



Postgraduate Diploma Feline Infectious Diseases

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/pk/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-feline-infectious-diseases

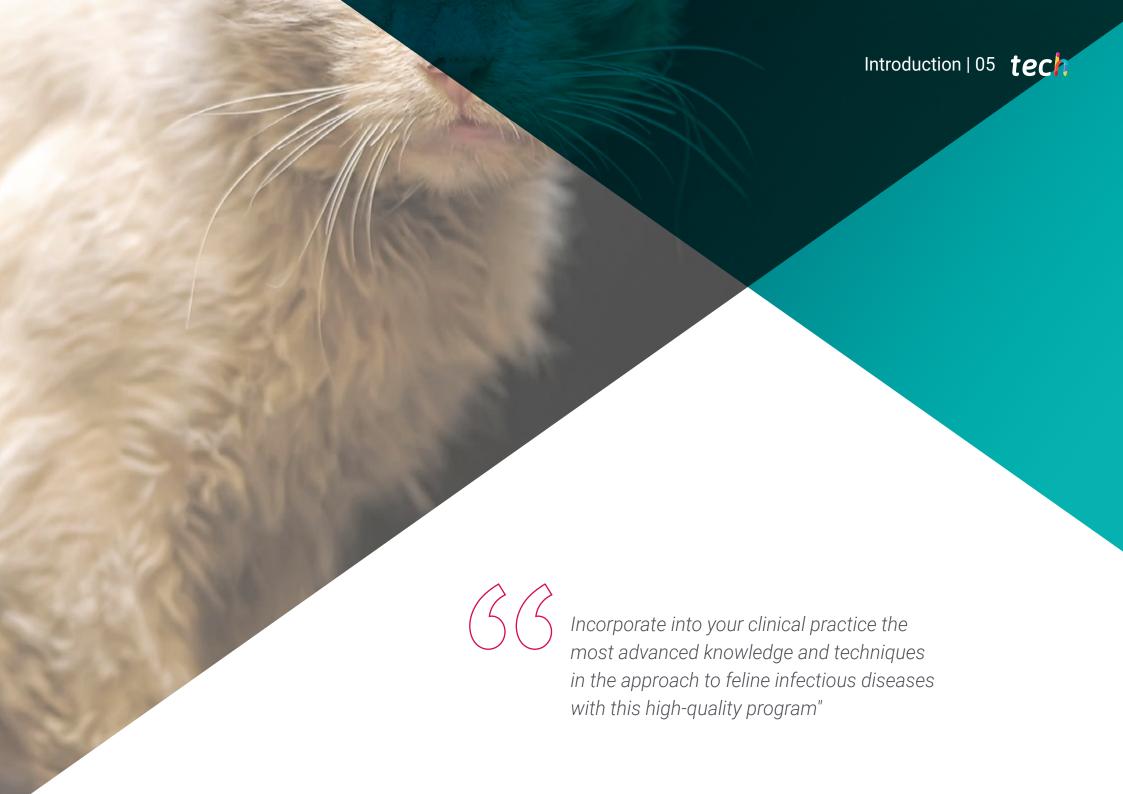
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This Postgraduate Diploma is a complete compilation of the knowledge that the veterinarian needs to intervene with total appropriateness in cases of infectious diseases in cats.

Enterobacteriaceae are one of the causes of gastrointestinal diseases in cats that include zoonotic bacteria of potential risk to the patient. To a lesser degree, we can find those produced by some species of algae, generating chronic conditions that affect the digestive system.

Viral diseases in the feline species are often difficult for the small animal veterinarian to deal with. Some diseases present typical clinical signs, while others have different manifestations and present pictures similar to other pathologies or even neoplasms.

Due to the particular characteristics of the cat, we find certain differences in approach with respect to the cat, such as specific bacteria of the feline species and typical bacterial and fungal clinical pictures. Among the parasites affecting the feline species, the clinic is always more familiar with those most frequently diagnosed and most prevalent. However, climate change, displacements and new diagnostic techniques are favoring the emergence of many diseases in areas where previously there were no reports, especially those diseases caused by external parasites and, in the case of vector-borne diseases, transmitted by some of those aforementioned parasites.

This **Postgraduate Diploma in Feline Infectious Diseases** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The latest technology in online teaching software
- Intensely visual teaching system, supported by graphic and schematic contents, easy to assimilate and understand
- Practical cases presented by practising experts
- State-of-the-art interactive video systems
- Teaching supported by telepractice
- Continuous updating and recycling systems
- · Autonomous learning: full compatibility with other occupations
- Practical exercises for self-evaluation and learning verification
- Support groups and educational synergies: questions to the expert, debate and knowledge forums
- · Communication with the teacher and individual reflection work
- Content that is accessible from any fixed or portable device with an Internet connection
- Supplementary documentation databases are permanently available, even after the program



Each and every area of knowledge needed regarding infectious diseases in cats, clearly, comprehensively and effectively presented"



An educational program based on the best working methods of the online educational panorama, revolutionary in the veterinary field"

Its teaching staff includes professionals belonging to the field of Veterinary Medicine, who bring to this 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 immersiveeducation programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced psychology experts.

Fully compatible with your daily life activities, it will allow you to learn in a constant and gradual way, at your own pace, without losing educational effectiveness.

High-impact program that will give you the qualifications you need to act as an expert in this field of work.







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General Objectives

- Analyze the most frequent clinical signs of viral diseases
- Establish the steps for a correct diagnosis and monitoring of the clinical evolution
- Determine the most effective therapies in each of the diseases, specific and supportive
- Generate specialized knowledge to carry out a correct follow-up of the feline patient with these diseases
- Examine the clinical picture suggestive of bacterial infection in cats
- Determine the presentations of mycotic infection in the feline species
- Establish diagnostic tests according to clinical suspicion
- Establish the antimicrobial therapy of choice depending on each pathology
- Examine the most frequent types of parasites in cats and their distribution
- Analyze when there is clinical suspicion of a parasitic infection
- Address the diagnostic techniques available for each pathology
- Develop the available treatments for parasitic infections approved for use in cats
- Determine the zoonotic potential of each feline parasitic disease





Specific Objectives

Module 1. Infectious Diseases in the Feline Species (I). Viral:

- Assess the possible routes of transmission and contagion of each disease
- Analyze the clinical manifestations of viral infections in cats
- Develop less typical presentations of some diseases
- Determine which diagnostic techniques are most appropriate and at what time of disease they should be done
- Clearly interpret laboratory findings within a viral disease program
- Examine the complementary tests necessary to diagnose the infection, establish appropriate therapy and establish a prognosis for the patient
- Analyze the assessed treatments, their degree of efficacy, adverse effects as well as new therapeutic perspectives

Module 2. Infectious Diseases in the Feline Species (II). Bacteria and Fungi

- Determine when there may be bacterial involvement in feline respiratory and ocular conditions
- Examine the types of systemic infections in cats and their manifestations
- Develop the pictures that can be produced by systemic fungal infections in cats
- Determine which type of test (cytology, culture, PCR) to carry out in each case
- Establish the best zone for sample collection
- Develop the limitations of diagnostic techniques in bacterial diagnosis
- Analyze diagnostic techniques for monitoring response to treatment
- Address the different antimicrobial treatments available for the feline species
- Generate specialized knowledge to choose the ideal treatment based on the antibiogram, the clinical response and the particularities of the patient

Module 3. Infectious Diseases in the Feline Species (III). Parasitic and Vector-Borne Diseases

- Examine the possible routes of transmission and contagion of each disease
- Analyze the clinical pictures associated with external and internal parasitosis
- Determine the diagnostic techniques available for each parasite
- Elaborate therapeutic protocols for each type of parasitic infection
- Design a plan of preventive measures to avoid contagion and re-infestations in their patients
- Develop the measures to be followed to avoid contagion from patients to their owners



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





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Management



Ms. Pérez-Aranda Redondo, María

- Head of the Dermatology Service at Symbiosis Center of Veterinary Specialties. Veterinarian at North Aljarafe Veterinary Center
- Dermatology and Diagnostic Cytology Service Manager
- Veterinary clinic of the Canitas Veterinary Center in East Seville
- Responsible for the Dermatology and Cytological Diagnosis Service of all Canitas Veterinary Centers
- Honorary Collaborator of the Department of Animal Medicine and Surgery in Dermatology
- Collaborating Student of the Department of Animal Medicine and Surgery in Dermatology

Professors

Dr. Laura López Cubillo

- Degree in Veterinary Medicine, Complutense University Madrid
- Postgraduate course in Diagnostic Imaging in small animals by the CEU Cardenal Herrera University of Valencia
- Attendance to congresses, courses and conferences on Internal Medicine, Feline Medicine,
 Diagnostic Imaging and Emergency and Intensive Care at national level
- Currently, resident at the Diagnostic Imaging Service of the Complutense Veterinary Hospital of Madrid
- Responsible for the Emergency Department at Gattos Feline Clinical Center Hospital
- Resident in the Internal Medicine, Diagnostic Imaging and Emergency Department at Gattos Feline Clinical Center Hospital
- Rotating internship at Gattos Hospital Feline Clinical Center

Dr. Cigüenza del Ojo, Pablo

- Onkos Director
- Clinical Veterinarian
- Degree in Veterinary Medicine from the Complutense University of Madrid certificate in Cytological Diagnosis of Dogs and Cats from the UCM
- Professional Master's Degree in Small Animal Clinical Oncology by Improve
- General Practitioner in Oncology by the European Veterinary School of Postgraduate Studies (EVSPS)

Dr. Juan Antonio Márquez Pérez

- Consultant veterinarian, interpretation of cytology and laboratory test results and laboratory tests, and management of analyzers in the Clinical Analytical Laboratory of Veterinary - ACVLAB-, Valencia, Spain
- Degree in Veterinary Medicine from the University of Cordoba
- Higher Technician in Pathological Anatomy and Cytology at IES Ribera del Tajo, Talavera de la Reina, Spain
- Dermatological conferences. AVETO. Speaker Carlos Vich Cordón. Toledo
- Oncology in daily clinical practice with Ricardo Ruano Barneda and Nacho Molina Angulo.
 AVETO
- Speaker at the Conference on Cytology and its usefulness in daily clinical practice, AVETO in Toledo

Mr. Melgarejo Torres, Cristian David

- University Professor Technical University of Marketing and Development. Department of Veterinary Sciences. San Lorenzo, Paraguay
- AGROFIELD S.R.L. Clinical and surgical care to dogs and cats. Branch Manager
- Veterinary Doctor. National University of Asuncion
- Professional Master's Degree in Animal and Veterinary Sciences. University of Chile
- PhD student Autonomous University of Barcelona
- Processing of COVID-19 Samples. National Animal Health and Quality Service (SENACSA)





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Module 1. Infectious Diseases in the Feline Species (I). Viral:

- 1.1. Feline Leukemia Virus (FeLV). Epidemiology and Etiology
 - 1.1.1. Situation in Europe and Latin America
 - 1.1.2. Etiopathogenesis and its Relation to Diagnosis
 - 1.1.3. Clinical Manifestations
- 1.2. Feline Leukemia Virus, Clinical Manifestations and Treatments
 - 1.2.1. Associated Pathologies
 - 1.2.2. Current Treatments. Evidence and Experience
- 1.3. Feline Immunodeficiency Virus (FIV)
 - 1.3.1. Etiopathogenesis
 - 1.3.2. Clinical Signs
 - 1.3.3. Diagnosis
 - 1.3.4. Diseases Associated with FIV Infection
 - 1.3.5. Current Treatments
- 1.4. Feline Coronavirus (FCoV) and Feline Infectious Peritonitis (FIP)
 - 1.4.1. Feline Coronavirus. Epidemiology, Etiopathogenesis and Clinical Signs.
 - 1.4.2. Pathogenesis of Feline Infectious Peritonitis (FIP)
 - 1.4.3. Clinical Presentations. Signs and Forms
- 1.5. Feline Infectious Peritonitis (FIP)
 - 1.5.1. Diagnosis: Combining Clinical and Techniques
 - 1.5.2. Supportive and Experimental Therapies
- 1.6. Feline Herpesvirus (FHV)
 - 1.6.1. Epidemiology
 - 1.6.2. Pathogenesis and its Relationship to Clinical Signs
 - 1.6.3. Clinical and Laboratory Diagnosis
 - 1.6.4. Supportive and Antiviral Treatments

- 1.7. Feline Calicivirus (FCV)
 - 1.7.1. Epidemiology
 - 1.7.2. Pathogenesis
 - 1.7.3. Clinical Pictures Associated with FCV and Systemic Virulent Calicivirus (SV-CVF)
 - 1.7.4. Laboratory Diagnosis
 - 1.7.5. Treatment of FCV-Associated Conditions
 - 1.7.6. Supportive Treatment of FCV-VS Infection
- 1.8. Feline Parvovirus (FPV)
 - 1.8.1. Epidemiology
 - 1.8.2. Etiopathogenesis and its Relationship to Clinical Signs
 - 1.8.3. Laboratory Diagnosis
 - 1.8.4. Supportive Treatment of Feline Panleukopenia
- 1.9. Rabies in Cats
 - 1.9.1. Epidemiology. Current Situation in Europe and Latin America
 - 1.9.2. Pathogenesis and Clinical Pictures
 - 1.9.3. Laboratory Diagnosis
 - 1.9.4. Treatment and Prevention
- 1.10. Other Viruses Affecting Cats
 - 1.10.1. Feline Spumavirus
 - 1.10.2. Papillomatosis
 - 1.10.3. Cowpox
 - 1.10.4. Morbillivirus
 - 1.10.5. Pseudorabies
 - 1.10.6. Avian Influenza (H3N2)
 - 1.10.7. SARS-CoV-2

Module 2. Infectious Diseases in the Feline Species (II). Bacteria and Fungi

- 2.1. Bacteria Affecting the Respiratory and Ocular Systems (I)
 - 2.1.1. Respiratory Mycoplasmas
 - 2.1.2. Chlamydiosis
 - 2.1.3. Bordetella Bronchiseptica
- 2.2. Bacteria Affecting the Respiratory and Ocular System (II)
 - 2.2.1. Pasteurella
 - 2.2.2. Pseudomonas
 - 2.2.3. Klebsiella Pneumoniae
 - 2.2.4. Escherichia Coli
 - 2.2.5. Actinomycosis and Nocardiosis
- 2.3. Bacteria Affecting the Digestive System
 - 2.3.1. Bacteria Affecting the Gastrointestinal Tract
 - 2.3.1.1. Campylobacteriosis
 - 2.3.1.2. Salmonellosis
 - 2.3.1.3. Chlostridiosis
 - 2.3.1.4. Escherichia coli
 - 2.3.1.5. Helicobacter
 - 2.3.2. Bacterial Cholangitis and Bacterial Cholangiohepatitis
- 2.4. Cutaneous Bacteria
 - 2.4.1. Streptococcus
 - 2.4.2. Staphylococcus
 - 2.4.3. Abscess-Forming Bacteria
 - 2.4.3.1. Nocardiosis
 - 2.4.3.2. Actinomycosis
 - 2.4.3.3. Rhodococcus
 - 2.4.4. Bacteria Involved in Bite Wounds
- 2.5. Bacteria Affecting the Nervous System
 - 2.5.1. Clostridium Tetani
 - 2.5.2. Clostridium Botulinum
 - 2.5.3. Escherichia Coli

- 2.6. Bacteria Affecting Other Organs. Nephrourinary, Cardiovascular and Systemic System
 - 2.6.1. Gram Positive Bacteria
 - 2.6.2. Gram Negative Bacteria
 - 2.6.3. Bartonellosis
 - 2.6.4. Leptospirosis.
 - 2.6.5. Management of the Feline Patient with Sepsis
- 2.7. Hemotropic Mycoplasma
 - 2.7.1. Etiopathogenesis
 - 2.7.2. Epidemiology
 - 2.7.3. Clinical Signs and Diagnosis
 - 2.7.4. Treatment
- 2.8. Mycobacteriosis
 - 2.8.1. Types of Infections
 - 2.8.1.1. Tuberculosis
 - 2.8.1.2. Mycobacterium Avium complex
 - 2.8.1.3. Feline Leprosy
 - 2.8.2. Diagnosis of Mycobacterial Infections
 - 2.8.3. Treatment of Mycobacterial Infections
- 2.9. Cutaneous Mycoses
 - 2.9.1. Dermatophytosis
 - 2.9.2. Malassezia Dermatitis
- 2.10. Systemic and Respiratory Mycoses
 - 2.10.1. Cryptococcosis
 - 2.10.2. Blastomycosis
 - 2.10.3. Aspergillosis and Penicilliosis
 - 2.10.4. Histoplasmosis
 - 2.10.5. Candidiasis
 - 2.10.6. Other Mycosis

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Module 3. Infectious Diseases in the Feline Species (III). Parasitic and Vector-Borne

3. I. Gulaneous Parasiles	3.1.	Cutaneous	Parasites	(
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- 3.1.1. Epidemiology: Review of the Current Situation in Europe and Latin America
- 3.1.2. Fleas
- 3.1.3. Lice
- 3.1.4. Ticks
- 3.2. Cutaneous Parasites (II)
 - 3.2.1. Mites
 - 3.2.1.1. Cheyletiella
 - 3.2.1.2. Trombicula
 - 3.2.1.3. Demodectic Mange
 - 3.2.1.4. Otodectic Mange
 - 3.2.1.5. Notohedral Mange
 - 3.2.1.6. Sarcoptic Mange
 - 3.2.2. Helminths
 - 3.2.2.1. Thelazia
- 3.3. Digestive Parasites (I). Trematodes and Cestodes
 - 3.3.1. Trematodes
 - 3.3.2. Cestodes
 - 3.3.2.1. Dipylidium
 - 3.3.2.2. Tapeworms
 - 3.3.2.3. Echinococcus
 - 3.3.2.4. Mesocestoides
- 3.4. Digestive Parasites (II). Helminths
 - 3.4.1. Ancylostoma
 - 3.4.2. Uncinaria
 - 3.4.3. Trichostrongylus
 - 3.4.4. Toxocara Cati
 - 3.4.5. Toxocara Canis
 - 3.4.6. Physaloptera





Structure and Content | 21 tech

3.5.	Dinestive	Parasites I	(III)	. Protozoa

- 3.5.1. Cryptosporidium
- 3.5.2. Isospora
- 3.5.3. Sarcocystis
- 3.5.4. Tritrichomonas
- 3.5.5. Giardia
- 3.5.6. Entamoeba
- 3.6. Respiratory Parasites
 - 3.6.1. Aleurostrongylus Abstrusus
 - 3.6.2. Oslerus
 - 3.6.3. Toxocara Cati
- 3.7. Toxoplasmosis
 - 3.7.1. Prevention
 - 3.7.2. Etiopathogenesis
 - 3.7.3. Clinical Signs
 - 3.7.4. Clinical and Laboratory Diagnosis
 - 3.7.5. Treatment
- 3.8. Vector-Borne Infectious Diseases I
 - 3.8.1. Bartonellosis
 - 3.8.2. Ehrlichiosis.
 - 3.8.3. Anaplasmosis
 - 3.8.4. Borreliosis
 - 3.8.5. Coxiellosis
- 3.9. Vector-Borne Infectious Diseases II
 - 3.9.1. Babesiosis.
 - 3.9.2. Cytauxzoonosis
 - 3.9.3. Hepatozoonosis
- 3.10. Vector-Borne Infectious Diseases III
 - 3.10.1. Leishmaniasis
 - 3.10.2. Dirofilariasis





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At TECH we use the Case Method

What should a professional do in a given situation? 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 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, in an attempt to recreate the actual conditions in a veterinarian's professional 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. Veterinarians who follow this method not only manage to assimilate concepts, but also develop their mental capacity through exercises to evaluate real situations and knowledge application
- 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.** The feeling that the effort invested is effective becomes a very important motivation for veterinarians, which translates into a greater interest in learning and an increase in the time dedicated to working on the course.





Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

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.

Veterinarians 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.





Methodology | 27 tech

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 more than 65,000 veterinarians have been trained with unprecedented success in all clinical specialties, regardless of the surgical load. Our teaching method is developed in a highly demanding environment, where the students have a high socio-economic profile and an average age of 43.5 years.

Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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 highly 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.



Latest Techniques and Procedures on Video

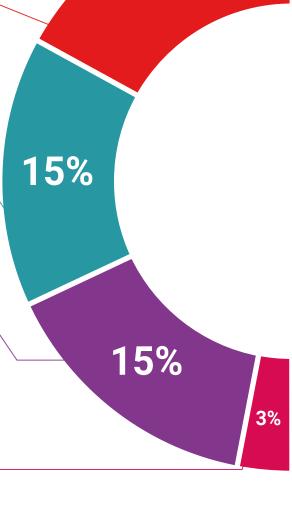
TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current and procedures of veterinary techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch 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 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.



Effective learning ought to be contextual. Therefore, TECH presents real cases in which

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.





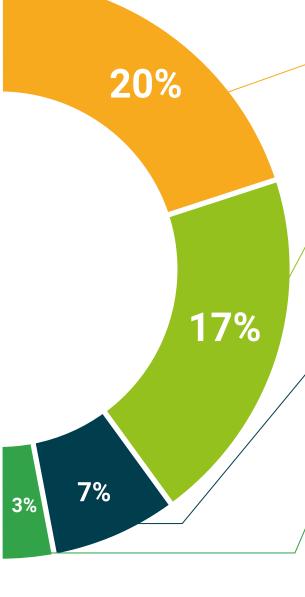
There is scientific evidence suggesting that observing third-party experts can be useful.

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.







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This **Postgraduate Diploma in Feline Infectious Diseases** 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 Feline Infectious Diseases
Official N° of Hours: **450 h.**



Feline Infectious Diseases

This is a qualification awarded by this University, equivalent to 450 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.

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^{*}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.

health confidence people education information tutors guarantee accreditation teaching institutions technology learning



Postgraduate Diploma Feline Infectious Diseases

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

