

# Postgraduate Certificate

Research and Innovation in  
Nursing in the Hospital Setting



## Postgraduate Certificate Research and Innovation in Nursing in the Hospital Setting

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/nursing/postgraduate-certificate/research-innovation-nursing-hospital-setting](http://www.techtute.com/us/nursing/postgraduate-certificate/research-innovation-nursing-hospital-setting)

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# 01

# Introduction

Research is fundamental in the healthcare field. It not only improves diagnoses, treatments, and interventions for patients with various conditions, but also, in areas such as nursing, it can streamline and enhance numerous processes. In contexts such as the present, where there is a need to improve clinical techniques, the nurse focused on innovation can enjoy significant professional opportunities. This program is therefore designed to help nurses deepen their expertise in this area, enabling them to prepare to participate in scientific research within the hospital setting.



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*Research is essential in the healthcare field: this program will help you to deepen your knowledge in this area, so that you can access important career opportunities working in the field of science and innovation”*

The current era is characterized by the constant search for innovation in all areas: IT, automotive, aviation, education, among others. And healthcare has not been left out of this process. In recent years there has been a large increase in investment in health research, which has led to a demand for new professional profiles. As such, the figure of the research and innovation-oriented nurse is highly sought after.

For that reason, this Postgraduate Certificate in Research and Innovation in Nursing in the Hospital Setting is perfect for any professional who wishes to get up to date with the latest scientific methods applied to the work of nurses in the hospital. Throughout this program, you will be able to delve into issues such as the search for scientific evidence, the interpretation of the results of a scientific article or the clinical implications and benefits of applying evidence to care in the hospital setting.

All this, from a 100% online teaching system that will adapt to the circumstances of the professionals, allowing them to study when, where and how they decide. You will also benefit from the best content, presented in multimedia format, and a teaching staff of great international prestige.

This **Postgraduate Certificate in Research and Innovation in Nursing in the Hospital Setting** 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 Hospital Nursing.
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable 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 assignments
- ♦ Content that is accessible from any fixed or portable device with an internet connection



*The new profile demanded by many health services is that of a nurse with knowledge in research and innovation, so this program is a great opportunity for professional advancement"*

“

*This program has the best content taught by the most prestigious and experienced faculty in health research”*

*The recent healthcare situation requires the nurse to have the most up-to-date knowledge in research and innovation.*

*TECH's teaching methodology has been custom-designed to allow the professionals to study without interrupting their daily work.*

The program's teaching staff includes professionals from the sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies 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 immersive education programmed 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 during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned experts.



# 02 Objectives

Considering the recent healthcare situation, this Postgraduate Certificate in Research and Innovation in Nursing in the Hospital Setting will prepare nurses to become professionals ready to act effectively in various areas, especially when specialized knowledge in the scientific method is required. Thereby, upon completion of the qualification, the nurse will have become an expert in health research and will be able to access numerous jobs and positions related to this field.



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*This program will provide you with  
the career advancement you are  
looking for and need”*



## General Objectives

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- Master the professional aptitude to integrate and apply knowledge, skills and attitudes, developing good practices during their professional practice
- Establish evidence indicators as indicators of compliance with good practices together with instruments for measuring and assessing them
- Control the different hospital areas and units and their particularities in nursing care and attention
- Improve care for complex and chronic conditions by acquiring the necessary information on the interrelation and coordination with other health areas



*The most comprehensive and specialized knowledge and hospital research and innovation are here"*





## Specific Objectives

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- ♦ Generate a research culture among nursing professionals
- ♦ Value the importance of reflection on clinical practice and the search for answers through research
- ♦ Promote the generation and application of new scientific evidence oriented towards excellence in care, in a context of humanization of care and safe practices
- ♦ Enhance the training of professionals in their different fields of action through the acquisition of knowledge and skills in research in care.
- ♦ Provide methodological tools to initiate research proposals
- ♦ Adopt knowledge that contributes to the development of evidence-based care protocols
- ♦ Convey the main resources and strategies for searching for scientific evidence
- ♦ Promote the acquisition of skills in evidence-based practice
- ♦ Generate a culture of scientific dissemination
- ♦ Promote multidisciplinary teamwork and institutional synergies
- ♦ Transmit the existing resources to carry out research proposals in nursing
- ♦ Encourage reflection on the need to translate research results into practice

03

# Course Management

With the immense importance that healthcare research and innovation have gained, TECH Global University has designed a Postgraduate Certificate program featuring the best faculty composed of active professionals, academics, and researchers. In this way, nurses will be able to learn directly and immediately the best scientific procedures to conduct effective research in the hospital setting, responding to the demand for new professional profiles required by the current situation.



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*You will be accompanied by a highly qualified faculty with whom you can delve into the most cutting-edge techniques in this field”*

## Management



### Ms. Santano Magariño, Almudena

- ♦ Nursing Director. Puerta de Hierro Hospital. Madrid
- ♦ Assistant Director of Nursing. Gregorio Marañón Hospital. Madrid
- ♦ Head of Nursing Department. Department of Emergencies and Critical Care. Gregorio Marañón Hospital. Madrid
- ♦ Head of Department. Department of Emergencies and Critical Care. Gregorio Marañón General University Hospital, Madrid
- ♦ Associate Professor in Nursing. Complutense University of Madrid. Madrid
- ♦ Degree in Nursing. Complutense University of Madrid
- ♦ Diploma in Nursing. Salus Infirmorum University, Pontificia University of Salamanca.
- ♦ Degree in Social and Cultural Anthropology. San Antonio Catholic University Murcia
- ♦ Master's Degree in Health Humanization European University of Madrid
- ♦ Master's Degree in Health Management and Planning for Health Managers. European University of Madrid
- ♦ Master's Degree in Health Services Management and Administration. Center for Management Studies. Complutense University of Madrid
- ♦ Master's Degree in Health Care, Management and Care. Santiago de Compostela University La Coruña

## Teachers

### Mr. Sánchez Herrero, Héctor

- ♦ Research Nurse Health Care Research Unit. Puerta de Hierro University Hospital
- ♦ Coordinator of the Mentoring Group of the Spanish Society of Epidemiology
- ♦ Vice-president of the Spanish Group of Young Epidemiologists
- ♦ Degree in Nursing from the University of Salamanca
- ♦ Master's Degree in Public Health from the National School of Health, Carlos III Institute of Health

### Ms. Solis Muñoz, Montserrat

- ♦ Head of the Health Care Research Unit, Nursing Area, Puerta de Hierro Majadahonda University Hospital
- ♦ PhD from the Complutense University (Madrid.)
- ♦ Head of the Nursing and Health Care Research Group of the Puerta de Hierro-Segovia de Arana Health Research Institute (IDIPHISA)
- ♦ Project evaluator for various national (ANEP) and regional evaluation agencies
- ♦ Codirector of the Nursing Goals Journal



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# Structure and Content

This Postgraduate Certificate in Research and Innovation in Nursing in the Hospital Setting is structured into 1 specialized module, divided into 10 topics, and will allow professionals to gain an in-depth understanding of issues such as the scientific-technical writing of a research protocol, the preparation of documents for approval by the Clinical Research Ethics Committee (CEIC) or the Clinical Trials Ethics Committee (CEIM), descriptive and inferential statistics, or the development of evidence-based clinical protocols and their implementation in clinical practice, among others.



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*The most innovative contents in health research are in this program”*

## Module 1. Nursing Research and Innovation in the Hospital Setting

- 1.1. Search for Scientific Evidence
  - 1.1.1. The Design of Search Strategies
  - 1.1.2. Resources and Sources of Information
- 1.2. From the Research Question to the Development of a Research Protocol
  - 1.2.1. Research Question
  - 1.2.2. Scientific-Technical Drafting of a Research Protocol
  - 1.2.3. Preparation of Documents for Approval by the Clinical Research Ethics Committee (CEIC) or Medicines Ethics Committee (CEIM)
  - 1.2.4. Relevance of the CV of the Main Researcher and the Research Team
- 1.3. Methodological Designs
  - 1.3.1. Epidemiological Research
  - 1.3.2. Qualitative Research
  - 1.3.3. Mixed Methods
  - 1.3.4. Design and Validation of Instruments
- 1.4. Critical Reading of Scientific Articles
  - 1.4.1. Critical Reading of Scientific Articles
  - 1.4.2. Quality of Evidence Assessment
- 1.5. Statistics Applied to Nursing Research
  - 1.5.1. Descriptive and Inferential Statistics
  - 1.5.2. Preparation of Tables, Figures and Graphs
  - 1.5.3. Interpretation of the Results of a Scientific Article

- 1.6. The Development of Evidence-Based Protocols and their Implementation
  - 1.6.1. The Development of Evidence-Based Clinical Protocols and their Implementation in Clinical Practice
  - 1.6.2. Research Contributions to the Humanization of Care
- 1.7. Scientific Writing and Dissemination in Different Media
  - 1.7.1. Scientific Publications and Strategies for Deciding Where to Publish
  - 1.7.2. Other Considerations for the Different Scientific Dissemination Media
- 1.8. Opportunities and Resources for Development of Studies and Research
  - 1.8.1. Support Units and Health Research Institutes
  - 1.8.2. Center's Own Resources and External Funding Possibilities



*This Postgraduate Certificate will enable you to conduct scientific research in the healthcare field from the very first step, formulating the research question, to the final step, including its publication and dissemination*



# 05 Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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*TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”*

## The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

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*At TECH you will NOT have live classes  
(which you might not be able to attend)”*



### The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

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*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want”*

## Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



## Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

*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.*



## A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



*The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”*

### The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
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.

### The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

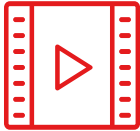
The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

*Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.*

*You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.*



As such, the best educational materials, thoroughly prepared, will be available in this program:



#### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly 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.



#### Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



#### Interactive Summaries

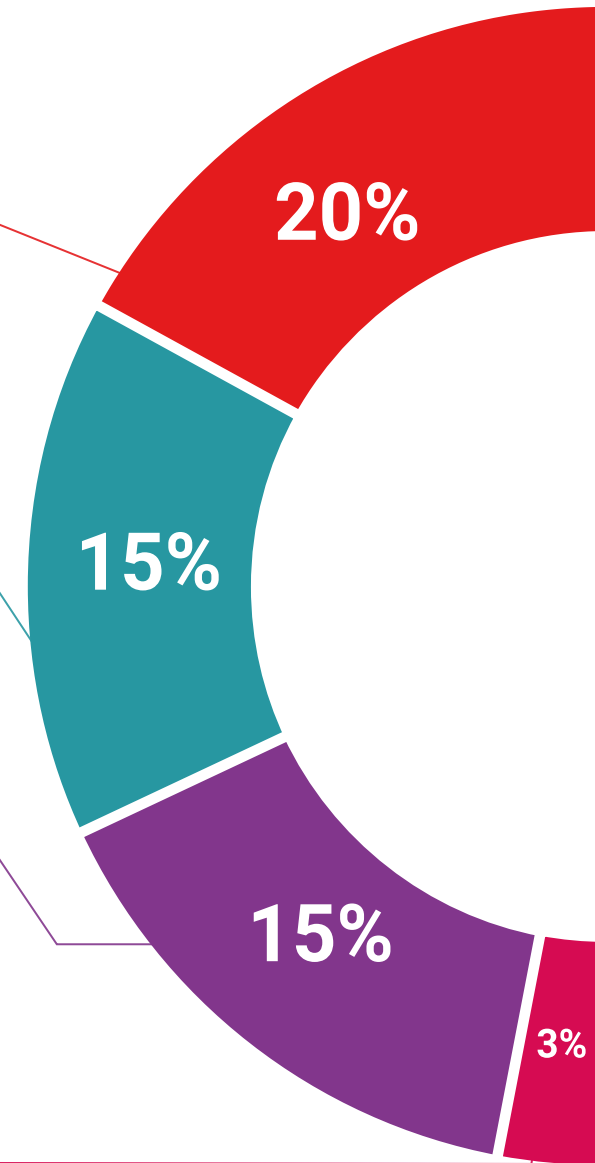
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

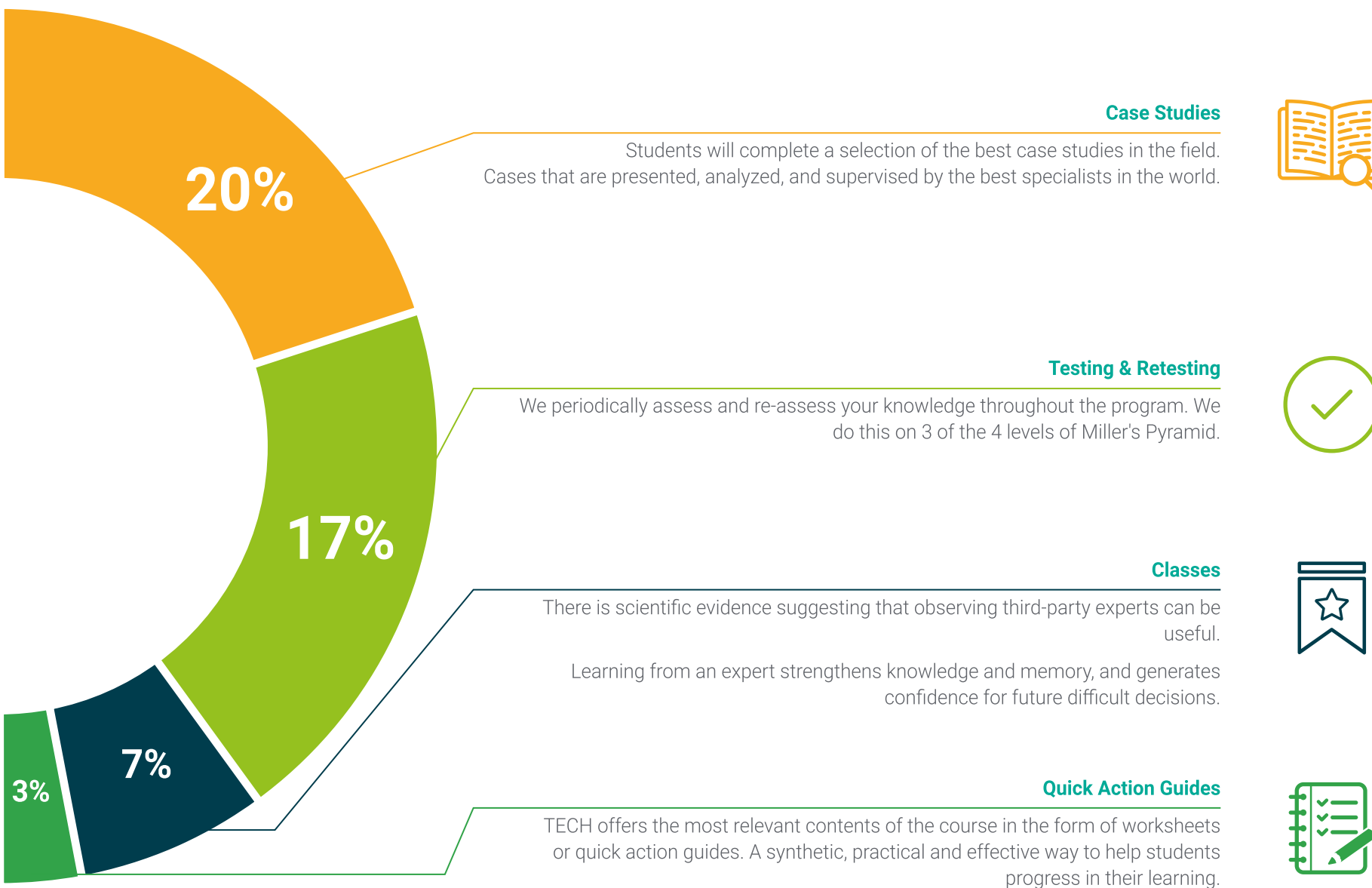
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





# 06 Certificate

This Postgraduate Certificate in Research and Innovation in Nursing in the Hospital Setting guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the Postgraduate Certificate 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 private qualification will allow you to obtain a diploma for the **Postgraduate Certificate in Research and Innovation in Nursing in the Hospital Setting** 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** private qualification, 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 Certificate in Research and Innovation in Nursing in the Hospital Setting**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





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