

Postgraduate Diploma Forensic Toxicology for Nursing



Postgraduate Diploma Forensic Toxicology for Nursing

Course Modality: **Online**

Duration: **6 months.**

Certificate: **TECH - Technological University**

19 ECTS Credits

Teaching Hours: **475 hours**

Website: www.techtitute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-forensic-toxicology-nursing

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01

Introduction

The specialty of Forensic and Legal Nursing is highly demanded on an international level. Until now, it has been relatively unheard of in our country due to the reliance on similar professionals to determine the causality and culpability of certain events and individuals at the time of being prosecuted.

Many physicians and specialists wish to be trained in this field in order to expand or begin their training in the field of Forensic Science.





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

This Postgraduate Diploma combines scientific application with the practical side, while at the same time adapting to new technologies with the implementation of online specialist training.

It allows the student to learn the basic principles necessary for the study of forensic thanatology, forensic pathology, forensic sexology, forensic toxicology, forensic psychiatry, damage assessment, anthropology, and criminalistics.

The Postgraduate Diploma meets the needs of professionals who demand adequate knowledge to enable them to carry out forensic assessments and expert reports, as well as the ability and fluency to ratify their opinion and understand the stages of the legal proceedings when necessary.

At the same time, it offers the possibility for all students to learn how to assess not only bodily injury, but also to quantify negligence, assess disability, and determine disabilities.

Currently, law firms and private clients require a forensic expert examination for most of their procedures. It is for this reason, in addition to the lack of existing professionals, that we consider it appropriate to implement a correct, up-to-date, and especially useful syllabus for the daily practice of this activity.

The Postgraduate Diploma is divided into specific blocks that also coincide with the syllabus taught to those who wish to access Forensic Physician positions offered by the Ministry of Justice. This highlights the quality and scope of the content provided in the course.

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

- ◆ Development of more than 75 clinical cases presented by experts in Forensic Toxicology for Nursing.
- ◆ The graphic, schematic and eminently practical contents of which they are composed provide scientific and practical information on the disciplines that are essential for professional practice.
- ◆ Diagnostic-therapeutic innovations on evaluation, diagnosis and intervention in Forensic Toxicology for Nursing.
- ◆ Practical exercises where the self-evaluation process can be carried out to improve learning.
- ◆ Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- ◆ With special emphasis on evidence-based medicine and research methodologies in Forensic Toxicology for Nursing.
- ◆ All this will be complemented with theoretical lessons, questions to the expert, discussion forums on controversial topics and individual reflection papers.
- ◆ Content that is accessible from any fixed or portable device with an Internet connection.



Update your knowledge through the Postgraduate Diploma in Forensic Toxicology for Nursing, in a practical way and adapted to your needs"

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This Postgraduate Diploma may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge in Forensic Toxicology for Nursing, you will obtain a Postgraduate Diploma from TECH Technological University"

The teaching staff includes professionals from the field of Forensic Toxicology for Nursing, who bring their experience to this training program, as well as renowned 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 to train in real situations.

This program is designed around Problem Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. For this purpose, the physician will be assisted by an innovative interactive video system developed by renowned experts in the field of Forensic Toxicology for Nursing with extensive teaching experience.

Increase your decision-making confidence by updating your knowledge through this specialist course

Don't miss out on the opportunity to update your knowledge in Forensic Toxicology for Nursing in order to improve your patient care



02

Objectives

This Postgraduate Diploma in Forensic Toxicology for Nursing is aimed at facilitating physicians' work with all types of patients at serious toxicological risk or with acute intoxication.



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This Postgraduate Diploma is designed to help you update your knowledge in Forensic Toxicology for Nursing, with the use of the latest educational technology, to contribute with quality and confidence to decision-making, care, treatment, and patient support”



General Objectives

- Update the professional's knowledge with special training and interest in the field of Forensic and Legal Nursing.
- Promote work strategies based on a comprehensive approach to the expert witness as a reference model to achieve expert-level excellence.
- Encourage the learning of technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online workshops for simulation and/or specific specialization.
- Encourage professional stimulation through continued specialization and research.





Specific Objectives

- ◆ Expand general knowledge about this branch of nursing
- ◆ Conduct an in-depth study of cadaveric phases and phenomena.
- ◆ Know the disorders, personalities, and legal aspects of forensic psychiatry.

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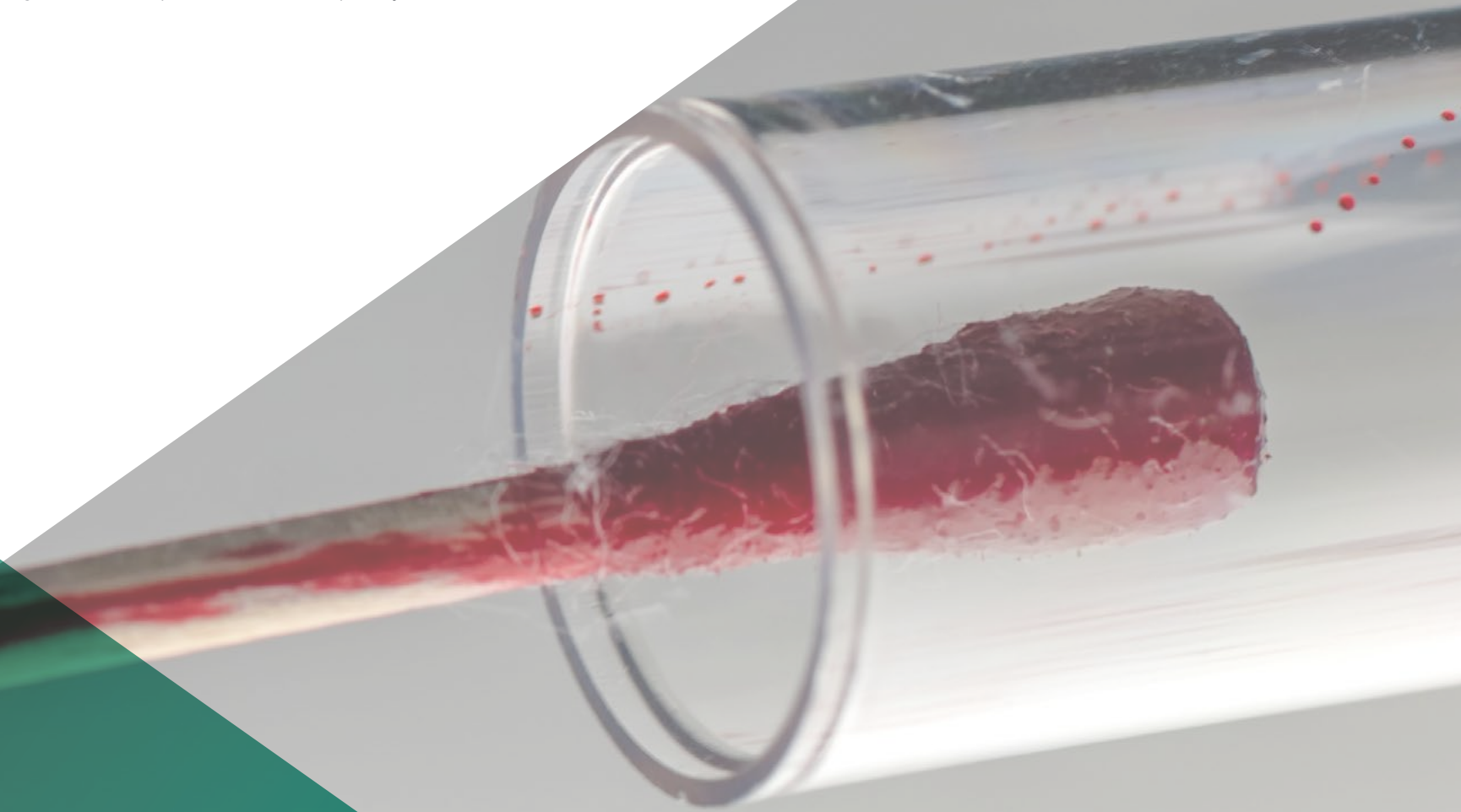
Make the most of the opportunity and take the step to get up-to-date on the latest developments in Forensic Toxicology for Nursing”



03

Course Management

The program's teaching staff includes leading specialists in Forensic Pathology for Nursing and other related areas, who bring their years of work experience to this training program. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.



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Learn about the latest advances in Forensic Toxicology for Nursing from leading professionals”

Professor- Coordinator

Aguirre Pastor, Verónica

- Legal and Forensic Expert in the Professional Association of Criminologists of Spain.
- Specialist in Pathological Anatomy at the Technical School of Specialist Education in the Community of Madrid.





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Learn from the best in the industry and benefit from their experience in the reality of this profession"

04

Structure and Content

The structure of the contents has been designed by a team of professionals from the best hospitals and universities in the country, who are aware of the relevance of up-to-date training to be able to intervene in the diagnosis, treatment and monitoring of forensic toxicology for nursing, and are committed to quality teaching through new educational technologies.





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

Module 1. Introduction to Forensic Nursing

- 1.1. Identification of Lesions
 - 1.1.1. Concept of the Problem
 - 1.1.2. Methodology
 - 1.1.3. Legal Applications of Expert Evidence
- 1.2. Role of Forensic Nurses
 - 1.2.1. Simulation
 - 1.2.1.1. Detection
 - 1.2.1.2. Simulation vs. Factitious Disorders
 - 1.2.2. Dissimulation
 - 1.2.2.1. Detection
 - 1.2.3. Syndromes
 - 1.2.3.1. Münchhausen Syndrome
 - 1.2.3.2. Münchhausen Syndrome by Proxy
 - 1.2.3.3. Medea Syndrome
- 1.3. Phytotoxicology
 - 1.3.1. Introduction
 - 1.3.2. Drug Intoxications
 - 1.3.3. General Phytotoxicology
- 1.4. Forensic Evidence Collection in Nursing
 - 1.4.1. Evidence Collection
 - 1.4.1.1. Blood
 - 1.4.1.2. Semen
 - 1.4.1.3. Hair
 - 1.4.1.4. Pollen
 - 1.4.1.5. Exudates (Other Samples)
 - 1.4.2. Storage and Transport of Samples
 - 1.4.2.1. Chain of Custody Concept
 - 1.4.2.2. Documentation
 - 1.4.2.2.1. Assessment Sheet
 - 1.4.2.2.2. Functional Patterns
 - 1.4.2.2.3. Needs
 - 1.4.2.2.4. Nurse's Report

Module 2. Forensic Pathology I

- 2.1. Mechanisms of Death in the Injuries
 - 2.1.1. Classification
 - 2.1.2. Destruction of Vital Centers
 - 2.1.3. Hemorrhage
- 2.2. Diagnosis of Death by Traumatic Shock or Embolism
 - 2.2.1. Concept
 - 2.2.2. Mechanism of Production
- 2.3. Multiorgan Dysfunction Syndrome
 - 2.3.1. Definition and Concept
- 2.4. Mechanisms of Natural Death
 - 2.4.1. Concept and Classification
- 2.5. Natural Death of Cardiovascular and Respiratory Origin
 - 2.5.1. Concept and Classification
- 2.6. Natural Death of Neurological Origin
 - 2.6.1. Concept and Diagnosis
- 2.7. Natural Death of Digestive and Metabolic Origin
- 2.8. Sudden Infant Death
 - 2.8.1. Classification
 - 2.8.2. Possible Disguised Deaths (Abuse)
- 2.9. Sudden Adult Death
 - 2.9.1. Concept and Classification
- 2.10. Study of Contusions
 - 2.10.1. Signs of Struggle
 - 2.10.2. Signs of Defence
- 2.11. Stab Wounds
 - 2.11.1. Types of Wounds
 - 2.11.2. Mechanism of Production
- 2.12. Gunshot Wounds
 - 2.12.1. Types of Wounds
 - 2.12.1.1. Entry Wounds
 - 2.12.1.2. Exit Wounds
 - 2.12.1.3. Mechanism of Production

- 2.13. Electrical Injuries
 - 2.13.1. Concept
 - 2.13.2. Mechanism of Production
- 2.14. Cold, Radiation, and Atmospheric Pressure Injuries
 - 2.14.1. Concept
 - 2.14.2. Classification
 - 2.14.3. Mechanism of Production
- 2.15. Heat Injuries and Burns
 - 2.15.1. Concept
 - 2.15.2. Classification
 - 2.15.3. Identification
- 2.16. Fire Injuries
 - 2.16.1. Concept
 - 2.16.2. Classification
 - 2.16.3. Identification
- 2.17. Blast Injuries
- 2.18. Major Disasters

Module 3. Forensic Toxicology

- 3.1. Introduction
 - 3.1.1. Etiology
 - 3.1.2. Mechanisms
- 3.2. Gas and Vapor Poisoning
 - 3.2.1. Concept
 - 3.2.2. Classification
 - 3.2.3. Diagnosis
- 3.3. Poisoning by Caustics, Metals, and Derivatives.
 - 3.3.1. Concept
 - 3.3.2. Classification
 - 3.3.3. Diagnosis

- 3.4. Alcohol and Solvent Poisoning.
 - 3.4.1. Concept
 - 3.4.2. Classification
 - 3.4.3. Diagnosis
- 3.5. Pesticide Poisoning
 - 3.5.1. Concept
 - 3.5.2. Classification
 - 3.5.3. Diagnosis
- 3.6. Drug, Food, Mushroom, and Venom Poisoning.
 - 3.6.1. Concept
 - 3.6.2. Classification
 - 3.6.3. Diagnosis
- 3.7. Autopsies in Poisoning Deaths.
 - 3.7.1. Concept
 - 3.7.2. Etiology
 - 3.7.3. Classification



A unique, key and decisive specialization to boost your professional development”

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. 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.



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 Postgraduate Diploma you will have access to the best educational material, prepared with you in mind:



Study Material

After a complex production process, we transform the best content into high-quality educational and audiovisual multimedia. We select the best syllabus and make it available to you. Everything you need to acquire in-depth knowledge of a discipline, from A to Z. Lessons written and chosen by specialists in each of the disciplines.



Surgical techniques and clinical procedures on video

We bring you closer to the newest techniques, to the latest scientific advances, to the forefront of the latest innovations in psychology. 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.



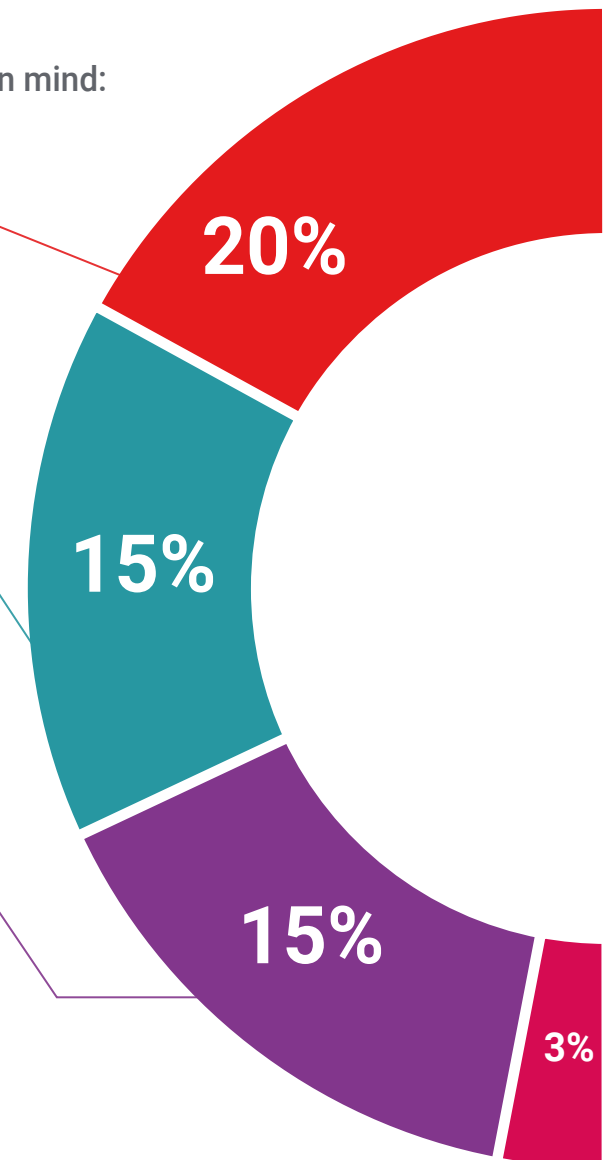
Interactive Summaries

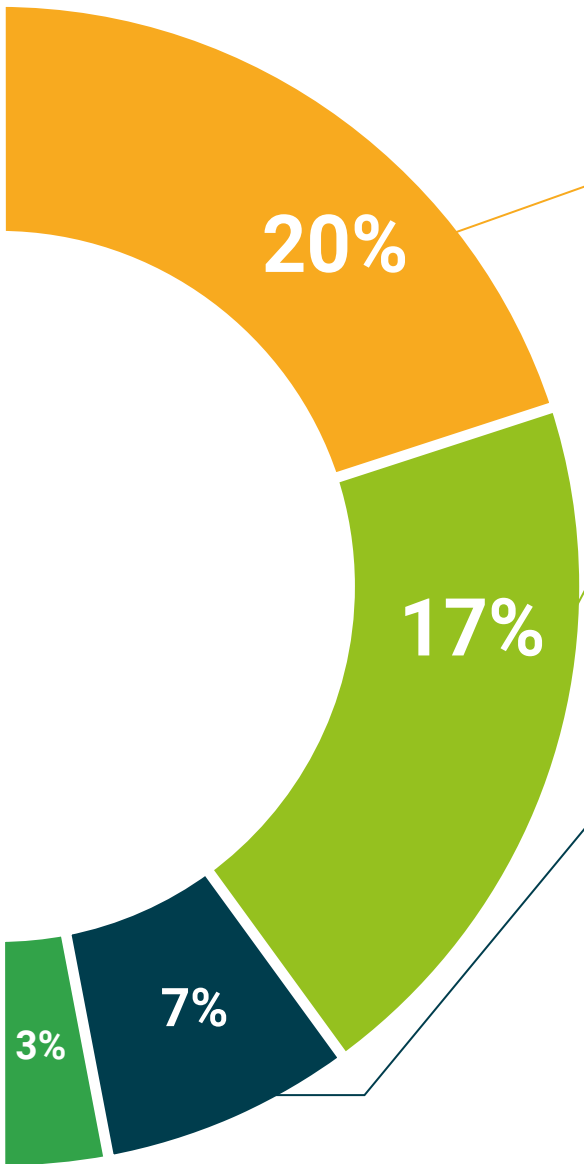
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge. This unique training system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





Expert-Led Case Studies and Case Analysis

Through the narratives of expert professionals, it is possible to acquire a high degree of understanding of the most frequent problematic situations. The professional's healthcare practice is not alien to the context in which it takes place. If we want to train ourselves to improve our professional practice, this training must be situated within the context in which it takes place.



Testing & Re-testing

We periodically evaluate and re-evaluate your knowledge throughout this program through activities and evaluative exercises.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful. Learning from an expert strengthens knowledge and recall, and generates confidence in our future difficult decisions.



Quick Action Guides

One of the most important functions of our team is to select those contents considered essential and present them in the form of worksheets or quick action guides to facilitate their understanding.



06

Certificate

The Postgraduate Diploma in Forensic Toxicology for Nursing guarantees, in addition to the most rigorous and up-to-date specialization, access to a Postgraduate Diploma issued by TECH Technological University.



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Successfully complete this specialization and receive your university qualification without travel or laborious paperwork”

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

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

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 Forensic Toxicology for Nursing

ECTS: 19

Official Number of Hours: 475



*Apostille Convention. In the event that the student wishes to have their paper diploma Apostilled, TECH EDUCATION will make the necessary arrangements to obtain it at an additional cost of €140 plus shipping costs of the Apostilled diploma.

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



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