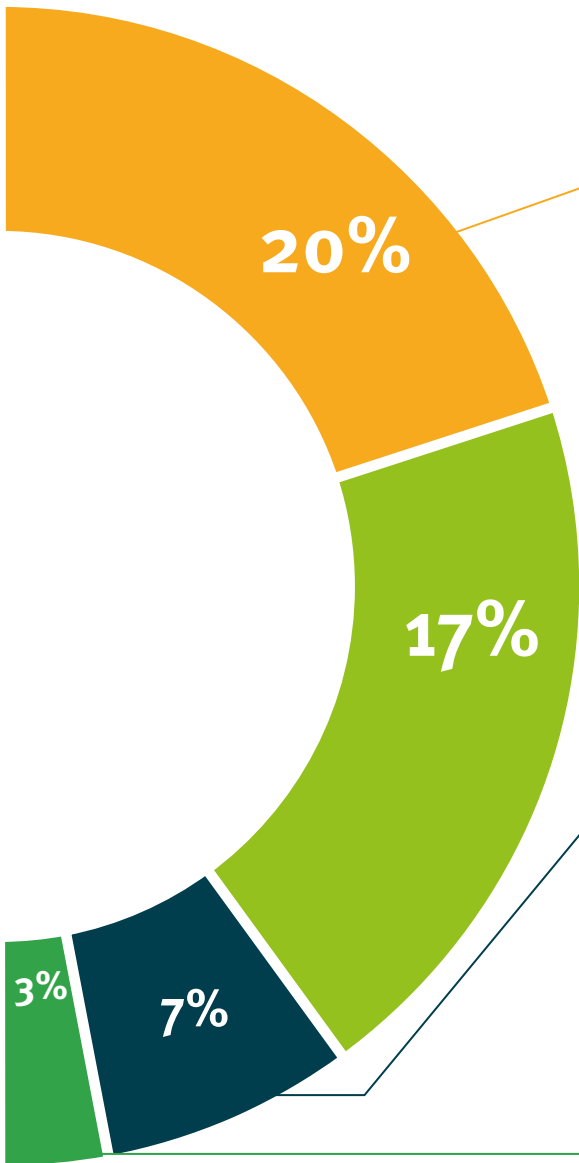
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



### 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 Systematic, Non-Systematic Vaccines and Nursing Methodology** 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 certificate without travel or laborious paperwork”*

This **Postgraduate Diploma in Systematic, Non-Systematic Vaccines and Nursing Methodology** contains the most complete and updated scientific program on the market.

After passing the assessments, students receive their corresponding **Postgraduate Diploma issued by TECH Technological University**.

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

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

ECTS: **18**

Official Number of Hours: **450**



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



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

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

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