

# Postgraduate Certificate

Veterinary Medicine Legislation.  
Pharmacovigilance





## Postgraduate Certificate Veterinary Medicine Legislation. Pharmacovigilance

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

Website: [www.techtitute.com/us/veterinary-medicine/postgraduate-certificate/veterinary-medicine-legislation-pharmacovigilance](http://www.techtitute.com/us/veterinary-medicine/postgraduate-certificate/veterinary-medicine-legislation-pharmacovigilance)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Study Methodology

---

*p. 20*

06

Certificate

---

*p. 28*

# 01

# Introduction

This program develops the legal framework applicable to veterinary medicinal products, offering the veterinarian an intensive tour through the basic state regulations and the European legal framework on veterinary medicinal products. An in-depth study that also includes that related to medicated animal feed and maximum residue limits.

A high quality program, offering the most advanced resources in online education, to guarantee the student an effective, real and practical learning that boosts their competencies to the highest level in this area of work.





“

*A revolutionary program for its teaching quality and contents that will give you the most up-to-date information on the legal framework that applies to the use of veterinary medicine"*



The activities of the Spanish Agency of Medicines and Health Products related to Veterinary Medicines will be shown with special attention to the Online Information Center of Veterinary Medicines (CIMA Vet).

The aspects related to the prescription, dispensing and supply of veterinary medicines will be developed exhaustively. It presents the veterinary prescription and its different variants with emphasis on the different types of prescription, roles and responsibilities of the different agents involved in the dispensing and supply of veterinary medicines.

The Postgraduate Certificate is based on the "One Health" approach to Veterinary Pharmacovigilance, since its role in the identification, quantification, evaluation, prevention and minimization of risks derived from the use of veterinary drugs is fundamental in Animal Health and Welfare as well as in Public Health.

We will study the different aspects covered: the safe use of veterinary medicinal products in animals, the safety of food of animal origin, the safety of people in contact with veterinary medicinal products and the safety in the environment.

The Spanish System of Pharmacovigilance of Veterinary Drugs (SEFV-VET), its operation and the roles, responsibilities and interrelationships of the agents involved will be examined. From the disease prevention approach, TECH will address the responsible and rational use of veterinary medicines and the importance given by the National Plan Against Antibiotic Resistance (PRAN) 2019-2021 in the prevention and control of antibiotic resistance.

This **Postgraduate Certificate in Veterinary Medicine Legislation.**

**Pharmacovigilance** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Innovative and up-to-date diagnostic techniques in infectious diseases and their application in daily clinical practice, including the use of cytology as a diagnostic tool in these diseases
- ♦ The most frequent and not so frequent pathologies of infectious origin in dogs from a practical and completely up-to-date point of view
- ♦ Infectious Pathologies oriented to the Feline Species, dealing extensively with all those of this species
- ♦ Vision "One Health", in which Zoonoses and their implications for public health will be reviewed
- ♦ Most frequent Infectious Pathologies of Dogs and Cats in the Tropics, with focus on Latin America. At present, there are no more exotic diseases and they should be included by the clinician in the differential diagnosis when the epidemiology allows to suspect them
- ♦ Prevention and management of all infectious diseases, including clinical, home and community settings



*A complete and efficient training course that will give you the broadest vision of the operation of the Spanish System of Pharmacovigilance of Veterinary Medicines"*

“

*A revolutionary program for its ability to reconcile the highest quality of learning with the most complete online Education”*

Its teaching staff includes professionals belonging to the field of Veterinary Medicine, who bring to this educational program the experience of their work, as well as renowned specialists from reference 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 specialist must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced psychology experts.

*A One Health approach, fundamental for the prevention and minimization of the risks of the use of drugs that becomes a great learning opportunity for the Veterinary Medicine professional.*

*Learn efficiently, with a real qualification objective, with this unique Postgraduate Certificate for its quality and price, in the online teaching market.*



# 02 Objectives

The Postgraduate Certificate aims to provide the student with the required competencies in relation to preclinical or clinical research of drugs used in veterinary medicine, and their application in the therapeutic use of drugs so that they can integrate into the professional field.





“

*Acquire the most comprehensive knowledge in the legal field that pertains to veterinary medication in a training created for excellence”*



## General Objectives

- Review the current legislation on veterinary pharmaceutical products
- Analyze aspects related to the prescription, dispensing and administration of veterinary pharmaceutical products
- Determine the importance of the responsible and rational use of medicines for global health

“

*A path to achieve education and professional growth that will propel you towards a greater level of competitiveness in the employment market”*





## Specific Objectives

---

- ◆ Consult and apply current regulations in a practical way in veterinary medicine
- ◆ Determine everything related to the veterinary prescription being able to make the appropriate prescription in each specific case
- ◆ Understand the roles and responsibilities of the various actors involved in the dispensing and supply of veterinary medicinal products
- ◆ Be able to make decisions regarding pharmacological treatments with an adequate benefit-risk ratio, or discontinue their use when this is not possible
- ◆ Examine the Guidelines for responsible use in different animal species and how to apply them appropriately in veterinary practice
- ◆ Examine the responsibility we have in the exercise of our professional work in the use of medicine in relation to animal health, human health and the environment
- ◆ Assume the importance of our decisions in the use of antimicrobials, in the prevention and control of antimicrobial resistance and know and follow the PRAN guidelines

**Lidocaína Iny. 2%**  
**Braun** 10 ml  
751/0602  
Lote: **0293B16**  
Cad.: **06 2012**  
**B | BRAUN** Via Parenteral

**Lidocaína Iny. 2%**  
**Braun** 10 ml  
751/0602  
Lote: **0293B16**



03

# Course Management

The teaching staff of this Postgraduate Certificate is formed by professionals specialized in the study of human and veterinary Pharmacology, with clinical experience in small and large animals. They have extensive and recognized teaching and research experience, with officially recognized six-year research periods, participation in numerous research projects and dissemination of their research both nationally and internationally in high impact journals, books and conferences.







“

*A unique opportunity to learn from internationally renowned professors, with teaching, clinical and research experience"*

## Management



### Dr. Santander Ballestín, Sonia

- ♦ Teaching Coordinator, Department of Pharmacology, University of Zaragoza, Spain
- ♦ Lecturer in the university course: "Introduction to Pharmacology: Principles for the Rational Use of Drugs" Basic Program of the University of Zaragoza
- ♦ Evaluation professor in: objective structured clinical evaluation of the degree in Medicine
- ♦ Degree in Biology and Biochemistry, specializing in the area of Pharmacology
- ♦ PhD with the European Degree from the University of Zaragoza
- ♦ Master's Degree in Environment and Water Management. Andalusia Business School
- ♦ Title of the doctoral program: Biochemistry and Molecular and Cellular Biology

## Professors

### Ms. González Sancho, Lourdes

- ♦ Health administration Pharmacist. Health Care Dept
- ♦ Pharmacist of Health Administration Dept. of Health and Consumer Affairs
- ♦ Food E-Commerce Course Directorate General of Public Health
- ♦ Food Composition Labeling and Claims Course. General Directorate of Public Health
- ♦ Antibiotic Resistance Course Directorate General of Public Health
- ♦ Biocides Regulatory Framework. Health Surveillance HPAI
- ♦ Recycling of Plastics and Contaminants in Food and Feed. General Directorate of Public Health
- ♦ Course on Audit Systems and Internal Auditing General Directorate of Public Health
- ♦ Degree in Pharmacy from the University of Valencia

### Ms. Abanto Peiró, María Dolores

- ♦ Pharmacist of Health Administration in Alcañiz
- ♦ Technical Agricultural Engineering, Literary University of Valencia
- ♦ Agricultural Research Projects at the Valencian Institute of Agrarian Research
- ♦ Assistant Pharmacist in Pharmacy Office
- ♦ Medical Visitor
- ♦ State Pharmacist in the Government Delegation of Aragon
- ♦ Inspection and control of drugs in public and judicial security
- ♦ Foreign Health Inspection
- ♦ Degree in Pharmacy

### Ms. Luesma Bartolomé, María José

- ♦ Veterinarian. Study Group on Prion Diseases, Vectorial Diseases and Emerging Zoonoses at the University of Zaragoza
- ♦ Study group of the University Research Institute
- ♦ Professor of Film and Anatomy. University degree: Complementary Academic Activities
- ♦ Professor of Anatomy and Histology University degree: Graduate in Optics and Optometry. University of Zaragoza
- ♦ Professor of Final Degree Project University Degree, Bachelor's Degree in Medicine
- ♦ Professor of Morphology. Development Biology University degree: Professional Master's Degree in Initiation to Research in Medicine. University of Zaragoza
- ♦ Doctor of Veterinary Medicine. Official Doctorate Program in Veterinary Sciences. University of Zaragoza
- ♦ Degree in Veterinary Medicine. University of Zaragoza

# 04

# Structure and Content

This Postgraduate Certificate provides all the necessary knowledge to be able to perform in the best possible way, the Pharmacology in Veterinary Medicine. It is important to take into account that the contents allow the student to obtain specialized knowledge of pharmacology, as well as the ability to deal with different solutions for veterinary pathologies. A complete and accessible journey that will make a difference in your career progression.





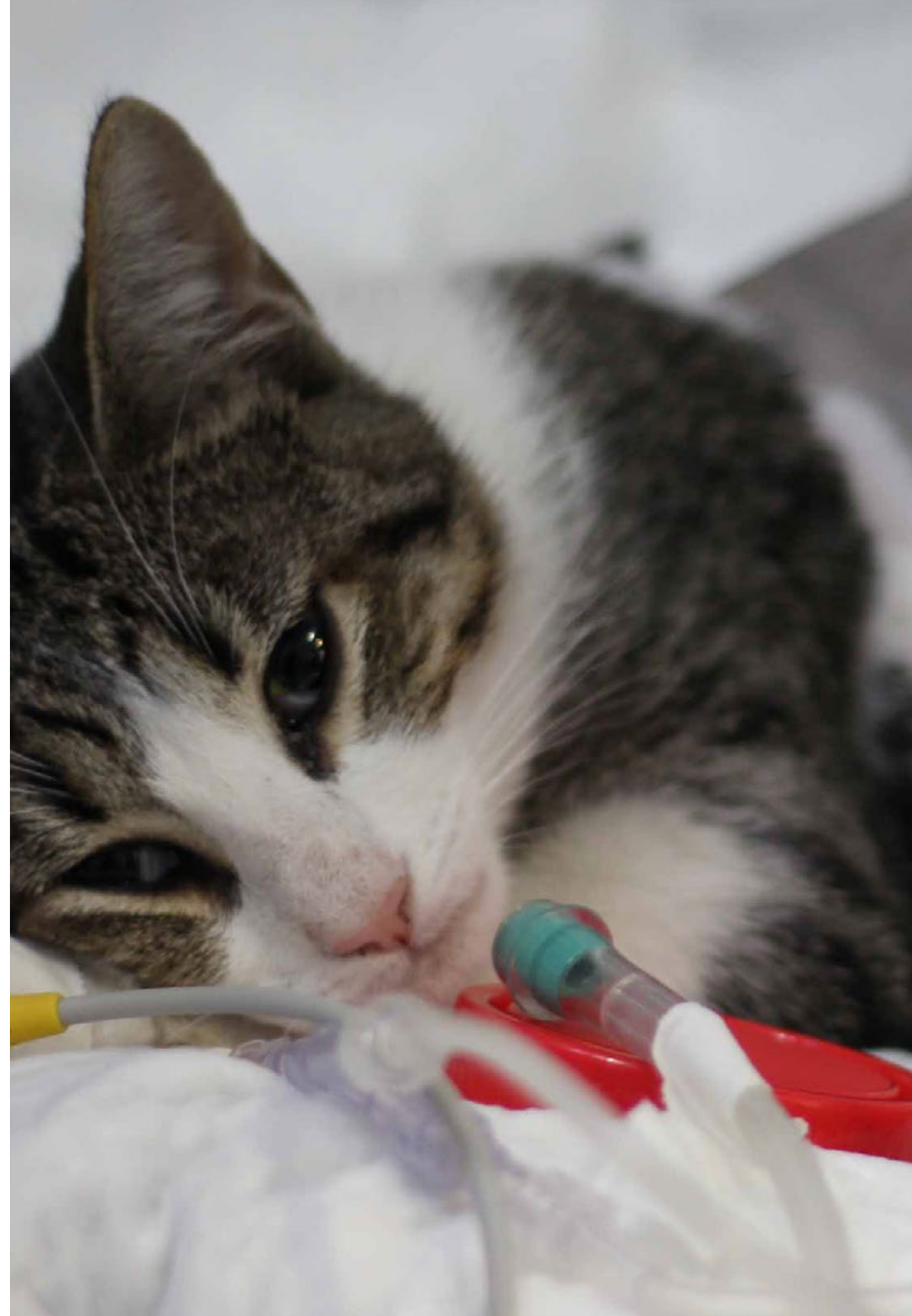


“

*A complete program that will take you through the comprehensive training necessary to intervene as a specialist in this field of work”*

## Module 1. Legal Framework of Medicine for Veterinary Use. Veterinary Pharmacovigilance

- 1.1. Prescription of Medicines for Animal Use
  - 1.1.1. Veterinary Prescription
  - 1.1.2. Ordinary Statute of Limitations
  - 1.1.3. Exceptional Requirements
  - 1.1.4. Prescription of Narcotic Drugs
  - 1.1.5. Prescription of Medicated Feed
- 1.2. Dispensing of Medicines for Animal Use
  - 1.2.1. Pharmacy Offices
  - 1.2.2. Livestock Entities or Groups
  - 1.2.3. Retail Commercial Establishments
  - 1.2.4. Emergency First Aid Kits
- 1.3. Supply of Medicinal Products for Animal Use to Veterinarians
  - 1.3.1. Professional Practice of Veterinary Medicine
  - 1.3.2. Availability of Veterinary Medicines
  - 1.3.3. Possession and Use of Medicinal Gases
- 1.4. Commercial Presentation and Information on Veterinary Medicinal Products
  - 1.4.1. Packaging and labeling
  - 1.4.2. Prospectus
  - 1.4.3. Information and Advertising
- 1.5. Veterinary Pharmacovigilance
  - 1.5.1. Introduction to Veterinary Pharmacovigilance. Glossary of Terms
  - 1.5.2. Risks Derived from Marketed Medicines
- 1.6. Veterinary Pharmacovigilance Animal Safety
  - 1.6.1. Safe Use of Veterinary Drugs in Animals
  - 1.6.2. Animal Welfare and Disease Prevention in Animals
  - 1.6.3. Guidelines for the Responsible Use of Large Animal Species: Animals for Slaughter
  - 1.6.4. Guidelines for Responsible Use of Companion Animal Species



- 1.7. Veterinary Pharmacovigilance III. Human Safety
  - 1.7.1. Adverse Effects of Veterinary Drugs on Humans
  - 1.7.2. Good Practices in the Use and Administration of Veterinary Medicine
  - 1.7.3. Protective Equipment for the Administration of Veterinary Pharmaceuticals
- 1.8. Veterinary Pharmacovigilance Safety of Foods of Animal Origin
  - 1.8.1. Residues of Veterinary Medicine in Products of Animal Origin
  - 1.8.2. Importance of the Routes of Administration in Waiting Times
  - 1.8.3. Maximum Residue Limits (MRL)
- 1.9. Veterinary Pharmacovigilance V. Antibiotic Resistance and Safety for the Environment.
  - 1.9.1. Importance of Responsible Use of Veterinary Antimicrobials to Prevent Antibiotic Resistance
  - 1.9.2. Categorization of Antibiotics for Veterinary Use
  - 1.9.3. Importance of the Responsible Use of Medicines for the Environment

“

*This program will allow you to advance in your career comfortably”*





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.





“

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

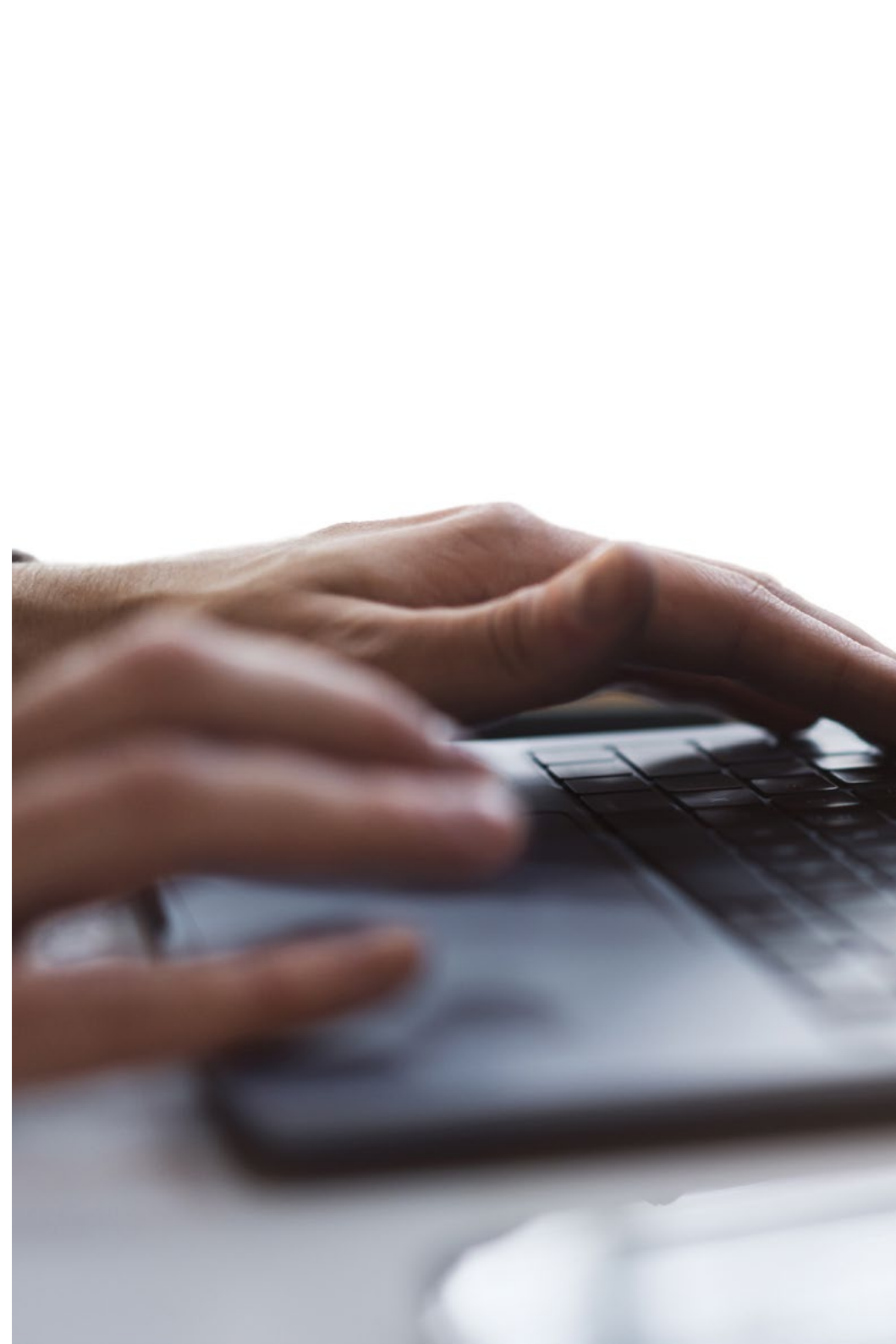
## The student: the priority of all TECH programs

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.

“

*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.

“

*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 quality of teaching, quality of materials, course structure and objectives is excellent. Not surprisingly, the institution became the best rated university by its students on the Trustpilot review platform, 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

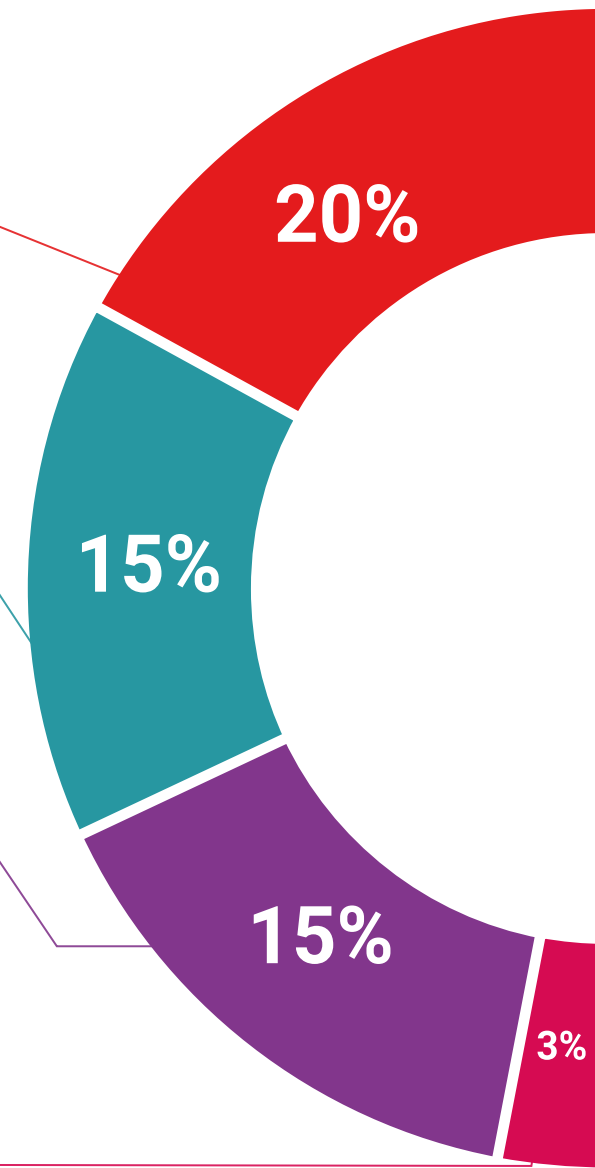
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

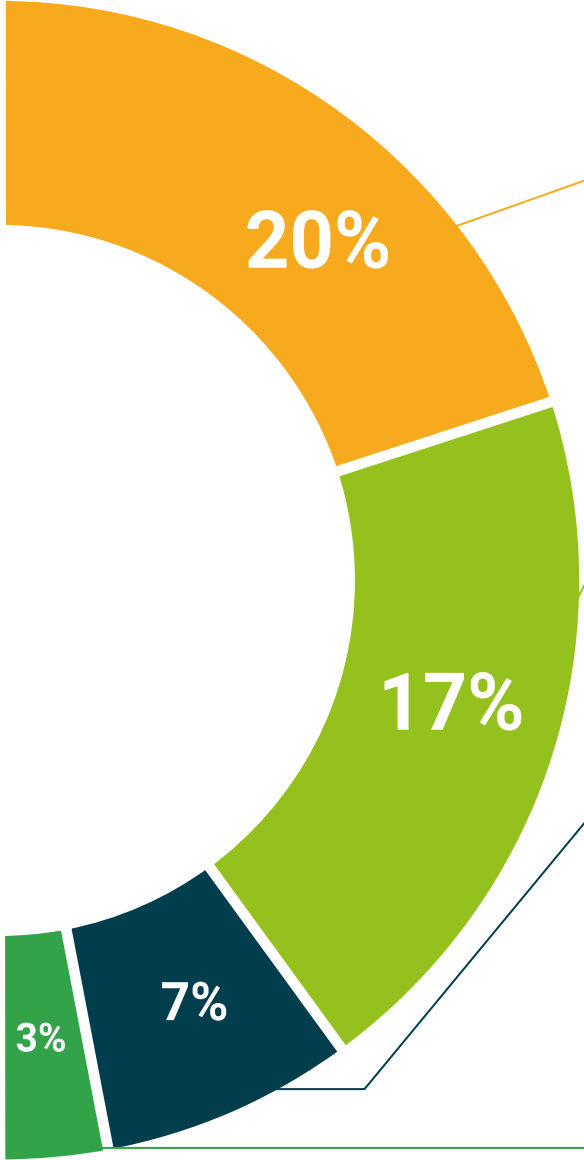


#### Additional Reading

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







**Case Studies**

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.



**Testing & Retesting**

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.



**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 for 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

This Postgraduate Certificate in Veterinary Medicine Legislation. Pharmacovigilance guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



“

*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 **Postgraduate Certificate in Veterinary Medication Legislation. Pharmacovigilance** 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 Veterinary Medicine Legislation. Pharmacovigilance**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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



**Postgraduate Certificate**  
Veterinary Medicine  
Legislation. Pharmacovigilance

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

# Postgraduate Certificate

Veterinary Medicine Legislation.  
Pharmacovigilance