

Postgraduate Diploma

Ocular Surface Equine Ophthalmology





Postgraduate Diploma Ocular Surface Equine Ophthalmology

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

Website: www.techtute.com/us/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-ocular-surface-equine-ophthalmology

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01

Introduction

Ocular Surface Equine Ophthalmology is an essential area, due to the high susceptibility of horses to develop pathologies affecting the cornea, conjunctiva and lacrimal apparatus. According to the World Equine Veterinary Association (WEVA), diseases of the ocular surface represent up to 60% of the cases of ophthalmologic consultation in equids, with Corneal Ulcers, Keratitis and Tear Film Dysfunctions being the most frequent. In order to address one of the most delicate and in-demand areas, TECH has devised this comprehensive program which will focus on the diagnosis, treatment and prevention of related pathologies. Through a 100% online modality, professionals will master the use of state-of-the-art diagnostic tools and therapeutic techniques.



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Do you want to manage the most complex cases of Equine Ophthalmology and improve equine welfare? Join this program and consolidate yourself as a reference in this constantly evolving area”

Ocular Surface Equine Ophthalmology is a fundamental area in Veterinary Medicine, since diseases affecting the cornea, conjunctiva and lacrimal apparatus are frequent in horses and can seriously compromise their welfare, performance and quality of life. That is why investing in the development of this area not only directly benefits equines, but also represents a competitive advantage for professionals, allowing them to offer specialized and high-demand services. Therefore, this comprehensive approach promotes animal welfare and raises the standards of modern veterinary practice.

This TECH Postgraduate Diploma in Ocular Surface Equine Ophthalmology offers the specialist the opportunity to acquire specialized knowledge in a constantly evolving area, equipping them with the necessary tools to diagnose and treat the most common equine ocular conditions accurately and effectively. Students will be prepared in advanced and modern techniques, ranging from the identification of diseases such as keratitis and recurrent uveitis, to the surgical and therapeutic management of complex cases. Thanks to a comprehensive approach, you will gain a thorough understanding of equine ocular anatomy and physiology, as well as the particularities that distinguish these pathologies from those occurring in other species.

On a professional level, mastering this field opens doors to new opportunities in the veterinary sector. The demand for specialists in Equine Ophthalmology has increased considerably, given the high economic and sentimental value that owners assign to their horses. Becoming an expert in this discipline will allow access to positions in specialized clinics, offer exclusive services as a consultant or even develop a private practice with a differentiated and competitive approach.

This postgraduate course, taught in a 100% online format, is based on the innovative Relearning methodology, a pedagogical tool that guarantees in-depth, flexible training adapted to the needs of the students. This modern approach will optimize study time and facilitate the assimilation of the most complex contents.

This **Postgraduate Diploma in Ocular Surface Equine Ophthalmology** 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 Surface Equine Ophthalmology
- ♦ 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



Do you want to study without compromising your life rhythm or your work responsibilities? At TECH you will benefit from a methodology that maximizes your time and enhances your learning"

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You will become a reference in equine ocular health. You will learn from anywhere and anytime with this 100% online university program designed for professionals like you”

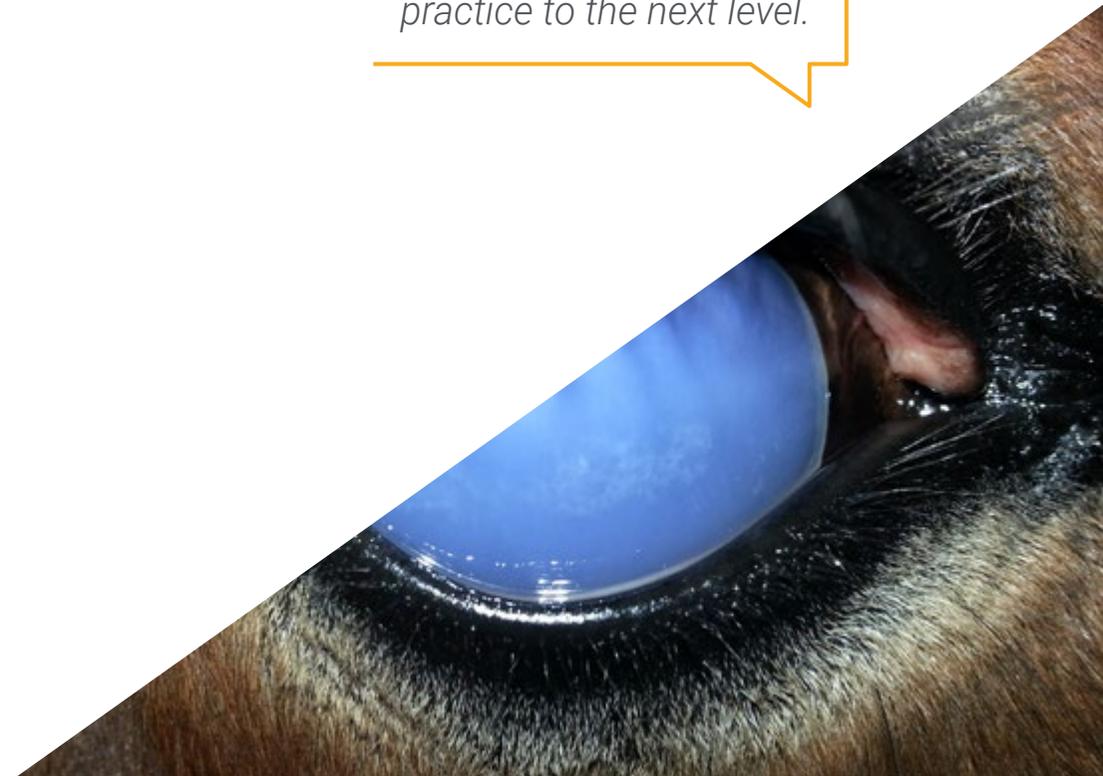
The program's teaching staff includes professionals from the sector who contribute their work experience to this specializing program, as well as renowned specialists from leading societies and prestigious universities.

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.

You will master equine ocular pathologies and stand out as a specialist in a booming veterinary area. With this online program, your career will reach new horizons!

Specialize in Equine Ophthalmology with the innovative Relearning methodology that adapts to your pace. You will take your veterinary practice to the next level.



02 Syllabus

This university program has been designed to provide professionals with the necessary skills to accurately and effectively address the most common equine ocular diseases. Through a comprehensive curriculum, updated and focused on the needs of the sector, students will address from the basics of equine ocular anatomy to the most advanced diagnostic and therapeutic techniques. In short, this postgraduate course will not only enhance theoretical knowledge, but will also prepare veterinarians to apply practical solutions in their day-to-day work, positioning them as experts capable of making a difference in their area of work.





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You will specialize without compromising your practice! This program combines flexibility, academic rigor and an extensive library of innovative multimedia resources”

Module 1. Diseases and Surgery in the Eyeball and Orbit in Equids

- 1.1. Clinical Physiology of the Orbit and the Eyeball in Equids
 - 1.1.1. The Skull, Foramen and Periorbit
 - 1.1.2. Physiology of the Eyeball
 - 1.1.3. The Vascular Supply of the Orbit
 - 1.1.4. Anatomical Structures Adjacent to the Orbit
- 1.2. Methods for Diagnosis of the Orbit and the Eyeball in Equids
 - 1.2.1. Oculokinetic Reflexes and Forced Duction Tests
 - 1.2.2. Diagnostic Imaging of the Orbit and Fine Needle Aspiration
 - 1.2.3. Impact of Orbital and Eyeball Pathologies in the Equine Industry
- 1.3. Clinical Symptoms of Orbital Pathologies in Equids
 - 1.3.1. Strabismus and Nystagmus
 - 1.3.2. Abnormalities of the Position and Size of the Eyeball
 - 1.3.3. Compilation of Additional Symptoms Related to Orbital Pathologies
- 1.4. Congenital Pathologies in Equids
 - 1.4.1. Microphthalmos
 - 1.4.2. Orbital Dermoids
 - 1.4.3. Orbital and Eyeball Vascular Anomalies
- 1.5. Acquired Traumatic Pathologies in Equids
 - 1.5.1. Exophthalmia and Ocular Proptosis
 - 1.5.2. Perforation of the Eyeball
 - 1.5.3. Ocular Injuries Associated with Facial Trauma
 - 1.5.4. Penetration of Foreign Bodies into the Orbit
 - 1.5.5. Orbital Fat Prolapse
- 1.6. Acquired Infectious and Inflammatory Pathologies in Equids
 - 1.6.1. Orbital Velulitis
 - 1.6.2. Parasitic Orbital Diseases
 - 1.6.3. Periostitis
 - 1.6.4. Nutritional Myopathy
 - 1.6.5. Pseudotumor



- 1.7. Orbital Tumors in Equids
 - 1.7.1. Diagnosis, Treatment and Prognosis
 - 1.7.2. Nasal and Orbital Adenocarcinomas
 - 1.7.3. Angiosarcomas and Hemangiosarcomas
 - 1.7.4. Malignant Rhabdoid Tumors
 - 1.7.5. Medulloepitheliomas and Meningiomas
- 1.8. Periorbital Pathologies in Equids
 - 1.8.1. Sinusitis
 - 1.8.2. Nasal and Sinus Cysts
 - 1.8.3. Nasal and Sinus Neoplasms
 - 1.8.4. Guttural Pouch Pathologies
- 1.9. Treatment of Orbital Pathologies in Equids
 - 1.9.1. Medical Treatment
 - 1.9.2. Tarsorrhaphy
 - 1.9.3. Soft Tissue Injuries
 - 1.9.4. Orbital Fractures
- 1.10. Orbital Surgery in Equids
 - 1.10.1. Orbital Examination
 - 1.10.2. Enucleation
 - 1.10.3. Exenteration
 - 1.10.4. Radical Eyelid Resection, Grafting and Expansion of Adjacent Skin
 - 1.10.5. Orbital Implants, Evisceration with Intrascleral Implant and Prosthesis
 - 1.10.6. Retrobulbar Block and Surgeries under Sedation with Local Anesthesia
 - 1.10.7. Related Surgeries: Sinus Trepanations and Dental Surgeries

Module 2. Diseases and Surgery of Ocular Appendages and Lacrimal Apparatus in Equids

- 2.1. Physiology of the Ocular Appendages in Equids
 - 2.1.1. Upper and Lower Eyelid
 - 2.1.2. Histological Structure of the Eyelids
 - 2.1.3. Conjunctiva and Nictitating Membrane: Anatomy and Functions
 - 2.1.4. Innervation and Vascularization of the Eyelids and Conjunctiva
 - 2.1.5. Anatomical Variations in Different Breeds of Horses
- 2.2. Nasolacrimal System in Equids
 - 2.2.1. Nasolacrimal System
 - 2.2.2. Role of the Nasolacrimal System in Tear Drainage
 - 2.2.3. Main Lacrimal Gland and Accessory Glands
 - 2.2.4. Structure of the Nasolacrimal Duct
- 2.3. Physiology of Lacrimal Production and the Tear Film in Equids
 - 2.3.1. Basal and Reflex Tear Production
 - 2.3.2. Function of the Tear Film
 - 2.3.3. Composition of the Tear Film: Aqueous, Lipid and Mucous Layer
 - 2.3.4. Role of the Tear Film in Corneal Protection
 - 2.3.5. Relationship between Blinking and Tear Distribution
- 2.4. Congenital Pathologies of the Appendages in Equids
 - 2.4.1. Congenital Entropion and Management
 - 2.4.2. Ankyloblepharon: Diagnosis and Treatment
 - 2.4.3. Coloboma: Clinical Presentation and Correction
 - 2.4.4. Dermoid: Identification and Therapeutic Approach
 - 2.4.5. Subconjunctival Hemorrhages: Diagnosis and Management

- 2.5. Pathologies of the Eyelids in Equids
 - 2.5.1. Blepharitis: Types and Treatment
 - 2.5.2. Chalazion, Ditchiasis, Dystrichiasis, Ectopic Cilia and Styel
 - 2.5.3. Entropion in Adults and Ectropion: Causes and Correction
 - 2.5.4. Traumatic Eyelid Lacerations
 - 2.5.5. Palpebral Neoplasms: Diagnosis and Surgical Management
- 2.6. Pathologies of the Conjunctiva and Nictitating Membrane in Equids
 - 2.6.1. Infectious Conjunctivitis
 - 2.6.2. Allergic and Autoimmune Conjunctivitis
 - 2.6.3. Neoplasms of the Conjunctiva and Nictitating Membrane
 - 2.6.4. Conjunctival Pseudotumors in Horses
 - 2.6.5. Complications of Chronic Conjunctivitis
- 2.7. Pathologies of the Nasolacrimal System in Equids
 - 2.7.1. Congenital Diseases of the Nasolacrimal System
 - 2.7.1.1. Epiphora: Differential Diagnosis
 - 2.7.1.2. Atresia of the Nasolacrimal Duct
 - 2.7.1.3. Lacrimal Punctal Malformations
 - 2.7.1.4. Nasolacrimal Obstructions in Foals
 - 2.7.2. Inflammatory Diseases of the Nasolacrimal System
 - 2.7.2.1. Acquired Obstructions of the Nasolacrimal Duct
 - 2.7.2.2. Dacryocystitis: Causes and Management
 - 2.7.2.3. Chronic Inflammation of the Nasolacrimal System
 - 2.7.3. Quantitative and Qualitative Keratoconjunctivitis Sicca
- 2.8. Diagnosis of Diseases of the Nasolacrimal System and Eyelids in Equids
 - 2.8.1. Schirmer's Test and Its Use in Lacrimal Evaluation
 - 2.8.2. Dacryocystography Other Imaging Techniques
 - 2.8.3. Microbiological and Immunological Evaluation of Lacrimal Pathologies
 - 2.8.4. Advanced Methods for the Diagnosis of Keratoconjunctivitis Sicca
- 2.9. Surgical Treatments of Pathologies of the Nasolacrimal System and Eyelids in Equids
 - 2.9.1. Surgical Correction of Entropion and Ectropion
 - 2.9.2. Reconstructive Eyelid Surgery
 - 2.9.3. Nasolacrimal Duct Probing
 - 2.9.4. Dacryocystorhinostomy: Indications and Surgical Techniques
 - 2.9.5. Post-Surgical Complications and Management



- 2.10. Complex Cases in Pathology of the Ocular Appendages and the Nasolacrimal System in Equids
 - 2.10.1. Complex Cases of Blepharitis
 - 2.10.2. Surgical Treatment of Palpebral Neoplasms
 - 2.10.3. Management of Chronic Epiphora in Sport Horses
 - 2.10.4. Case of Qualitative Keratoconjunctivitis Sicca
 - 2.10.5. Postoperative Follow-Up in Lacrimal Surgery

Module 3. Diseases and Surgery of the Cornea and Sclera in Equids

- 3.1. Histology of the Cornea in Equids
 - 3.1.1. Conformation
 - 3.1.2. Histological Structure
 - 3.1.3. Scleral-Corneal Limbus
 - 3.1.4. Vascularization and Innervation
- 3.2. Physiology of the Cornea in Equids
 - 3.2.1. Biochemical Composition
 - 3.2.2. Corneal Transparency
 - 3.2.3. Nutrition
 - 3.2.4. Epithelial, Stromal and Endothelial Scarring
 - 3.2.5. Practical Considerations
- 3.3. Sclera and Limbus in Equids
 - 3.3.1. Examination of the Sclera
 - 3.3.2. Malformations: Scleral Coloboma
 - 3.3.3. Scleral Inflammation and Lacerations
 - 3.3.4. Thinning and Sclerectasia of the Sclera
 - 3.3.5. Neoplasms of the Sclera and Limbus
 - 3.3.6. Obitary Fat Prolapse and Parasitic Diseases of Scleral Localization
- 3.4. Pharmacological Principles of Ocular Therapy in Equids
 - 3.4.1. Routes of Administration
 - 3.4.2. Penetration through the Cornea
 - 3.4.3. Penetration through the Limbus-Sclera
 - 3.4.4. Periocular or Intraocular Injections
 - 3.4.5. Anti-Infectives, Anti-Inflammatories and Immunomodulators
- 3.5. Semiology of Corneal Modifications in Equids except for Ulcers
 - 3.5.1. Semiology of Corneal Modifications in Equids
 - 3.5.2. Functional Manifestations
 - 3.5.3. Physical Modifications
 - 3.5.3.1. Dimensional and Curvature Anomalies
 - 3.5.3.2. Corneal Edema
 - 3.5.3.3. Corneal Neovascularization
 - 3.5.3.4. Corneal Pigmentation
 - 3.5.3.5. Other Alterations of Corneal Transparency
- 3.6. Conditions of the Cornea of the Horse: Congenital Conditions, Non-Infectious Ulcerative Keratitis and Corneal Lesions
 - 3.6.1. Congenital Conditions
 - 3.6.2. Non-Infectious Ulcerative Keratitis
 - 3.6.3. Corneal Lesions
- 3.7. Conditions of the Cornea of the Horse: Bacterial, Viral, and Immune-Mediated Ulcerative Keratitis and Stromal Abscesses
 - 3.7.1. Bacterial and Mycotic Ulcerative Keratitis
 - 3.7.2. Stromal Abscesses
 - 3.7.3. Viral Keratitis
 - 3.7.4. Immune-Mediated Keratitis
- 3.8. Conditions of the Cornea of the Horse: Parasitic Keratitis, Corneal Degenerations and Corneal Neoplasms
 - 3.8.1. Parasitic Keratitis
 - 3.8.2. Corneal Degeneration
 - 3.8.3. Corneal Neoplasms
- 3.9. Therapeutic Strategy for Corneal Ulcer in Equids
 - 3.9.1. Acute Epithelial Ulcer
 - 3.9.2. Chronic or Recurrent Epithelial Ulcer
 - 3.9.3. Stromal Ulcer
 - 3.9.4. Pre-Descemetic Ulcer or Descemetocele and Corneal Perforation
- 3.10. Surgical Treatment of Corneal Ulcers in Equids
 - 3.10.1. Surgical Aspects of Etiologic Treatment
 - 3.10.2. Surgical Aspects of Symptomatic Treatment
 - 3.10.3. Surgical Techniques
 - 3.10.4. Other Techniques

03

Teaching Objectives

The main objective of this Postgraduate Diploma is to train the professional to develop a comprehensive mastery in the diagnosis, treatment and management of the most relevant ocular pathologies in equines. This academic itinerary seeks to prepare specialists capable of responding with solvency and efficacy to the challenges posed by this area. Among its key goals is the strengthening of the anatomical and physiological basis of the equine eye. Based on this knowledge, students will know how to identify keratitis, corneal ulcers and recurrent uveitis diseases, as well as how to implement effective treatment plans, from clinical approaches to advanced surgical solutions.





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Thanks to this program, you will acquire the skills and knowledge necessary to excel in a highly competitive veterinary sector, mastering the most advanced treatments in Equine Ophthalmology”



General Objectives

- ♦ Master equine ocular anatomy and physiology to understand the basis of the most frequent pathologies
- ♦ Identify equine ocular diseases using advanced diagnostic techniques and modern tools
- ♦ Apply effective treatments for conditions such as keratitis, corneal ulcers and recurrent uveitis
- ♦ Design prevention plans to avoid ocular complications in high-performance horses
- ♦ Utilize state-of-the-art technology such as ocular ultrasound and biomicroscopy in professional practice
- ♦ Analyze complex clinical cases to propose customized solutions in equine ophthalmology
- ♦ Develop skills to perform surgical procedures related to the equine ocular surface
- ♦ Enhance the quality of animal welfare through a holistic approach to equine eye health





Specific Objectives

Module 1. Diseases and Surgery in the Eyeball and Orbit in Equids

- ◆ Identify the main pathologies affecting the eyeball and the orbit in equids
- ◆ Analyze the surgical procedures used in the treatment of these diseases
- ◆ Apply advanced diagnostic criteria to evaluate conditions of the eyeball in equids
- ◆ Design pre- and post-surgical management plans in cases of complex ocular surgery

Module 2. Diseases and Surgery of Ocular Appendages and Lacrimal Apparatus in Equids

- ◆ Describe the most common alterations of the ocular appendages and lacrimal apparatus in equids
- ◆ Evaluate surgical techniques to correct eyelid, gland and lacrimal duct conditions
- ◆ Implement effective therapeutic protocols for non-surgical ocular adnexal diseases
- ◆ Accurately diagnose lacrimal apparatus dysfunctions and their impact on ocular health

Module 3. Diseases and Surgery of the Cornea and Sclera in Equids

- ◆ Recognize diseases affecting the cornea and sclera in equids
- ◆ Design surgical strategies to repair injuries to the cornea and sclera
- ◆ Apply diagnostic techniques to evaluate ocular surface diseases in equids
- ◆ Establish comprehensive treatment and follow-up plans for corneal and scleral conditions



04

Career Opportunities

This postgraduate program not only provides the necessary knowledge to address the most complex diseases in Equine Ophthalmology, but also positions the graduate as a reference in this highly specialized sector. Likewise, those who complete this program will have the opportunity to access a diversity of professional opportunities, ranging from positions as specialists in veterinary clinics and equine hospitals, to leadership roles in animal health companies and consultancies. On the other hand, this Postgraduate Diploma opens the door to the field of research, allowing you to participate in the development of new therapies and technologies to improve equine eye health.





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Not only will you strengthen your academic and professional profile, but you will also be prepared to successfully face the challenges of a demanding, competitive and constantly evolving labor market”

Graduate Profile

The graduate will be a highly trained professional, prepared to face the most complex challenges in equine eye care. Thanks to a solid preparation, they will acquire the necessary skills to diagnose and treat pathologies with precision, using the most advanced and effective techniques in the field. In turn, this profile will combine in-depth scientific knowledge with high-level practical skills, positioning them as a reference in the veterinary field. In addition, they will develop an analytical and problem-solving capacity that will allow them to offer personalized solutions, adapting to the needs of each case and ensuring the welfare of the animals.

Whether in specialized clinics, equestrian centers, research laboratories or as an independent consultant, your preparation will open the doors to a future full of opportunities.

- ♦ **Problem-Solving Capacity:** Develop the ability to address and resolve complex clinical cases in Equine Ophthalmology, applying an effective diagnostic and therapeutic approach
- ♦ **Work in an Interdisciplinary Team:** Collaborate effectively with other veterinary professionals, technicians, and specialists, ensuring a comprehensive approach to equine ocular health care
- ♦ **Critical Thinking and Clinical Analysis:** Rigorously evaluate and analyze each case, correctly interpreting data and generating customized solutions based on scientific evidence
- ♦ **Time Management and Decision-Making:** Prioritize tasks and make quick and accurate decisions in high-pressure situations, optimizing resources and improving efficiency in the treatment of equine patients



After completing the program, you will be able to use your knowledge and skills in the following positions:

- 1. Specialist in Equine Ophthalmology:** Diagnoses and treats complex ocular diseases in horses, using advanced technologies and specialized techniques.
Responsibilities: Diagnoses and treats ocular pathologies in horses through the use of specialized techniques, ensuring the welfare of the animals.
- 2. Veterinary Consultant in Ophthalmology:** Provides advice and clinical solutions to veterinarians and centers specializing in equine eye health.
Responsibilities: Provides expert guidance to other veterinarians on the diagnosis and treatment of equine eye disease.
- 3. Equine Eye Surgeon:** Performs surgical interventions on the ocular surface of horses to treat serious conditions such as corneal ulcers.
Responsibilities: Performs surgical procedures to correct serious conditions on the ocular surface of horses, ensuring their recovery.
- 4. Equine Veterinary Clinic Director:** Leads a team of professionals dedicated to equine ocular care, managing both diagnosis and treatments.
Responsibilities: Coordinates the daily operations of a clinic specializing in equine ophthalmology, managing the medical team and treatments.
- 5. Researcher in Veterinarian Ophthalmology:** Develops new therapeutic approaches and diagnostic technologies, contributing to the improvement of equine ophthalmic treatments.
Responsibilities: Conducts scientific studies to develop new therapeutic solutions and improve diagnostic practices in equine ophthalmology.
- 6. Equestrian Center Veterinarian:** Manages the ocular health of competition and recreational horses, performing regular checkups and preventive treatments.
Responsibilities: Performs routine examinations and treats eye conditions in high performance horses, ensuring their eye health and preventing complications.

- 7. Technical Advisor in Animal Health Products:** Provides guidance in the development, marketing and use of specialized ophthalmic products for horses.
Responsibilities: Collaborates with manufacturers and distributors in the development and marketing of equine ophthalmic products.
- 8. Specialist in Veterinary Ophthalmology** Promotes the education and training of future specialized veterinarians, transmitting advanced knowledge of equine eye care.
Responsibilities: Teaches future professionals about techniques, diseases and treatments in equine ophthalmology, promoting excellence in the discipline.



You will lead exclusive research projects that will promote the development of new methodologies for the approach to renal lithiasis and promote scientific progress”

Academic and Research Opportunities

In addition to all the jobs you will be qualified for by studying this TECH Postgraduate Diploma, you will also be able to continue with a solid academic and research career. After completing this university program, you will be ready to continue your studies associated with this field of knowledge and thus progressively achieve other scientific merits.

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.



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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

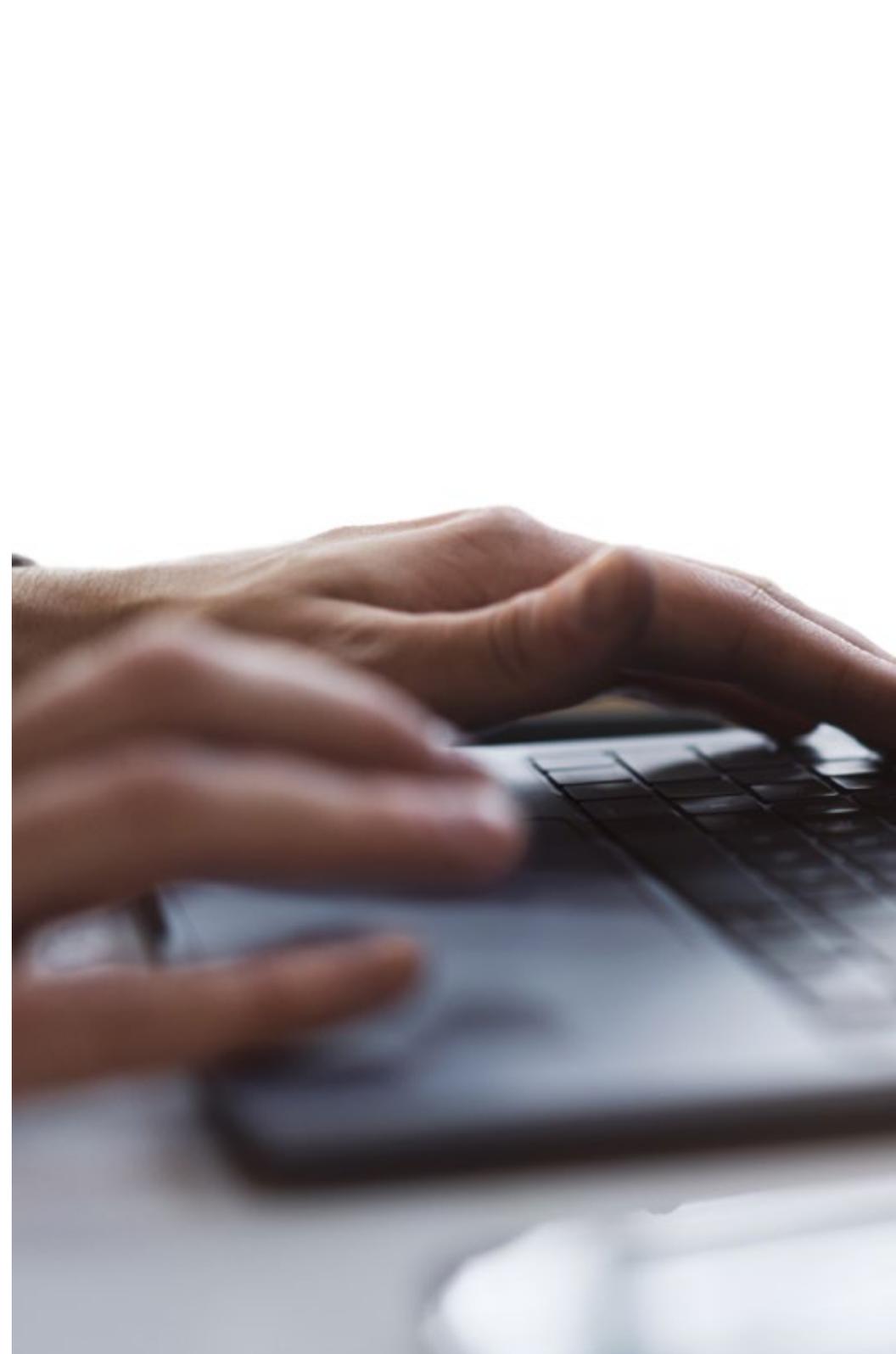
In TECH's study methodology, the student is the main protagonist.

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.

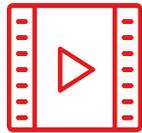
The students' assessment of the quality of teaching, quality of materials, course structure and objectives is excellent. Not surprisingly, the institution became the best rated university by its students on the Trustpilot review platform, obtaining a 4.9 out of 5.

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.

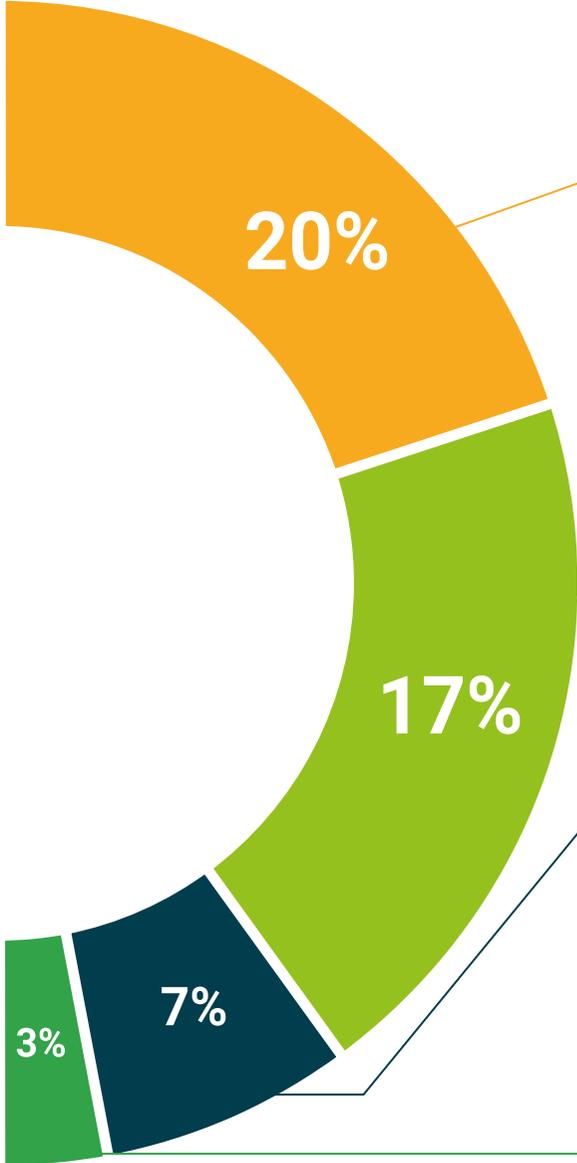
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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

Teaching Staff

The teaching staff of this program is composed of a group of renowned professionals, experts in the field of Veterinary Ophthalmology and equine health. Each one of them contributes with their vast experience, both in clinical practice and research, which guarantees a high level of training, updated with the latest advances in the specialty. In short, these professionals are not only referents in their respective fields, but also have a great pedagogical vocation, dedicated to offer a personalized and close teaching. Thanks to this, students will develop essential technical skills to successfully face the challenges of the area.



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This teaching quality not only enriches the learning process, but also prepares you to become a leader in the field of Equine Ophthalmology, capable of offering innovative and cutting-edge solutions”

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. Herb, Verena

- ♦ Head of Ophthalmology Service in a Multidisciplinary Clinic
- ♦ Doctor of Veterinary Medicine from the Veterinary University of Vienna
- ♦ Certified by the European College of Veterinary Ophthalmology (ECVO)
- ♦ Degree in Veterinary Medicine from the Ludwig-Maximilians-University of Vienna
- ♦ Erasmus at the Faculty of Veterinary Medicine by the Complutense University
- ♦ Member of: Spanish Society of Ophthalmology Veterinarian and International Consortium of Equine Ophthalmology

Dr. Simó Vesperinas, María

- ♦ Emergency Veterinarian at Vets Now Emergency Hospital. Manchester
- ♦ Veterinarian in General Medicine at Canis Veterinary Hospital. Girona, Spain
- ♦ Stays at the Texas A&M Veterinary Medical Teaching Hospital
- ♦ Degree in Veterinary Medicine from the Autonomous University of Barcelona
- ♦ Practical program of Microsurgery in Corneal Pathology at the Institute of Ocular Microsurgery (IMO)
- ♦ Veterinary Ophthalmology Congress: "Ocular manifestations of systemic diseases", held at the Institute of Ocular Microsurgery (IMO)
- ♦ Postgraduate in Veterinary Ophthalmology by British Small Animal Veterinary Association

Dr. Simó Domenech, Francisco José

- ♦ Medical Director and Founder at the Ophthalmologic Veterinary Institute (IVO)
- ♦ Veterinary Ophthalmologist at Long Island Veterinary Specialists. New York
- ♦ Collaboration with the R&D Department of Alcon Laboratories. El Masnou, Spain
- ♦ Collaborations in the experimental center of Harlan Laboratories
- ♦ Degree in Veterinary Medicine from the University of Zaragoza
- ♦ Postgraduate Degree in Veterinary Ophthalmology from the Autonomous University of Barcelona
- ♦ Residencies at the Veterinary Faculty of Toulouse, with Dr. Marc Simon in Paris and at the Ophthalmology Service of Long Island Veterinary Specialists in New York
- ♦ Accredited by the Association of Spanish Veterinarians Specialists in Small Animals (AVEPA) as a Specialist in Veterinary Ophthalmology
- ♦ Member of: Spanish Society of Veterinary Ophthalmology (SEOVET)

Dr. Guarnizo Barrionuevo, Carla Pamela

- ♦ Veterinary Technical Assistant (VTA) at the Ophthalmologic Veterinary Institute (IVO)
- ♦ Expert in Ocular Ultrasonography at Oftalmovet Center
- ♦ Expert in Laboratory Analysis at CONCERVET Veterinary Clinic
- ♦ Expert in Ocular Ultrasonography in GENOV
- ♦ Specialist in Neurology, Ophthalmology and Reproduction of Small Animals at the Autonomous University of Barcelona
- ♦ Specialist in Intensive Care and Dermatology at the Autonomous University of Barcelona
- ♦ Specialist in Advanced Veterinary Ophthalmology
- ♦ Diploma in Veterinary Ophthalmology from the Catholic University of Salta
- ♦ Degree in Veterinary and Zootechnics from the Cayetano Heredia Peruvian University

Dr. Jiménez Heras, Laura

- ♦ Leader of the Ophthalmology and Surgery Service at Eurocan Veterinary Center
Specialist in Basic and Advanced Surgery by the Autonomous University of Barcelona
- ♦ Degree in Veterinary Medicine from Alfonso X El Sabio University
- ♦ Certificate of Advanced Studies (CES) in Veterinary Ophthalmology by L'École Nationale Vétérinaire de Toulouse
- ♦ In charge of the Equine Ophthalmology Specialized Consultations



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 Diploma in Ocular Surface Equine Ophthalmology guarantees students, in addition to the most rigorous and up-to-date education program, access to a Postgraduate Diploma 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 Diploma in Ocular Surface Equine Ophthalmology** endorsed by **TECH Global University**, the world's largest online university.

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 Ocular Surface Equine Ophthalmology**

Modality: **online**

Duration: **6 months**

Accreditation: **18 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 Diploma
Ocular Surface Equine
Ophthalmology

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

Postgraduate Diploma

Ocular Surface Equine Ophthalmology

