

# Postgraduate Certificate

## Primary Care Nursing Research



## Postgraduate Certificate Primary Care Nursing Research

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

Website: [www.techtitute.com/us/nursing/postgraduate-certificate/primary-care-nursing-research](http://www.techtitute.com/us/nursing/postgraduate-certificate/primary-care-nursing-research)

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# 01

# Introduction

Primary care has benefited enormously from research and scientific evidence in recent years, enabling its units to improve the quality and effectiveness of care offered to patients. For nursing professionals, it is essential to keep up to date with these advances, thus promoting the use of better healthcare practices in their daily practice. For this reason, TECH has created this program where nurses can update themselves on the most relevant information sources and databases. At the same time, in various biostatistics tools and in the epidemiological approach to health. In addition, the program offers great flexibility to combine its development with other responsibilities, without having to adjust to preset schedules and in a 100% online mode.



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*Through this university program, you will be updated on the most recent techniques for the measurement of epidemiological phenomena that facilitate the practice of Primary Care Nursing”*

Systematic data collection and analysis with the goal of generating solid scientific evidence have driven better nursing practices and care decisions in primary care. As part of these studies, approaches such as epidemiological approaches have been extended to care units to address early or promptly various health problems that may afflict communities. Continuous updating on these innovations is paramount for nurses who aspire to sustain an advanced praxis, in line with the latest care standards and criteria.

Therefore, TECH has designed this program to offer nursing professionals the most recent and competitive competencies for their professional practice. Throughout the syllabus, students will delve into the use of different sources of academic information to counteract research evidence. At the same time, they will delve into the latest generation of Biostatistics tools and some of the most efficient methodological structures to carry out qualitative or quantitative studies in health.

Likewise, this Postgraduate Certificate has a 100% online methodology where Relearning has a significant impact to consolidate complex concepts and skills. The program is not subject to predefined schedules, giving nurses the opportunity to self-manage their own time and access the contents freely 24 hours a day. On the other hand, the academic materials include videos, infographics, interactive summaries and other multimedia resources. Through all of them, graduates will have a unique opportunity to increase their specialization and acquire a highly demanded professional profile.

This **Postgraduate Certificate in Primary Care Nursing Research** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of case studies presented by experts in Primary Care Nursing
- ♦ Graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection work
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*You will implement in your work practice the most advanced techniques in the handling and conservation of sterile material"*



*Thanks to this program, you will delve into the different quantitative and qualitative research methodologies that can be developed by nursing professionals to analyze health phenomena"*

*You will deepen in analytical and descriptive studies, their characteristics and advantages for a more professional and advanced practice of Primary Care Nursing.*

*Through this program you will be updated on the sources of information with the greatest impact on the nursing community, with emphasis on the most prestigious scientific journals and databases.*

The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide the professionals with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professionals must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned experts.



# 02

# Objectives

The purpose of this program is to provide nurses with an update of the competencies required by these professionals to carry out scientific research. Through these very complete contents, each graduate will be able to incorporate data analysis tools and scientific evidence in their daily care activity. In this way, they will promote more efficient clinical practices in health systems and, in turn, will acquire an updated profile for their performance. In addition, to achieve all these objectives, TECH offers a 100% online program with no restrictions to access the academic materials 24 hours a day.





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*Through the notions of Biostatistics addressed in this university program, you will incorporate the most updated methods of measurement of variables to your research activities in Nursing”*



## General Objectives

- ◆ Develop knowledge about the aspects of care in Primary Care, both for individuals, families and groups and the interactions that occur between them
- ◆ Broaden the professional domains of Primary Care Nursing and acquire knowledge for greater visibility, prestige, and a higher level of job autonomy
- ◆ Actively participate in the community in terms of community health programs
- ◆ Keep abreast of advanced practice trends in primary care nursing
- ◆ Promote best practices, based on scientific evidence, in response to advances in treatment research and technology





## Specific Objectives

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- ◆ Delve into central concepts of the scientific method including hypothesis formulation, statistical errors, sample size calculation and statistical methods related to hypothesis testing
- ◆ Search and select clinical documentation specific to their specialty
- ◆ Deepen in the criteria of causality, frequency measures: incidence, prevalence, risks, NNTs
- ◆ Differentiate the different types of Studies: Understand concepts of validity, Reliability and Bias Diagram the chain of Infection

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*In 6 weeks, you will be up to date on the classification and types of epidemiological studies that you can develop as a nursing professional”*

03

# Course Management

The program has a faculty selected for their extensive experience and specialization in the field of Primary Care Nursing. Thus, each member has an outstanding professional career and has demonstrated excellence in the care of patients with different pathologies or in epidemiological health research. Through these proven skills and knowledge, they have developed a disruptive syllabus that will enhance graduates' mastery of the most emerging tools and work techniques.



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*The experts that make up the TECH teaching staff have developed a comprehensive and rigorous syllabus through which you will be able to keep up to date on Primary Care Nursing Research”*

## Management



### Dr. Sánchez Castro, Juan José Augusto

- ♦ Head of Primary Care Service at A Estrada Health Center
- ♦ Specialist in Family and Community Medicine in the Galician Health Service
- ♦ Executive Director of Infomercados Financial Services
- ♦ Master's Degree in Business Valuation from Center for Financial Studies (CEF)
- ♦ Diploma in Health by the Ministry of Health and Consumption
- ♦ Degree in Medicine and Surgery from the University of Santiago de Compostela

## Professors

### Mr. Alcántara Espinosa, Jorge Miguel

- ♦ Biostatistics Specialist in Biostatnet
- ♦ Specialist in Biostatistics at the Santiago de Compostela Health Research Institute
- ♦ Nurse in Clinic Hospital of Santiago de Compostela
- ♦ Nurse at DomusVi Spain
- ♦ Master's Degree in Informatics and Biostatistics from the Oberta de Catalunya University
- ♦ Master's Degree in Big Data and e-health
- ♦ Degree in Nursing from the University of Cadiz

### Ms. Doval Cajaraville, Patricia

- ♦ Work Nurse at Ibersys Seguridad y Salud S.L
- ♦ Master's Degree in Occupational Risk Prevention from the Oberta de Vitoria University
- ♦ Grade in Nursing from the University of Santiago de Compostela



# 04

# Structure and Content

This program in Primary Care Nursing Research addresses the latest criteria and work regulations to ensure proper hygiene and epidemiological control in health centers and communities. At the same time, the program delves into the latest techniques on handling and conservation of sterile material. On the other hand, the syllabus delves into the different analysis protocols that can be carried out by nurses and the most effective sources of information. This academic pathway is also supported by various multimedia resources and advanced methods such as the Harvard School case studies.



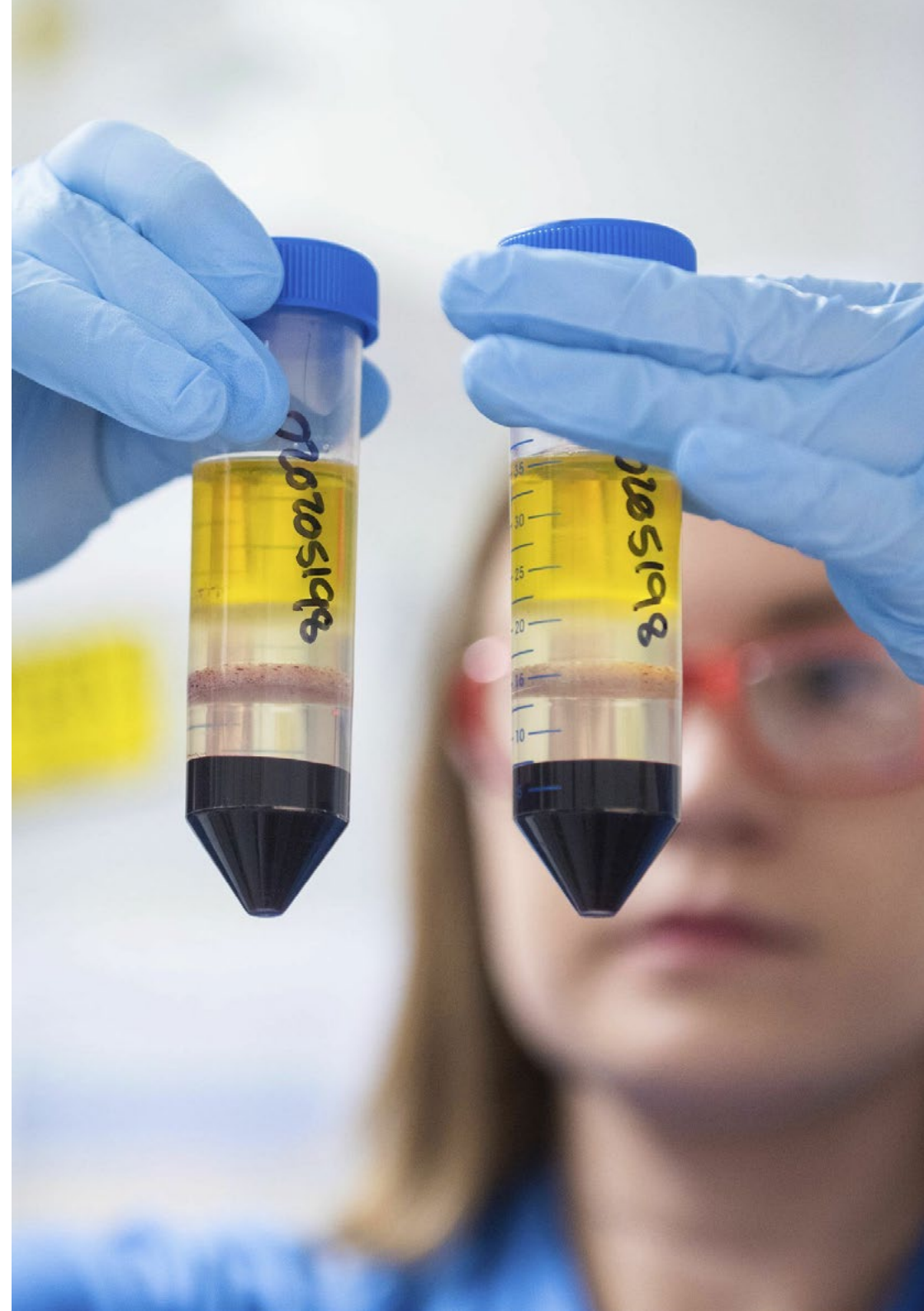


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*A personalized syllabus tailored to your needs and designed using the most disruptive pedagogical methodology, Relearning”*

## Module 1. Regulations, Epidemiology and Research in Primary Care

- 1.1. Protection of of healthcare data
  - 1.1.1. Applicable laws
  - 1.1.2. Legal principles
  - 1.1.3. Management of patients' rights
  - 1.1.4. Practical application of legal principles
- 1.2. Hygiene in healthcare facilities
  - 1.2.1. General Concepts
  - 1.2.2. Disinfectants and antiseptics
  - 1.2.3. Sterilization: procedures. Preparation and types of material to sterilize, sterilization methods
  - 1.2.4. Handling and preservation of sterile goods
  - 1.2.5. Sanitary Waste Management
- 1.3. Research Methodology
  - 1.3.1. Scientific Knowledge
  - 1.3.2. Types of Research
  - 1.3.3. Bibliographical References
  - 1.3.4. International Rules on Vancouver and APA
- 1.4. Evidence-Based Nursing
  - 1.4.1. Concept and background of evidence-based nursing
  - 1.4.2. Elements of evidence-based practice
  - 1.4.3. Stages of scientific evidence
  - 1.4.4. Applied Research: Analytical and descriptive studies used
- 1.5. Sources of information and searches
  - 1.5.1. Document Sources
  - 1.5.2. Scientific Journals
  - 1.5.3. Database
  - 1.5.4. Meta search engines
  - 1.5.5. Bibliographic Review



- 1.6. Biostatistics
  - 1.6.1. Types of Variables
  - 1.6.2. Descriptive Statistics
  - 1.6.3. Inferential or analytical statistics
  - 1.6.4. Frequency measurement
  - 1.6.5. Association Measures
  - 1.6.6. Impact Measures
  - 1.6.7. Validity and Reliability
  - 1.6.8. Sensitivity and Specificity
- 1.7. Epidemiological approach to health problems
  - 1.7.1. Concept of epidemiology
  - 1.7.2. Applications of Epidemiology
  - 1.7.3. Measurement of epidemiological phenomena
  - 1.7.4. Stages of the Epidemiological Method
  - 1.7.5. Classification of Epidemiological Studies
  - 1.7.6. Types of Epidemiological Studies
    - 1.7.6.1. Observational descriptive studies: Case Study  
Cross-sectional studies. Correlation Studies
    - 1.7.6.2. Analytical observational studies: Prospective  
and retrospective cohorts, cases and controls
    - 1.7.6.3. Experimental intervention studies: Randomized clinical trial,  
Crossover clinical trial, randomized and non-randomized community trial
- 1.8. Methodology Structure of a Scientific Assignments
  - 1.8.1. Conceptual Phase
  - 1.8.2. Design and Planning Phase (Methodological)
  - 1.8.3. Empirical Phase
  - 1.8.4. Analytical Phase
  - 1.8.5. Diffusion Phase
- 1.9. Methods and Approach of Research in Nursing
  - 1.9.1. Differences between qualitative and quantitative
  - 1.9.2. Qualitative Research: Types of Studies. Data Collection Techniques.  
Analysis and interpretation in qualitative research
  - 1.9.3. Quantitative Research
  - 1.9.4. The sample and the study population
  - 1.9.5. Errors and biases
  - 1.9.6. Palliative Care Communication
- 1.10. Nursing assessment and care in patients with infectious disease processes
  - 1.10.1. Hepatitis
  - 1.10.2. Tuberculosis
  - 1.10.3. AIDS
  - 1.10.4. Meningitis
  - 1.10.5. Sexually transmitted diseases (STDs)
  - 1.10.6. Nursing procedures and techniques: Blood Culture Urine Culture  
Stool Culture Prevention and Control Measures



*This program is not subject to rigid schedules or continuous evaluation chronograms so you can personalize your progress. Don't miss the opportunity and enroll now with TECH”*

# 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. Gervas, 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 Certificate in Primary Care Nursing Research guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



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

This **Postgraduate Certificate in Primary Care Nursing Research** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The 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 Primary Care Nursing Research**

Official N° of Hours: **150 h.**



\*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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Nursing Research

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