

# Postgraduate Diploma Disaster Management for Nursing





## Postgraduate Diploma Disaster Management for Nursing

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

Website: [www.techtute.com/in/nursing/postgraduate-diploma/postgraduate-diploma-disaster-management-nursing](http://www.techtute.com/in/nursing/postgraduate-diploma/postgraduate-diploma-disaster-management-nursing)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 20*

05

Methodology

---

*p. 24*

06

Certificate

---

*p. 32*

# 01

# Introduction

Emergency situations, both in MVI and disasters, are common all over the world. Updating the knowledge of the professionals who care for them is essential to guarantee the quality of care and the efficient management of resources. This Postgraduate Diploma provides an opportunity for nursing professionals to update their knowledge and approach disaster management safely.





“

*The quality of care for people in emergency and disaster situations is conditioned by the updating of the knowledge of the professionals who care for them. Learn how to manage processes, identify and initially assist victims and coordinate their transport to specialized care centers"*

Terrorism, armed conflicts, seismic and climatological phenomena cause thousands of victims around the world every year, making it necessary to take a specific and in-depth approach to the management, organization and health care of catastrophes, as well as to have health care personnel with specialized training to be able to respond to these circumstances and to all those affected.

Nurses must know how to respond adequately to the evolution of scientific and technological knowledge and their scope of action in the different healthcare systems by constantly updating their procedures, both inside and outside the hospital environment, as well as in situations of multiple casualty incidents or NRBC (Nuclear, Radiological, Biological or Chemical) terrorism.

The health system must guarantee that nursing professionals are trained to meet this demand, and this is only possible through refresher programs focused on the latest trends and based on scientific evidence.

The European Society of Emergency Medicine believes that providing high quality emergency care requires nurses with specialized training in the emergency context, as this is the most effective way (in clinical and economic terms) to provide high quality care during the initial critical phases of emergency patient care.

This program is designed so that the nursing professional can update their knowledge and skills to deal with guarantees to the patient in an emergency situation in the out-of-hospital setting and manage the disaster context.

This **Postgraduate Diploma in Disaster Management for Nursing** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ♦ 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.
- ♦ Diagnostic and therapeutic innovations in treating patients in an emergency situation. Includes transport of the critically ill patient and NBC care protocols (nuclear, bacteriological and chemical)
- ♦ With special attention to nursing performance in multiple victim incidents (MVI)
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ♦ Includes theoretical lectures, questions to the expert, discussion forums on controversial issues and individual reflection papers.
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*Through this Postgraduate Diploma you will be able to update your knowledge in emergency patient care and disaster management, and thus improve the prognosis, reducing the sequelae and complications of the victims"*

“

*This Postgraduate Diploma may be the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in the management of emergencies and disasters, you will obtain a diploma from TECH Technological University"*

Its teaching staff includes leading nursing professionals, who bring to this training the experience of their work, as well as other professionals who specialize in the various fields of disaster management.

Thanks to its multimedia content developed with the latest educational technology, it will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the student will must try to solve the different professional practice situations that arise during the course. All this is supported by an innovative interactive video system developed by recognized experts in nursing care in out-of-hospital emergencies and with extensive teaching experience.

*This Postgraduate Diploma offers training in simulated environments, which provides an immersive learning experience designed to train for real-life situations.*

*It includes clinical cases to bring the program as close as possible to the reality of care in nursing.*



# 02

# Objectives

The Postgraduate Diploma in Disaster Management for Nursing is oriented towards a review of the main aspects of patient management in disaster situations, based on scientific evidence and the experience of renowned professionals.







“

*This training will give you a sense of security when taking decisions and providing care, which will help you grow both personally and professionally”*



## General Objective

---

- ◆ Update the nursing professional's knowledge on procedures for action in disaster and out-of-hospital emergency situations, with special emphasis on intervention in multiple-victim incidents

“

*Make the most of the opportunity and take the step to get up-to-date on the latest developments in Disaster Management for Nursing”*





## Specific Objectives

---

### Module 1. General Aspects

- ◆ Differentiate between the concepts of accidents, emergencies and disasters.
- ◆ Identify the fundamentals of emergency health care.
- ◆ Apply clinical and non-clinical professional skills in emergency and disaster medicine
- ◆ Understand the basic workings of an emergency coordination center.
- ◆ Differentiate new forms of bioterrorism

### Module 2. Hospital Emergency Services.

- ◆ Use medical records in the emergency department and understand the most relevant legal and ethical aspects of health care in emergencies.
- ◆ Prioritize, organize and manage patient care in the most efficient way through triage.
- ◆ Organize material and human healthcare resources in multiple casualty incidents and disasters.
- ◆ Implement disaster action plans with certainty.
- ◆ Know the main consequences and initial handling of CBRN (Chemical Biological Radiological Nuclear) risk situations.
- ◆ Establish the criteria and guidelines for appropriate and efficient communication between the various agents involved in the emergency and critical patient care systems

### Module 3. Emergency Services and Healthcare Transport

- ◆ Judiciously apply criteria for selecting the most appropriate mode of medical transport
- ◆ Describe the main characteristics of medical transport, its pathophysiology and the different EMS transport options.
- ◆ Analyze the risk management of transport for patients and staff.
- ◆ Identify the equipment and the communication systems in an EMS.
- ◆ Describe the concept of continuity of care and hospital transfer.
- ◆ Implement techniques for teamwork, motivation, leadership and dealing with uncertainty in situations.

03

# Course Management

The program includes in its teaching staff emergency nursing professionals of reference in the out-of-hospital and disaster management field, who pour into this training the experience of their work. Además han participado en la creación de los contenidos otros especialistas de reconocido prestigio que completan el programa de un modo interdisciplinar.





“

*Learn about the latest advances in the management of disasters and out-of-hospital emergencies from leading professionals”*

## Directeur invité international

Dr. Fadi Salah Issa has become one of the world's leading experts in the field of **Emergency Medicine**. For more than 20 years he has developed a tireless work in this subspecialty of **Urgencies and Emergencies**.

A work that starts from his performance as an emergency physician at the **King Faisal Specialist Hospital & Research Centre**, where he implemented a new system and rapid care facility that reduced waiting times for patients. This allowed him to improve care and more efficiently handle complex cases of oncology, transplant patients and congenital diseases. Thanks to his deep interest in providing the best healthcare response to disaster situations, Salah Issa has turned his efforts to academia and research, promoting specialized and continuous education for medical professionals.

In this regard, he is the **Director of Education for the Disaster Medicine Fellowship** at the **BIMC Medical Harvard Medical School**. A role that joins the co-supervision of the **European Disaster Medicine Thesis Board** at the **University of Eastern Piedmont**. His impact in this area has been positive, contributing to the better preparation of health workers. In addition, his concern for humanitarian work has led him to become involved in the **World Association of Disaster and Emergency Medicine (WADEM)**, where he serves as chairman of the special interest group against terrorism.

In this line, his scientific studies also include his analysis of **attacks on educational institutions**, the prevention of post-traumatic stress and the promotion of the resilience of healthcare personnel in the face of **COVID-19**, **anti-terrorist medicine** and the analysis of variability in the training of expatriate pre-hospital providers in Bahrain.



## Dr. Salah Issa, Fadi

---

- Emergency Physician specialized in Emergency Medicine
- Co-supervisor of the European Disaster Medicine Thesis Board at the University of Eastern Piedmont
- Director of Education for the BIMC Disaster Medicine Fellowship at Harvard Medical School BIMC Physicians
- Director of Disaster Preparedness Education Initiatives at Harvard Medical School BIDMC Physicians
- Research Fellowship in Disaster Medicine at Harvard Medical School
- Emergency Physician at King Faisal Specialist Hospital & Research Centre
- Team Leader and Emergency Physician at Armed Forces Hospitals-Southern Region, Khamis Mushayt, KSA
- Bachelor of Medicine and Surgery, University of Medicine and Pharmacology, Cariova, Romania
- Disaster Medicine and Emergency Management from Harvard Medical School Medical Doctors in BIDMC
- Master's Degree in Disaster Medicine from the University of Piemonte Orientale, Italy
- Chairman of the Counterterrorism Special Interest Group of the World Association of Disaster and Emergency Medicine (WADEM)
- Fellow of the Academy of Harvard Medical School

“

*Thanks to TECH, you will be able to learn with the best professionals in the world”*

## Guest Directors



### Ruiz López, Daniel

- ♦ Nursing Supervisor in the Adult Emergency Department of the La Paz University Hospital (Madrid)
- ♦ Diploma in Nursing (DUE), University School of Nursing, Cordoba
- ♦ Master's Degree in Nursing Management. Cardenal Herrera University
- ♦ University Expert in Nursing in the Hospital Emergency Department. Cardenal Herrera University
- ♦ University Expert in Management Skills for Nursing. Cardenal Herrera University
- ♦ University Expert in Quality Management for Nursing. Cardenal Herrera University
- ♦ University Expert in Management and Services Supervision for Nursing. Cardenal Herrera University
- ♦ University Expert in Direction and Management of Health Services for Nurses. Cardenal Herrera University
- ♦ Training Course for Trainers and Auditors in Triage Manchester. Spanish Triage Group



### Ms. Souto Novas, Ana María

- ♦ Emergency Supervisor at La Paz University Hospital
- ♦ University Diploma in Nursing from the Universidad Pontificia of Salamanca
- ♦ Master's Degree in Integration and Critical Problem Solving in Nursing from the University of Alcalá
- ♦ Degree in Social and Cultural Anthropology from the Autonomous University of Madrid
- ♦ Advanced Training in Dialysis Techniques for Nurses
- ♦ University Expert in Accidents and Emergencies from the Complutense University of Madrid.
- ♦ Training Course on Out-of-Hospital Emergencies from the Complutense University of Madrid
- ♦ University Expert in Management and Services Leadership for Nursing
- ♦ Priority Triage in the Emergency Department. Manchester System



## Co-Direction



### Roig D'Cunha-Kamath, Francisco Vicente

- ◆ Member of the Primary Care team at Lliria Health Center from June to October 2001.
- ◆ Member of the Primary Care team at Burjassot Health Center during the month of June, 2001.
- ◆ Member of the Primary Care team at Massanasa Health Center during the month of July, 2001.
- ◆ Attending physician in the Emergency Department at Requena General Hospital during the months of July and August, 2001.
- ◆ Attending physician in the Emergency Department at Valencia Clinical University Hospital from November 2001 to November 2003 as an attending physician on a continuous care contract with periods of full contract and from November 2003 to the present date on a full time contract.
- ◆ Doctor at Unión de Mutuas from December 2001 to June 2002.
- ◆ Doctor at the Parqueluz II Residence in Catarroja from its creation in 2002 until November 2003.
- ◆ Doctor of the Ascires group, currently in charge of the general medicine/family and community medicine office of the Ascires group in the Valencia area.

## Professors

### Ms. Gómez Lage, Laura

- ♦ Adult Emergency Supervisor at La Paz University Hospital
- ♦ Degree in Nursing from the Complutense University of Madrid
- ♦ University Expert in the Nursing Processes and Interventions of Pediatric Patients in Life Threatening Situations
- ♦ University Expert in the Emotional Development and Upbringing of a Child
- ♦ Pharmacology Residency in Emergency Medicine
- ♦ Nursing Basics in Emergencies

### Ms. Chamizo Alberto, Leticia

- ♦ Nurse in the Emergency Services of La Paz University Hospital
- ♦ Diploma in Nursing from the Red Cross School, Autonomous University of Madrid
- ♦ Expert in Out-of-Hospital Emergency Care at the School of Health Sciences, Complutense University, Madrid
- ♦ Qualifying certificate for Manchester Triage at HU La Paz
- ♦ Basic Life Support and Advanced Life Support Course
- ♦ Course on Initial Care of the Polytraumatized Patient; Nursing action response to the main traumas of a polytraumatized patient and monitoring of the critically ill patient.





**Ms. Forés Rivas, Ana**

- ◆ Member of the Intensive Care Unit of the Dr. Peset University Hospital
- ◆ University Diploma in Nursing
- ◆ Diploma in Corporate Nursing
- ◆ Master's Degree in the Prevention and Treatment of Addictive Behaviors
- ◆ Technical Laboratory Specialist
- ◆ Certificate of Pedagogical Aptitude (CAP)
- ◆ Health and Community Foundation. 7/2006-2012 and 6/2017 until present

**Vega Vega, Luis**

- ◆ Nurse in the Emergency Services of HU La Paz
- ◆ Degree in Nursing from the Red Cross School
- ◆ Expert in out-of-hospital care and Master of Nursing in Emergency and Critical Care at the European University of Madrid
- ◆ University Expert in Comprehensive Management of Adults in Infectious Diseases Care Processes
- ◆ Instructor of Basic Life Support and First Aid
- ◆ Manchester Triage Enabling Course
- ◆ Active member of the Red Cross ERIE Health Care

**Dr. Brasó Aznar, José Vicente**

- ◆ Hospital Emergency Physician
- ◆ Associate Professor of Emergency Medicine at the Faculty of Medicine of the University of Valencia.
- ◆ Head of Department Emergency Medicine. Ribera University Hospital

04

# Structure and Content

The structure of the contents has been designed by a team of professionals who recognise the implications of training in nursing for managing disasters, aware of the relevance of current training to treat the patient with severe conditions and are committed to teaching new educational technologies.





“

*This Postgraduate Diploma in Disaster Management for Nursing contains the most complete and up-to-date scientific program on the market”*

### Module 1. General Aspects

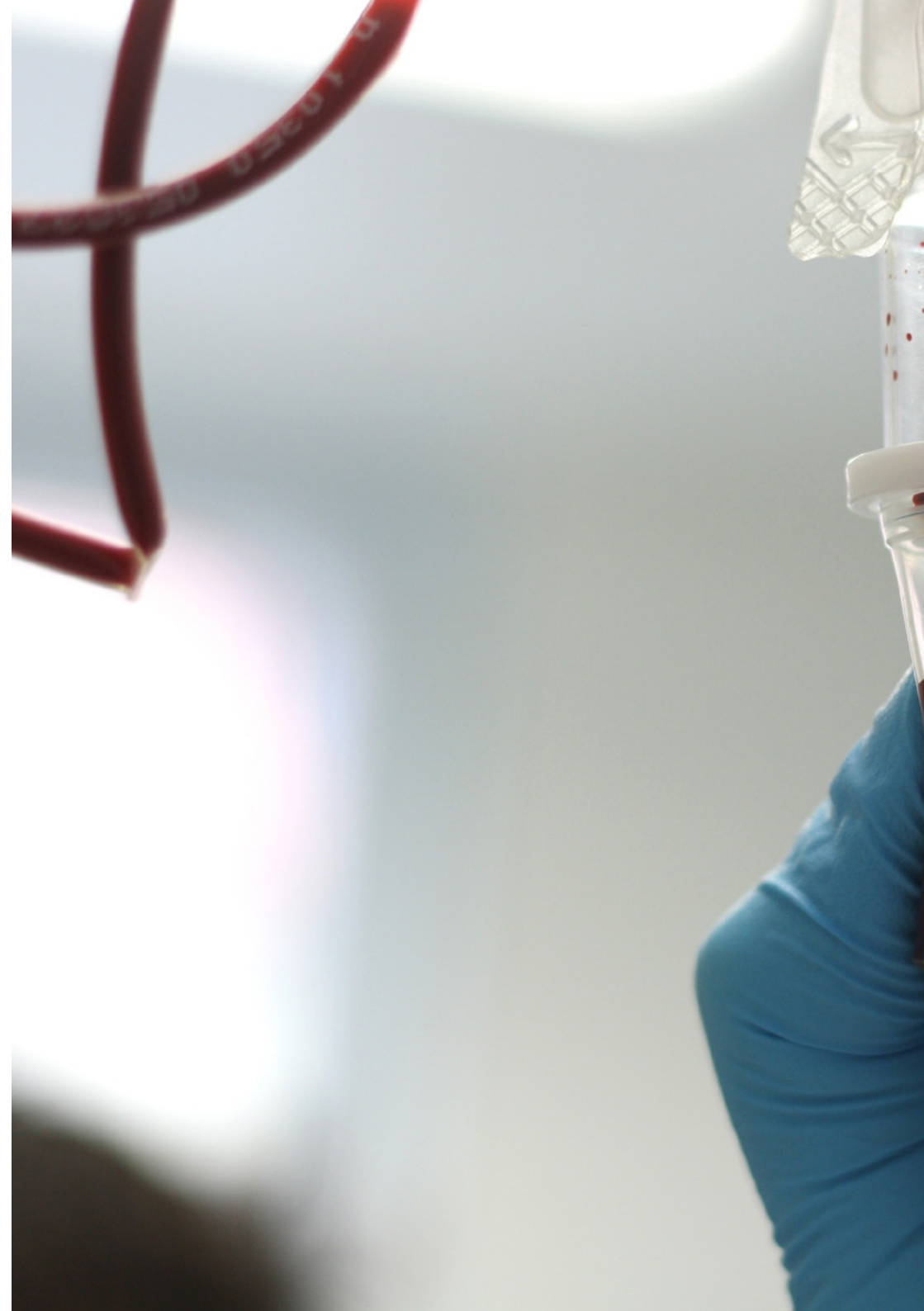
- 1.1. Definitions and Concepts.
- 1.2. Comprehensive Study of Health Emergencies
- 1.3. Bioethics and Legislation in Accidents and Emergencies
  - 1.3.1. Bioethics
  - 1.3.2. Legislation

### Module 2. Hospital Emergency Services.

- 2.1. Organization of Hospital Emergency Services
- 2.2. Nursing Records in the Emergency Department
- 2.3. Triage Systems in Hospitals

### Module 3. Emergency Services and Healthcare Transport

- 3.1. SEM Organization
- 3.2. Coordination and Health Regulation
- 3.3. Information and Record Systems
- 3.4. Types of Health Transport
  - 3.4.1. Intrahospital Transport
  - 3.4.2. Interhospital Transport
  - 3.4.3. Ground Medical Transport
  - 3.4.4. Air Medical Transport
- 3.5. Types of Out-of-Hospital Health Resources
- 3.6. Pathophysiology of Medical Transport and Transfer Positions
- 3.7. Patient Transfer. Models
- 3.8. Transport and Emergencies Legislation





“

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

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.







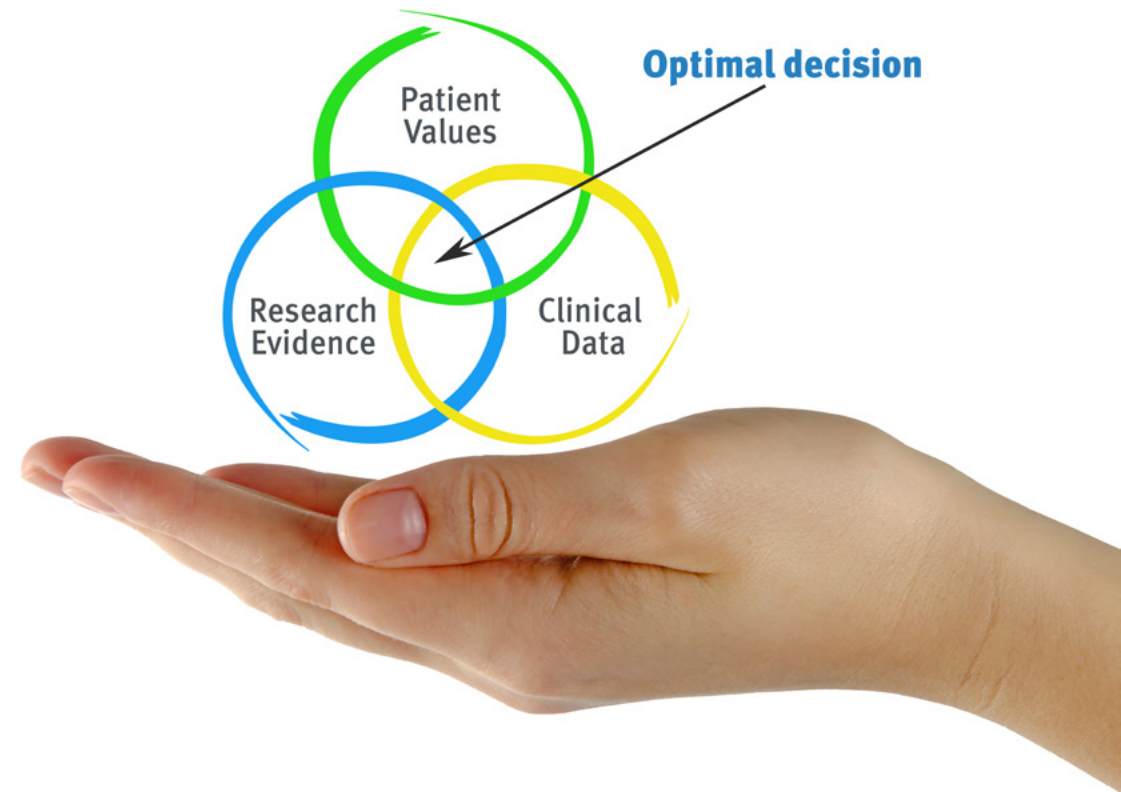
“

*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

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

*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 adapted in 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.

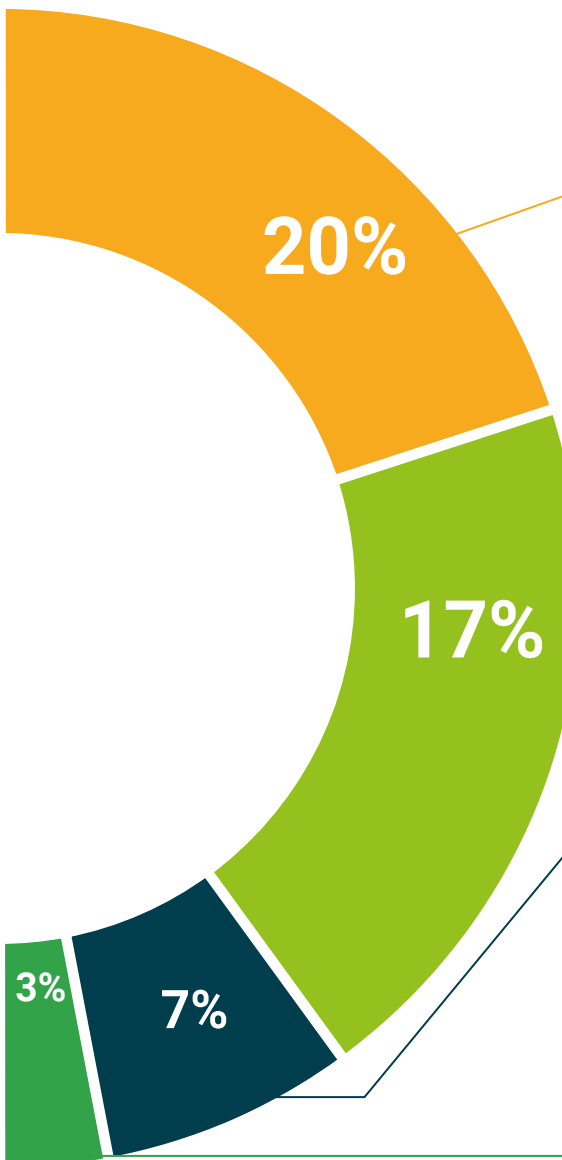
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### 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 Disaster Management for Nursing guarantees students, in addition to the most rigorous and up-to-date training, access to a Postgraduate Diploma issued by TECH Technological University.





“

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

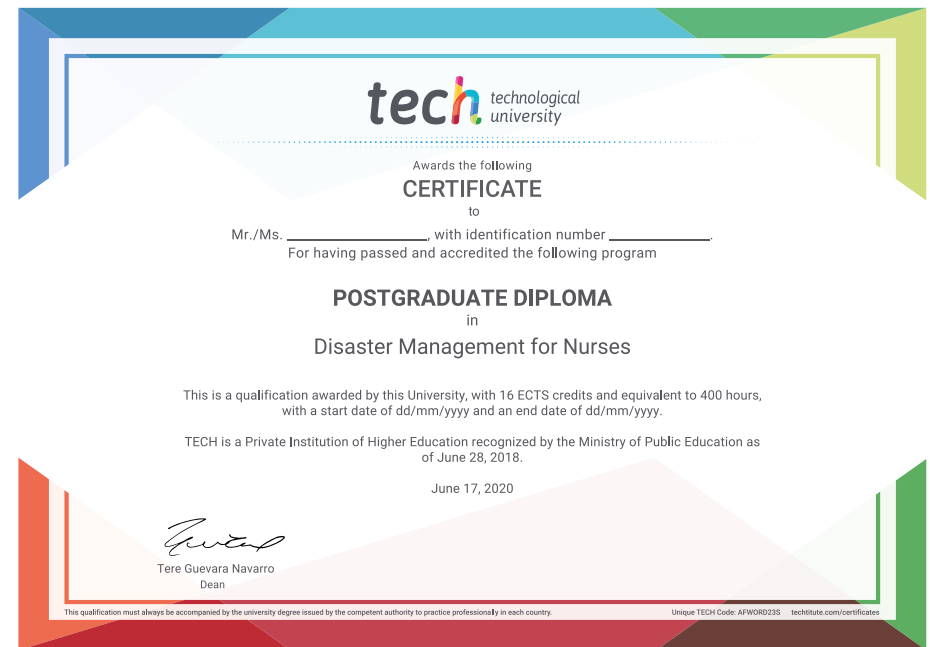
This **Postgraduate Diploma in Disaster Management for Nursing** contains the most complete and up-to-date scientific program on the market.

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

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

Title: **Postgraduate Diploma in Disaster Management for Nursing**

Official N° of Hours: **400 hours**.



\*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.

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



## Postgraduate Diploma

### Disaster Management for Nursing

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

# Postgraduate Diploma Disaster Management for Nursing

