

Postgraduate Certificate

Ocular Manifestations of Systemic Diseases in Equids





Postgraduate Certificate Ocular Manifestations of Systemic Diseases in Equids

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

Website: www.techtute.com/us/veterinary-medicine/postgraduate-certificate/ocular-manifestations-systemic-diseases-equids

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01

Introduction to the Program

According to data published by the American Association of Equine Practitioners (AAEP), up to 30% of horses with systemic pathologies have obvious ocular signs, which highlights the importance of a comprehensive approach to diagnosis and treatment. Given this premise, TECH has developed this comprehensive program that will cover everything you need to excel in the competitive field of Equine Veterinary Medicine. Under a 100% online modality and with a completely updated curriculum, specialists will address the relationship between Systemic Diseases and Ocular Alterations, allowing them to identify and treat problems that could seriously compromise the health and welfare of animals. In addition, they will acquire updated and evidence-based tools to make accurate diagnoses and design effective treatments.



“

This 100% online postgraduate program will help you develop skills that will be fundamental to elevate your clinical practice and stand out as an expert in the competitive field of Equine Veterinary Medicine”

Ocular Manifestations of Systemic Diseases in Equids are of vital importance, as they can be indicative of serious underlying conditions that affect the overall health of the animal. Therefore, recognizing these conditions early not only allows for faster and more accurate diagnosis, but also facilitates appropriate intervention before the disease progresses or causes irreversible damage. In turn, understanding the connection between ocular alterations and systemic diseases will allow veterinarians to offer more complete and personalized treatments, improving equine quality of life and reducing long-term risks.

For this reason, TECH has developed this Postgraduate Certificate in Ocular Manifestations of Systemic Diseases in Equines, which will offer specialized and essential training in the diagnosis and treatment of related disorders. Throughout the program and through a theoretical-practical approach, professionals will know how to identify the first signs of pathologies that affect the vision of horses, from metabolic diseases to systemic infections, which will allow them to intervene early and effectively. Throughout the program and through a theoretical-practical approach, professionals will know how to identify the first signs of pathologies that affect the vision of horses, from metabolic diseases to systemic infections, which will allow them to intervene early and effectively.

In addition, they will master the interpretation of specific diagnostic tests and the integral management of diseases that affect the eyes and other systems of the organism, guaranteeing a global and effective vision in the treatment of animals. Thanks to this specialized knowledge, new doors will be opened in their careers, increasing their job opportunities and competitiveness in the animal health sector.

Likewise, the 100% online modality and the use of the innovative Relearning methodology will allow students to train in a dynamic and flexible way. This pedagogical approach will focus on the deep understanding of the contents, favoring the constant revision and application of the knowledge in order to ensure effective assimilation.

This **Postgraduate Certificate in Ocular Manifestations of Systemic Diseases in Equids** contains the most complete and up-to-date scientific program on the market.

The most important features include:

- ♦ The development of practical cases presented by experts with a deep mastery of Ocular Manifestations of Systemic Diseases in Equids
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



Transform your clinical approach to treat ocular manifestations in Equine Systemic Diseases! You will be trained 100% online with a program that adapts to your needs”

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*Flexible, interactive and efficient:
that's TECH training! You will have
Relearning and you will acquire solid
knowledge to face the challenges of
Veterinary Ophthalmology at your own
pace and with total dynamism”*

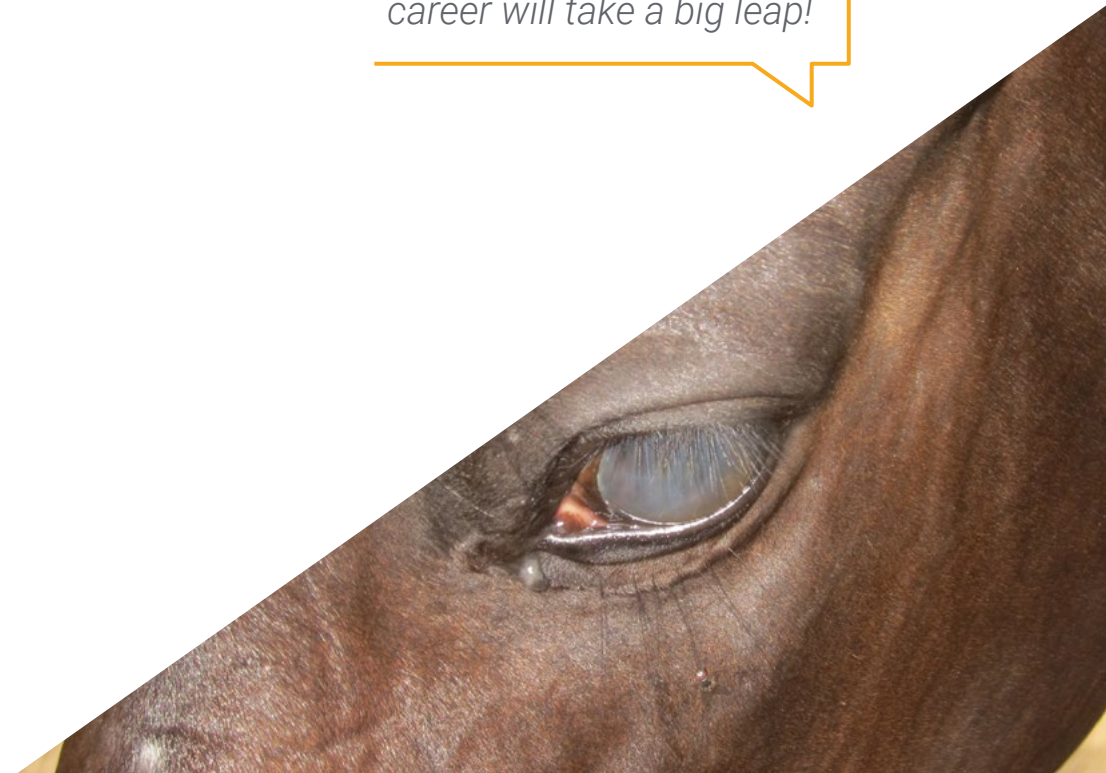
The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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 professional must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned experts.

*Thanks to the many advantages TECH
offers you, you will have the freedom to
organize your time, adapting the training to
your personal and professional needs.*

*You will be able to identify and treat
ocular manifestations of Systemic
Diseases with the support of
international experts. Your veterinary
career will take a big leap!*



02

Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs, available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it has a huge faculty of more than 6,000 professors of the highest international prestige.



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Study at the largest online university in the world and ensure your professional success. The future begins at TECH”

The world's best online university, according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

The best top international faculty

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.



The most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.



Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.



The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.



03 Syllabus

This program will provide professionals with an in-depth and up-to-date knowledge of vision disorders associated with Systemic Diseases in Horses. Through a comprehensive approach, they will know how to identify, diagnose and treat ocular pathologies that may arise as a result of metabolic, infectious and autoimmune disorders. Therefore, the curriculum will cover key topics such as equine ocular anatomy, pathophysiology of systemic conditions and state-of-the-art diagnostic techniques. In this way, graduates will develop key skills that will prepare them to manage complex cases confidently and effectively.



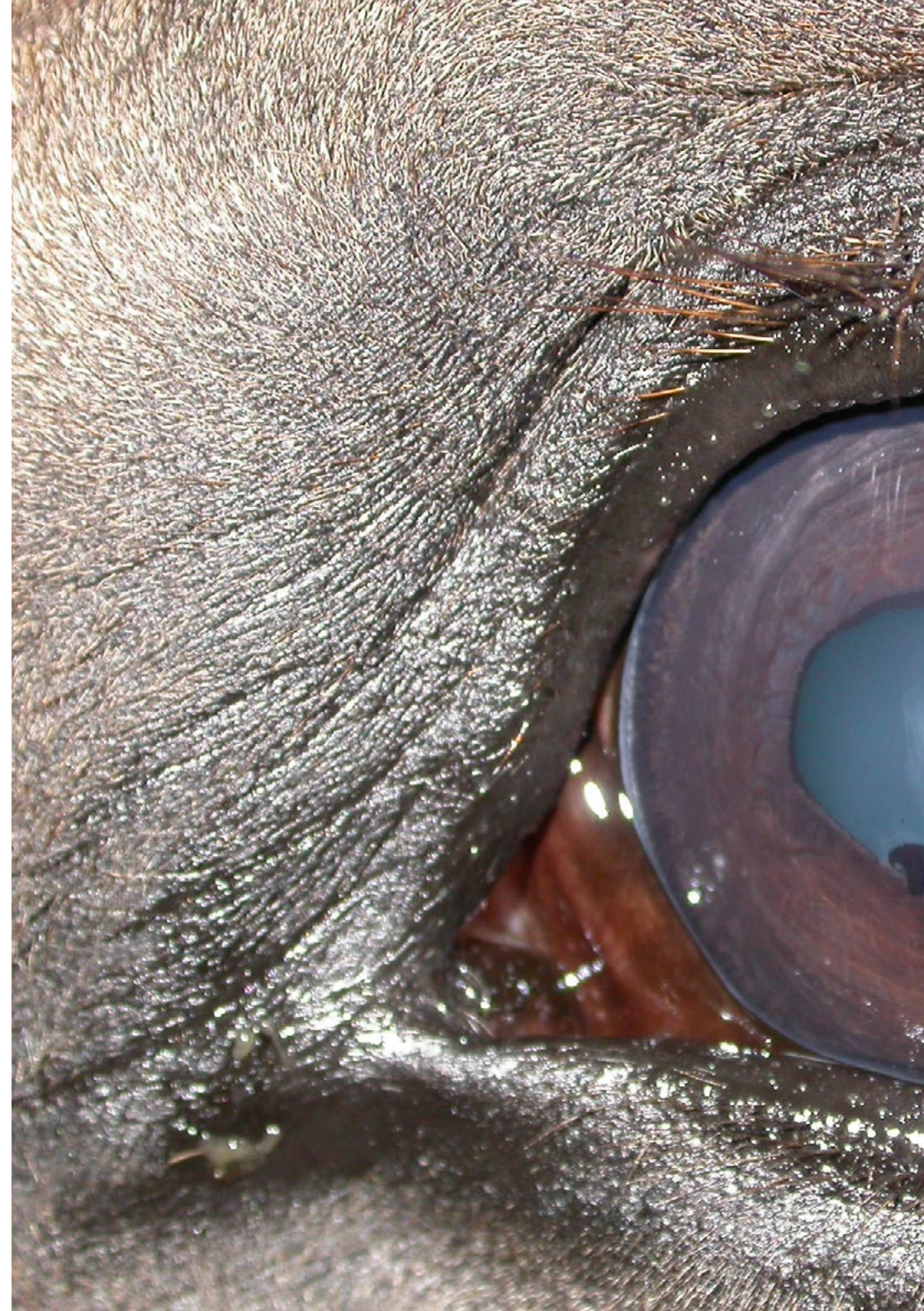


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Would you like to improve your clinical skills in Equine Veterinary Medicine? Backed by up-to-date tools and resources that optimize training, TECH will propel you to fulfill the goals you have”

Module 1. Ocular Manifestations of Systemic Diseases in Equids

- 1.1. Neuro-Ophthalmologic Diseases in Equids
 - 1.1.1. Equine Motor Neuron Disease
 - 1.1.2. Septic Meningoencephalitis
 - 1.1.3. Thiamine Deficiency
 - 1.1.4. Vestibular Disease
 - 1.1.5. Horner's Syndrome
 - 1.1.6. Tetanus
 - 1.1.7. Butulism
 - 1.1.8. Ischemic Neuropathy
 - 1.1.9. Intracranial Neoplasms
 - 1.1.10. Equine Polyneuritis
- 1.2. Viral Diseases in in Equids
 - 1.2.1. Equine Viral Arteritis
 - 1.2.2. Equine Infectious Anemia
 - 1.2.3. Rabies
 - 1.2.4. Equine Herpesvirus
 - 1.2.5. Adenovirus
 - 1.2.6. Equine Influenza
 - 1.2.7. West Nile Virus
- 1.3. Bacterial and Rickettsial Diseases in Equids
 - 1.3.1. Neonatal Septicemia
 - 1.3.2. Equine Infectious Anemia
 - 1.3.3. Mumps
 - 1.3.4. Rhodococcus equi
 - 1.3.5. Lyme Disease
 - 1.3.6. Brucellosis
 - 1.3.7. Leptospirosis
 - 1.3.8. Erlichiosis





- 1.4. Protozoal Diseases in Equids
 - 1.4.1. Babesiosi (Piroplasmosis)
 - 1.4.2. Toxoplasmosis
 - 1.4.3. Leishmaniasis
- 1.5. Fungal Diseases in Equids
 - 1.5.1. Cryptococcosis
 - 1.5.2. Epizootic Lymphangitis
 - 1.5.3. Aspergillosis
- 1.6. Parasitic Diseases in Equids
 - 1.6.1. Onchocerciasis
 - 1.6.2. Habronemiasis
 - 1.6.3. Echinococcus
- 1.7. Neoplasms in Equids
 - 1.7.1. Primary versus Metastatic Neoplasms
 - 1.7.2. Primary Periocular Neoplasms
 - 1.7.3. Neoplasms surrounding the Eye
- 1.8. Metabolic Diseases in Equids
 - 1.8.1. Metabolic Diseases in Equids
 - 1.8.2. Cushing's Disease
 - 1.8.3. Hypothyroidism
- 1.9. Toxic Diseases in Equids
 - 1.9.1. Toxic Diseases in Equids
 - 1.9.2. Intoxication by Ivermectin
 - 1.9.3. Intoxication by Plants
- 1.10. Immune System Diseases in Equids
 - 1.10.1. Isoerythrolysis Neonatal
 - 1.10.2. Pemphigus
 - 1.10.3. Systemic Lupus Erythematosus

04

Teaching Objectives

This Postgraduate Certificate is designed to provide the veterinarian with specialized knowledge in Ocular Manifestations of Systemic Diseases in Equids. In this way, they will specialize in the recognition and management of the ocular signs associated with these pathologies, a crucial skill to provide comprehensive diagnoses and effective treatments. At the same time, graduates will develop advanced skills in the interpretation of clinical signs, the use of state-of-the-art diagnostic tools and the application of specific therapeutic protocols.



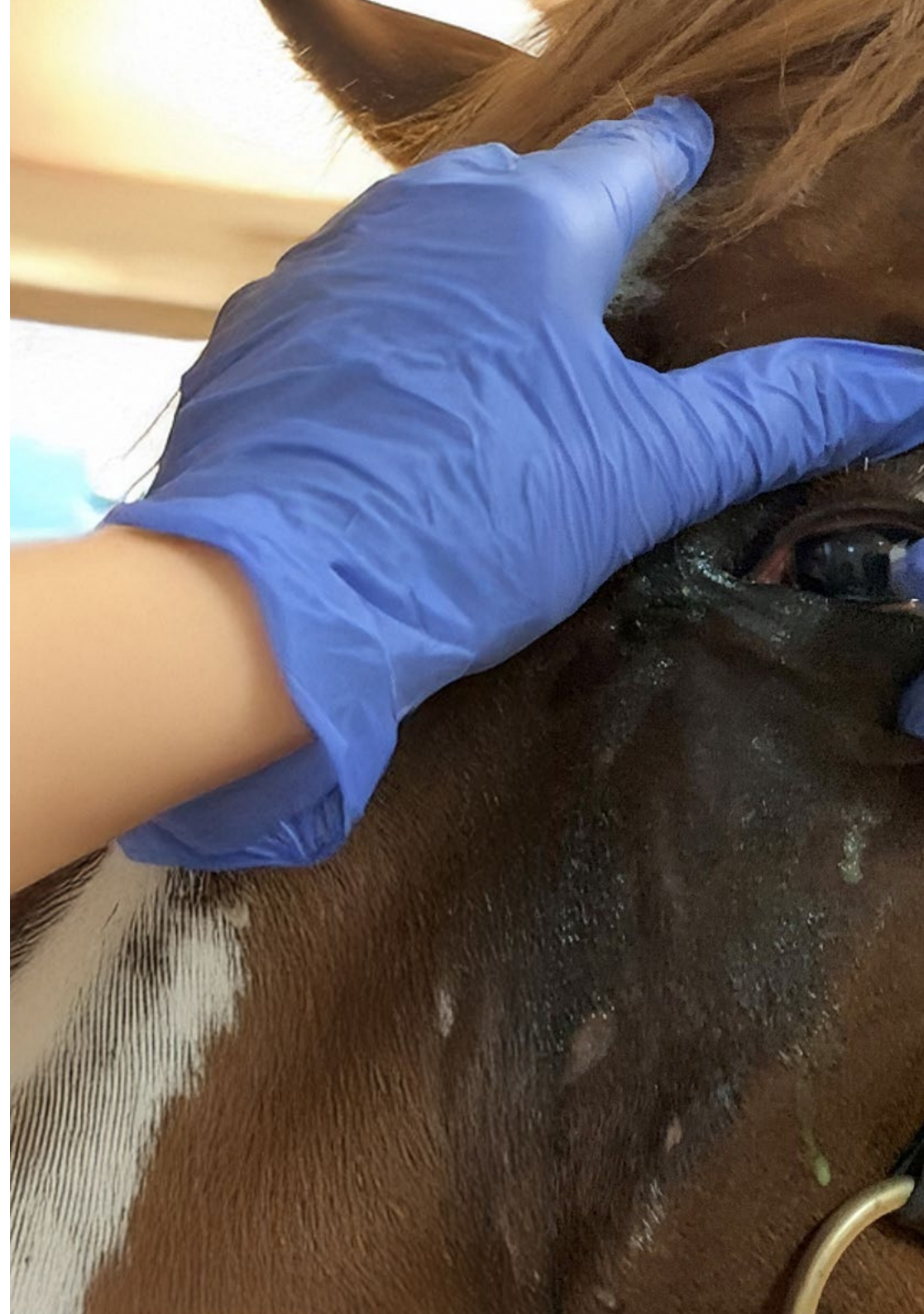
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Thanks to TECH and its effective academic preparation, you will not only strengthen your clinical skills, but also expand your leadership capacity in veterinary teams, contributing to the betterment of equines”



General Objectives

- ♦ Understand the relationship between systemic diseases and ocular manifestations in equids for a comprehensive diagnosis
- ♦ Identify ocular clinical signs associated with systemic pathologies using specialized assessment tools
- ♦ Apply advanced techniques in the differential diagnosis of ocular diseases in the systemic context
- ♦ Design effective treatment protocols based on scientific evidence to address these manifestations
- ♦ Analyze complex clinical cases integrating different affected systems in equines
- ♦ Incorporate state-of-the-art technologies in the evaluation and management of related ocular diseases
- ♦ Develop prevention and monitoring strategies in the management of ocular health in equids with systemic conditions
- ♦ Collaborate in multidisciplinary teams to improve clinical outcomes and promote holistic equine health





Specific Objectives

- ♦ Identify the ocular manifestations associated with common systemic diseases in equids
- ♦ Analyze the relationship between ocular pathologies and systemic alterations for an integral diagnosis
- ♦ Apply advanced techniques for the evaluation and treatment of ocular conditions associated with systemic diseases
- ♦ Design therapeutic strategies that address ocular manifestations without compromising the overall health of the equine



TECH focuses on providing you with a high-level academic environment, therefore, it offers you a syllabus designed by experts, complemented with the best academic tools in the market"

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.

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*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 teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, 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

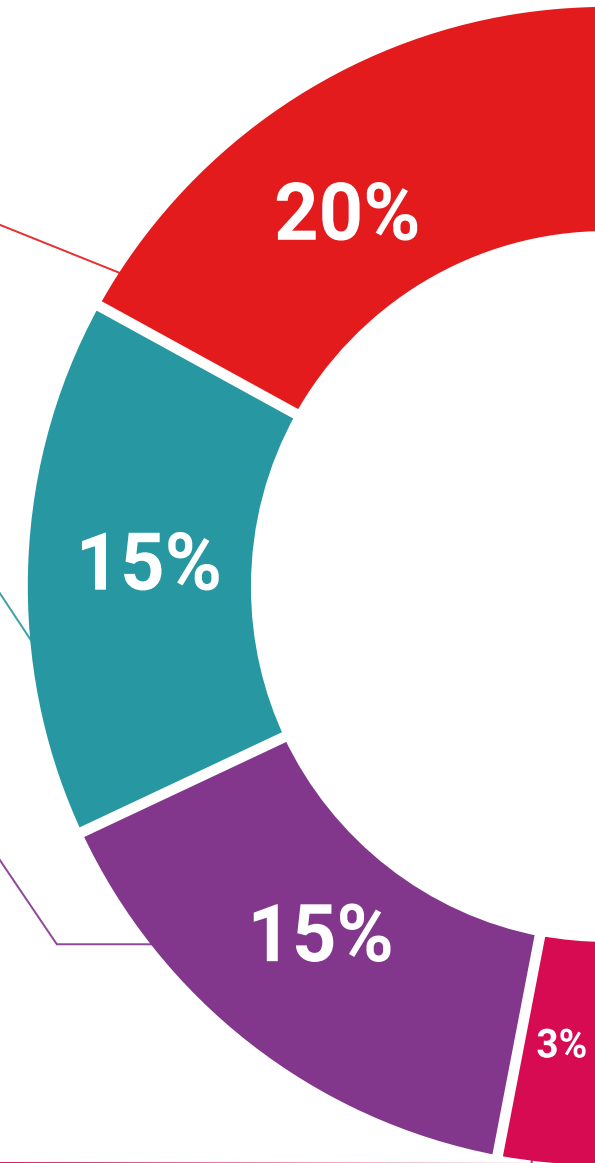
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

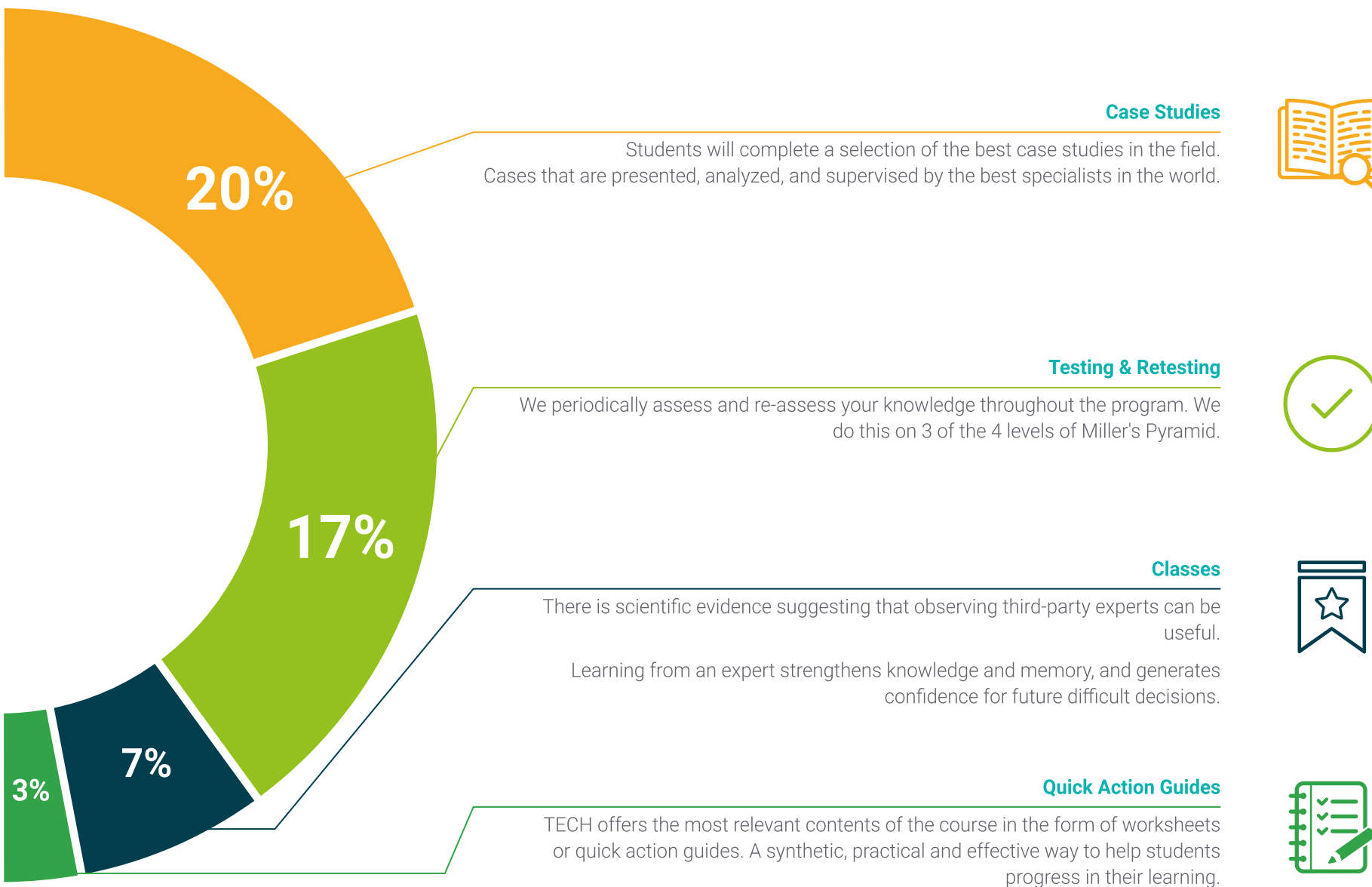
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





06

Teaching Staff

The teaching staff is made up of internationally renowned specialists in Veterinary Ophthalmology, with solid experience in the diagnosis and treatment of ocular manifestations associated with systemic diseases in equids. As such, the experts combine their clinical experience in hospitals and specialized centers with an outstanding academic work, which will allow them to offer a comprehensive and updated vision of the most recent advances in this area. Thanks to their didactic methodology and commitment to academic excellence, mentors will ensure that students receive high-level training, focused on the practical application of the knowledge acquired.



“

TECH not only provides you with the best academic content, but also with the guidance and support of industry experts”

Management



Dr. Arteaga Sancho, Kevin

- Senior Ophthalmologist at CityU VMC
- Expert in Basic Sciences in Ophthalmology from the University of California
- Specialist in Veterinary Ophthalmology from the University of Barcelona
- Master's Degree in Small Animal Medicine from the University of Murcia
- Degree in Veterinary Medicine from the CEU University of Valencia



Professors

Dr. Molina Choclán, Maribel

- ◆ Founding Partner of El Passeig Veterinary Center
- ◆ Specialist in Veterinary Ophthalmology by the UAB
- ◆ Specialist in Small Animal Veterinary Surgery by the UAB (Modules: Anesthesia and Basic General Surgery)
- ◆ Expert in Alterations of the Posterior Segment (CASP) by the UAB
- ◆ Degree in Veterinary Medicine from the Autonomous University of Barcelona
- ◆ Itinerant Ophthalmologist in Veterinary Clinics
- ◆ Member of: SEOVET and AVEPA - Working Group Ophthalmology



All teachers in this program accumulate extensive experience, offering you an innovative perspective on the main advances in this field of study"

07 Certificate

The Postgraduate Certificate in Ocular Manifestations of Systemic Diseases in Equids guarantees, in addition to the most accurate and up-to-date training, access to a Postgraduate Certificate issued by TECH Global University.



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*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 Ocular Manifestations of Systemic Diseases in Equids** 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.

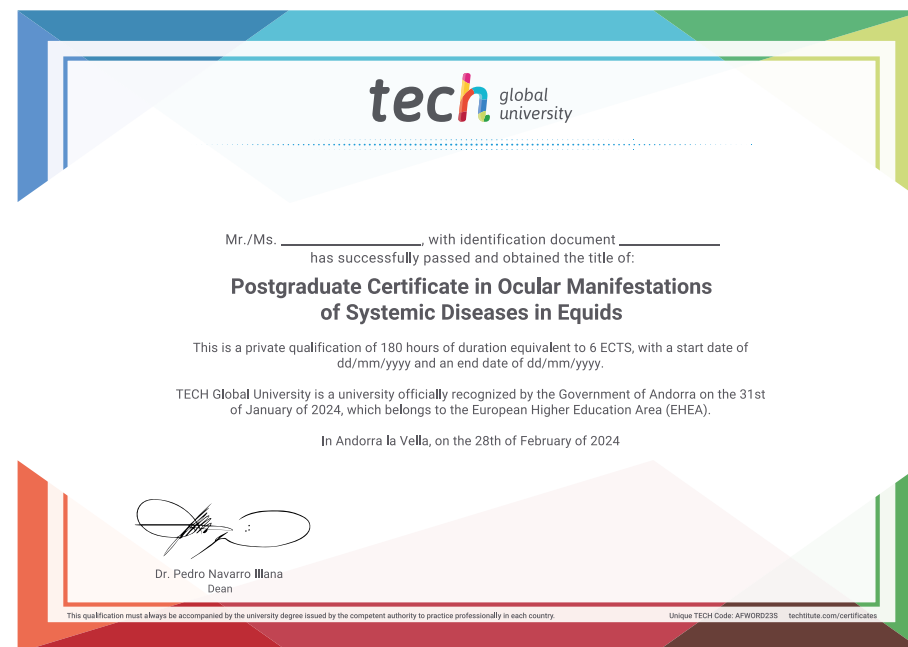
This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Ocular Manifestations of Systemic Diseases in Equids**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





Postgraduate Certificate
Ocular Manifestations of
Systemic Diseases in Equids

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

Postgraduate Certificate

Ocular Manifestations of Systemic Diseases in Equids