Postgraduate Certificate
Fundamentals of Research in Health Sciences

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![TECH technological university]

Postgraduate Certificate
Fundamentals of Research in Health Sciences

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

Website: **www.techtitute.com/pk/nursing/postgraduate-certificate/fundamentals-research-health-sciences**

Index

01
Introduction

To pursue research in Health Sciences, professionals must adequately approach and manage mental, personal, health, digital and technical tools. This complete program is configured as a perfect training mechanism in this area of work.

"

A comprehensive Postgraduate Certificate that will give you the tools to pursue Health Sciences Research"

This Postgraduate Certificate will immerse professionals in the world of research, including the basic concepts, differentiating between basic and care research, definitions and concepts according to the different health and non-health organizations at the public and private, national and international level.

The program will also focus on the impact and significance of science for its further advancement and present a historical review of the evolution of research, specifically in nursing, as well as its relation to epidemiology.

The study of Epidemiology is also an important aspect since it is the discipline of scientific that deals with the study of the spread of diseases, health problems and reasons for their occurrence.

A comprehensive review of all the aspects necessary to conduct a competitive and quality nursing research project.

This comprehensive program trains nursing postgraduates in the area of research, offering complete theoretical and practical training in all areas, including related overlapping areas.

This preparatory approach will also confront you with simulated situations and practical experiences, which will allow professionals to acquire a high level of professional competence. The training is dynamic, benefiting from a teaching team with experience in research and innovation, who in their daily work develop real and analytical scientific research within their professional activity.

This **Postgraduate Certificate in Fundamentals of Research in Health Sciences** offers you the characteristics of a high-level, scientific and technological program. These are some of its most notable features:

- The latest technology in online teaching software
- A highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand
- Practical cases presented by practicing experts
- State-of-the-art interactive video systems
- Teaching supported by telepractice
- Continuous updating and recycling systems
- Autonomous learning: full compatibility with other occupations
- Practical exercises for self-evaluation and learning verification
- Support groups and educational synergies: questions to the expert, debate and knowledge forums
- Communication with the teacher and individual reflection work
- Content that is accessible from any fixed or portable device with an Internet connection
- Complementary documentation banks permanently available, even after the course

A very specific training created for professionals in the field of Health Sciences"

Increase your decision-making confidence by updating your knowledge through this Postgraduate Certificate.

" *A unique opportunity to gain access to the most interesting databases and the most powerful educational community in the online teaching market"*

Add to your CV the ability to participate in the area of research and position yourself as a competitive and interesting professional for any company.

The teaching staff includes professionals from the field of nursing, who bring their experience to this training program, as well as renowned specialists from leading communities and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive training experience designed to train for real-life situations.

This program is designed around Problem-Based Learning, where the nurse must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts in Clinical Nutrition Pediatrics with extensive experience.

02
Objectives

This comprehensive training allows professionals to develop skills and apply theoretical knowledge in real research projects in nursing practice, from the research question hypothesis to the publication of their results.

This Postgraduate Certificate offers you essential support to reach your academic objectives, with a training system created to facilitate and increase your learning"

General Objectives

- Obtain the necessary tools to execute the research idea
- Learn how to manage the scientific method that will enable you to become researchers and knowledge producers
- Use different research models depending on the object of study
- Perform bibliographic searches, accessing the latest research results with critical and analytical skills

Realistic objectives, but with a high training impact, in a Postgraduate Certificate of the highest level"

Specific Objectives

- Delve deeper into the research process as a whole
- Manage the evolution of research in nursing
- Make use of the different study designs in nursing research
- Develop critical reasoning as a researcher
- Have in-depth knowledge of the essential elements of research design
- Plan a nursing research project independently
- Manage skills for writing a scientific article

03
Course Management

A specialized teaching staff made up of nursing professionals who bring their work experience to this training. Additionally, other specialists of recognized prestige have participated in creating the contents, complementing the program in an interdisciplinary manner.

> " *Learning from the best is the best way to move toward excellence. That is why our teachers have been chosen among the best nursing professionals in digestive system and other medical and scientific disciplines"*

Management

Dr. Rodríguez Nogueiras, Amelia

- Graduate in Nursing.
- Postgraduate Diploma in Research
- Master's Degree in Research
- PhD in Nursing

Redondo Montserrat, Francisco

- Diploma in Nursing
- Postgraduate Diploma in Innovation
- Nutritionist
- Innovation Nurse

Structure and Content

The program contents have been developed by the different experts on the course, with a clear purpose: to ensure our students acquire each and every one of the necessary skills to become true experts in this field.

A complete and well-structured program that will take you to the highest standards of quality and success.

A spectacular syllabus that will take you through the most exciting training process, boosting your professional and personal growth in the most stimulating way"

Module 1. Fundamentals of Research in Health Sciences

1.1.   Introduction to Research: Definition, Research in Different Areas
1.2.   History of Research in Health Sciences: Historical Review of the Different Health Science Disciplines
1.3.   History of Nursing Research: Historical Review, Nursing Research Continuum, Nursing Research Figures
1.4.   Evidence-Based Nursing: Research Results, Application to Healthcare Practice
1.5.   Research Methodology: Research Question, Applying Research Models
1.6.   Research Project Design: Matching Studies to the Question Posed, Results and Conclusions
1.7.   Clinical Trials: Theoretical Framework, Trial Phases, Clinical Trial Figures
1.8.   Epidemiology: Theoretical Framework, Epidemiology and Research Evolution
1.9.   Process of Writing a Research Protocol: Outline, Structure, Phases
1.10. Citation and Bibliography: Definition, Importance of Bibliographic Citation, Respect for the Author, Bibliographic Preparation Models

"

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

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.

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.

> *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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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.
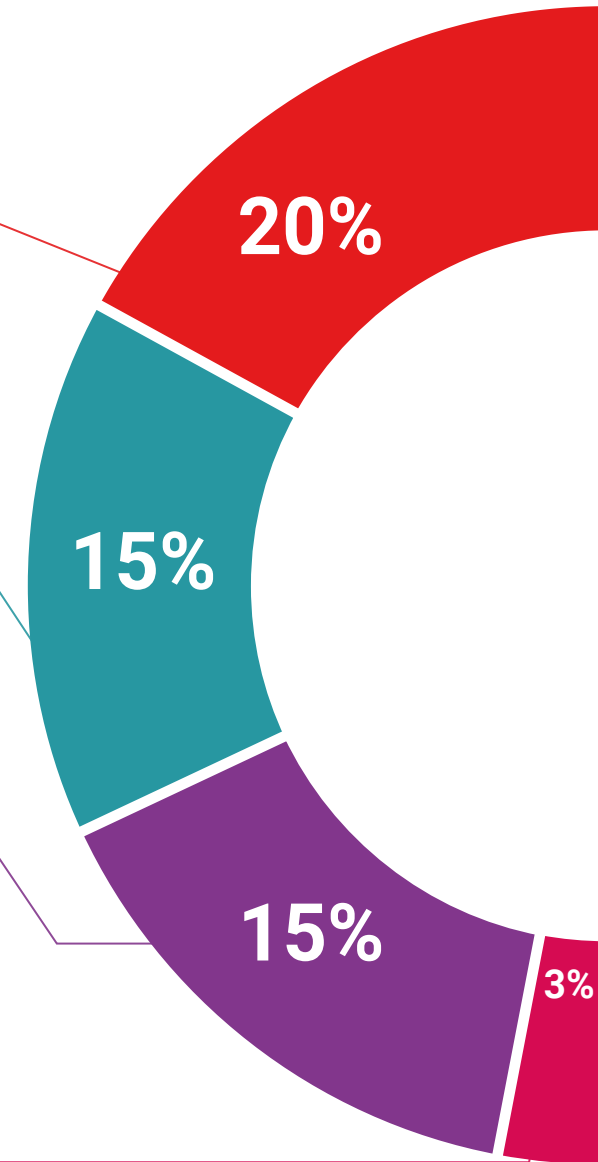
Interactive Summaries

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.
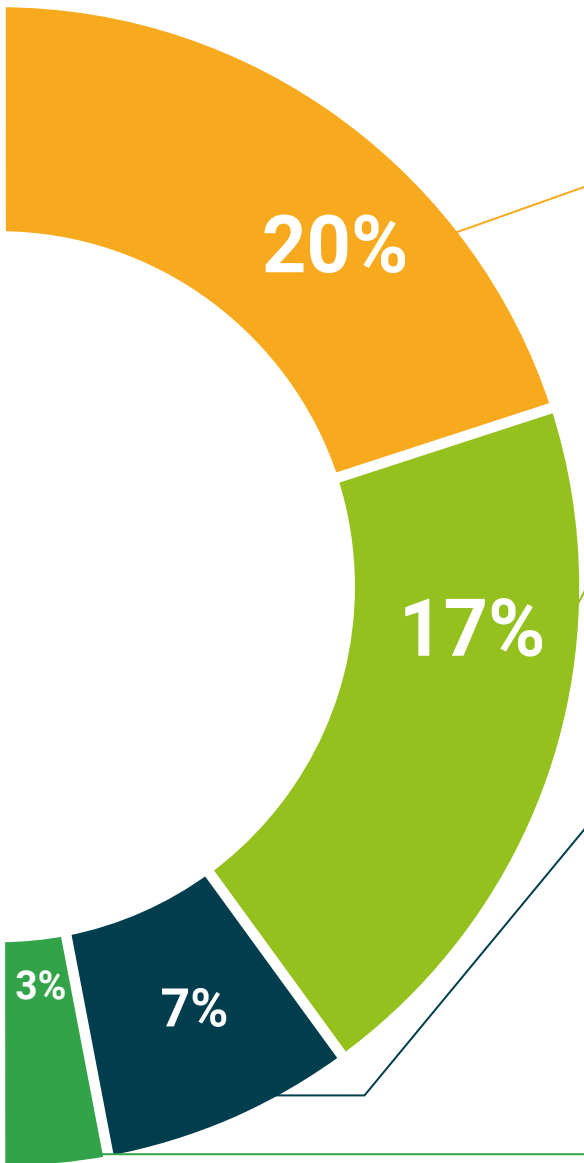
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

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.

20%

15%

15%

3%

20%

17%

7%

3%

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.

Certificate

The Postgraduate Certificate in Fundamentals of Research in Health Sciences guarantees, in addition to the most rigorous and up-to-date training, access to a qualification issued by TECH Technological University.

Successfully complete this master's and receive your university degree without travel or laborious paperwork"

This **Postgraduate Certificate in Fundamentals of Research in Health Sciences** contains the most complete and up-to-date program on the market.

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

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by job markets, competitive professional career evaluation committees.

Title: **Postgraduate Certificate in Fundamentals of Research in Health Sciences**

Official Number of Hours: **150 h.**

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Awards the following
CERTIFICATE
to

Mr./Ms. _____, with identification number _____.
For having passed and accredited the following program

POSTGRADUATE CERTIFICATE
in

Fundamentals of Research in Health Sciences

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.   Unique TECH Code: AFWORD23S   techtitute.com/certificates

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

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