

Postgraduate Diploma

Toxicology and Injury Assessment
in Forensic Medicine





Postgraduate Diploma

Toxicology and Injury Assessment in Forensic Medicine

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-toxicology-injury-assessment-forensic-medicine

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01

Introduction

The specialty of Legal and Forensic Medicine has been one of the most mistreated branches in recent years due to its complicated access via MIR, where it has not been accepted for years, but has continued to be necessary especially in the judicial field after the latest legislative changes. Many physicians and specialists wish to be prepared in this field in order to expand or begin their training in the field of Forensic Science.





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Improve your knowledge in Toxicology and Injury Assessment in Forensic Medicine through this program, where you will find the best didactic material with real clinical cases. Learn here about the latest advances in the specialty to be able to perform a quality medical practice"

This Postgraduate Diploma allows to unite the scientific application with the practical part already performed, adding at the same time an adaptation to the new technologies with the implementation of online 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 perform forensic assessments, expert reports as well as the ability and fluency to ratify the 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.

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

- ♦ Development of more than 75 clinical cases presented by experts in Toxicology and Injury Assessment in Forensic Medicine.
- ♦ The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional.
- ♦ Diagnostic and therapeutic developments on evaluation, diagnosis and intervention in Toxicology and Injury Assessment in Forensic Medicine.
- ♦ It contains practical exercises where the process of self-evaluation 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 Toxicology and Injury Assessment in Forensic Medicine.
- ♦ All this will be complemented with theoretical lessons, questions to the expert, discussion forums on controversial topics and individual reflection papers.
- ♦ Availability of the contents from any fixed or portable device with an internet connection.



Update your knowledge through the Postgraduate Diploma in Toxicology and Injury Assessment in Forensic Medicine program"

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This Postgraduate Diploma may be the best investment you can make in the selection of a training program for two reasons: in addition to updating your knowledge in Toxicology and Injury Assessment in Forensic Medicine, you will obtain a certificate from TECH Global University”

It includes in its teaching staff professionals belonging to the field of Toxicology and Injury Assessment in Forensic Medicine, who pour into this training the experience of their work, as well as recognized specialists belonging to scientific societies of reference.

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.

The design of this program is based on problem-based learning, by means of which the physician must try to solve the different professional practice situations that arise throughout the course. For this purpose, the physician will be assisted by an innovative interactive video system developed by recognized experts in the field of Toxicology and Injury Assessment in Forensic Medicine with extensive teaching experience.

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

Make the most of this opportunity to learn about the latest advances in Toxicology and Injury Assessment in Forensic Medicine and improve the care of your patients.



02 Objectives

The Postgraduate Diploma in Toxicology and Injury Assessment in Forensic Medicine is oriented to facilitate the performance of the physician in all types of patients at serious toxicological risk or with acute intoxication.



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This Postgraduate Diploma is designed for you to update your knowledge in Toxicology and Injury Assessment in Forensic Medicine, with the use of the latest educational technology, in order to contribute with quality and safety to the decision making, diagnosis, treatment and patient's support”



General Objectives

- Update the knowledge of the professional with special prepared and interest in the field of Legal and Forensic Medicine.
- Promote work strategies based on a comprehensive approach to the expert witness as a reference model in the achievement of expert excellence.
- Encourage the acquisition of technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online simulation workshops and/or specific training
- Encourage professional stimulation through continuing preparation and research.





Specific Module Objectives

- Define the different personality types of subjects.
- Describe the components of the antisocial personality.
- Define the different investigative techniques used in Forensic Medicine.
- Define the process for conducting Criminological Examinations.
- Define the parameters for determining certain aspects of the subject according to forensic anthropology.
- Describe the medical forensic aspects of opiate -and cocaine- related disorders.
- Define the medical forensic aspects of disorders related to cannabis and other drugs.
- Explain how to deal with Post-Traumatic Stress Disorder.
- Define the medical forensic aspects of personality disorders.
- Identify the toxicokinetics of herbicides and how to treat cases of acute intoxication.
- Explain the toxicokinetics of pyrethroids and insect repellents and how to treat cases of acute intoxication
- Identify the toxicokinetics of organochlorines and how to treat cases of acute intoxication.
- Explain the toxicokinetics of organophosphates and carbamates and how to treat cases of acute intoxication.
- Explain the toxicokinetics of substances for chemical submission and their treatment in case of acute intoxication.
- Identify the toxicokinetics of amphetamines and designer drugs and how to treat cases of acute intoxication.
- Explain the toxicokinetics of inhalants and how to treat cases of acute intoxication.
- Explain the toxicokinetics of ethanol and how to treat cases of acute intoxication
- Define the nature of offenses against sexual freedom and indemnity.
- Define the relevant aspects for the identification of possible aggressions.
- Define the relevant aspects for the identification of possible aggressors.
- Explain the mechanism of the most common vehicular traffic accident injuries.
- Define the mechanisms of death.



This Postgraduate Diploma is the best way to get you up to date on Toxicology and Injury Assessment in Forensic Medicine"

03

Structure and Content

The structure of the contents has been designed by a team of professionals from the best hospitals and universities in the national territory, aware of the relevance of current specialization in order to intervene in the diagnosis, treatment and monitoring of Toxicology and Injury Assessment in Forensic Medicine and committed to quality teaching through new educational technologies.





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This Postgraduate Diploma in Toxicology and Injury Assessment in Forensic Medicine, contains the most complete and up-to-date scientific program on the market”

Module 1. Update

- 1.1. Medical Expert Evidence in the Different Fields of Law
 - 1.1.1. Concept of Expert Evidence
 - 1.1.2. Sections of Expert Evidence
 - 1.1.3. Legal Applications of Expert Evidence
- 1.2. Forensic Medicine Systems in America and Europe
 - 1.2.1. Main Differences between Systems
 - 1.2.2. Legal Amendments between Countries
- 1.3. Expert Investigation and Method
 - 1.3.1. Research Techniques
 - 1.3.2. Research Limits
 - 1.3.3. Legal Aspects of Research

Module 2. Forensic Toxicology

- 2.1. Introduction
 - 2.1.1. Etiology
 - 2.1.2. Mechanisms
- 2.2. Gas and Vapor Poisoning
 - 2.2.1. Concept
 - 2.2.2. Classification
 - 2.2.3. Diagnosis
- 2.3. Poisoning by Caustics, Metals, and Derivatives
 - 2.3.1. Concept
 - 2.3.2. Classification
 - 2.3.3. Diagnosis
- 2.4. Alcohol and Solvent Poisoning
 - 2.4.1. Concept
 - 2.4.2. Classification
 - 2.4.3. Diagnosis
- 2.5. Pesticide Poisoning
 - 2.5.1. Concept
 - 2.5.2. Classification
 - 2.5.3. Diagnosis
- 2.6. Drug, Food, Mushroom, and Venom Poisoning
 - 2.6.1. Concept
 - 2.6.2. Classification
 - 2.6.3. Diagnosis
- 2.7. Autopsies in Poisoning Deaths
 - 2.7.1. Concept
 - 2.7.2. Etiology
 - 2.7.3. Classification



Module 3. Injury Assessment

- 3.1. Medical Assessment of Injury to the Person
 - 3.1.1. Injury Repair
- 3.2. Medical Assessment
 - 3.2.1. Deficiency
 - 3.2.2. Disability
 - 3.2.3. Handicap
- 3.3. Medical Assessment
 - 3.3.1. Other Criminal Injuries
- 3.4. Medical Assessment
 - 3.4.1. Other Civil Injuries (I)
- 3.5. Economic and Patrimonial Injuries
 - 3.5.1. Evaluation
 - 3.5.2. Understanding the Official State Gazette (BOE).
- 3.6. Medical Assessment
 - 3.6.1. Other Civil Injuries (II)
- 3.7. Medical Assessment
 - 3.7.1. Occupational Injuries
 - 3.7.1.1. Classification of Accidents
 - 3.7.1.2. Occupational Risk Prevention
 - 3.7.1.3. Negligence
- 3.8. The Medical Expert's Mission in Personal Injury Appraisal
 - 3.8.1. Evaluation Guide
 - 3.8.2. BOE
- 3.9. Methodology in the Valuation of Injury
 - 3.9.1. Evaluation Guide
 - 3.9.2. BOE
- 3.10. The Medical Report in the Valuation of Injury

04

Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

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 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 we use the Case Method

What should a professional do in a given situation? 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. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning 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, trying to recreate the real conditions in the physician's professional 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. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate 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.



Re-learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

This 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, a real revolution with respect to the mere study and analysis of cases.



Professionals will learn through real cases and by resolving 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, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a high socioeconomic profile and an average age of 43.5 years old.

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 (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.



Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and 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 the videos as many times as you like.



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 multimedia content presentation training Exclusive system 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 & Re-Testing

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 your goals.



Classes

There is scientific evidence on the usefulness of learning by observing experts: The system termed Learning from an Expert strengthens knowledge and recall capacity, and generates confidence in the face of difficult decisions in the future.



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.



05 Certificate

The Postgraduate Diploma in Toxicology and Injury Assessment in Forensic Medicine guarantees, in addition to the most rigorous and up-to-date training, access to a certificate issued by TECH Global University via tracked delivery.



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*Successfully complete this specialisation
and receive your certificate without travel or
laborious paperwork”*

This private qualification will allow you to obtain a **Postgraduate Diploma in Toxicology and Injury Assessment in Forensic Medicine** 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.

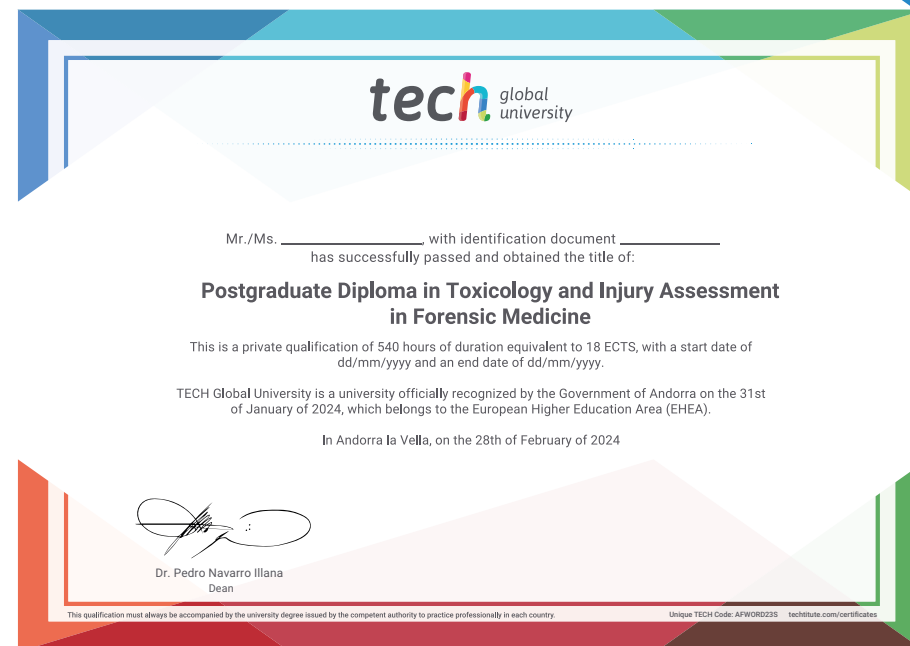
This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Toxicology and Injury Assessment in Forensic Medicine**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**



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



Postgraduate Diploma

Toxicology and Injury
Assessment in
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- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
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