



Postgraduate Diploma Canine Dentistry and Oral Surgery

» Modality: online

» Duration: 6 months

» Certificate: TECH Global University

» Acreditation: 18 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-canine-dentistry-oral-surgery

Index

01	02		03	
Introduction	Objectives		Course Management	t
	p. 4	p. 8		p. 12
04	05		06	
Structure and Content	Methodology		Certificate	
р). 16	p. 22		p. 30





tech 06 | Introduction

Veterinary specialties usually reach very advanced levels. Lots of techniques used on humans are extrapolated in veterinary medicine such as hip prosthesis, radiotherapy, heart surgery etc. However, veterinary dentistry continues to be a forgotten field by veterinarians and owners, be it because of the cost of treatment of for the "fear" of anesthesia

The current market is searching for specialist professionals who know how to assess and treat oral pathologies in dogs.

The Postgraduate Diploma in Canine Dentistry and Oral Surgery is a response to the needs and demands of veterinary clinicians who, based on the high number of cases they encounter, seek to offer the best service to their patients.

The teaching team that makes up the Postgraduate Diploma in Canine Dentistry and Oral Surgery is composed of veterinary professionals specializing in the different subjects taught in the course, with extensive experience both at a teaching and practical level. They are familiar with university training, teaching courses, degrees and different postgraduate courses related to the veterinary profession, and specifically Canine Dentistry and Oral Surgery. These lecturers are active professionals, both at university and clinical level, working in leading veterinary centres and participating in various research projects.

The modules developed in the Postgraduate Diploma in Canine Dentistry and Oral Surgery have been selected with the aim of offering the veterinary clinician the possibility of taking a step further in their future as a specialist in Dentistry and to develop specialized theoretical and practical knowledge to confidently face any oral and maxillofacial procedure that they may encounter in their daily practice.

The advanced knowledge developed in this Postgraduate Diploma is supported by the clinical experience of the authors, as well as scientific articles and publications directly related to the modern day veterinary dentistry sector.

This Postgraduate Diploma provides students with all the theoretical and practical knowledge necessary to safely tackle any oral and maxillofacial procedure in the studied species.

Nowadays, the possibility of coordinating the veterinary clinician's working life with a Postgraduate Diploma is highly valued and valuable, and this course meets this requirement, in terms of teaching quality. The online format allows students to balance their work and academic life, and meets the demands and requirements of the veterinary professional.

This **Postgraduate Diploma in Canine Dentistry and Oral Surgery** offers you the advantages of a high-level scientific, teaching, and technological course. These are some of its most notable features:

- Latest technology in online teaching software.
- Highly visual teaching system, supported by graphic and schematic contents that are 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.
- Self-regulating 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 course.



A Postgraduate Diploma that will enable you to work in all fields of Veterinary Dentistry with the competence of a highlevel professional"



Receive complete and appropriate training in Veterinary Dentistry with this highly effective Postgraduate Diploma and open new paths to your professional progress"

Our teaching staff is made up of professionals from different fields related to this specialty. In this way, we ensure that we provide you with the training update we are aiming for. A multidisciplinary team of professionals trained and experienced in different environments, who will cover the theoretical knowledge in an efficient way, but, above all, will put the practical knowledge derived from their own experience at the service of the course: one of the differential qualities of this course.

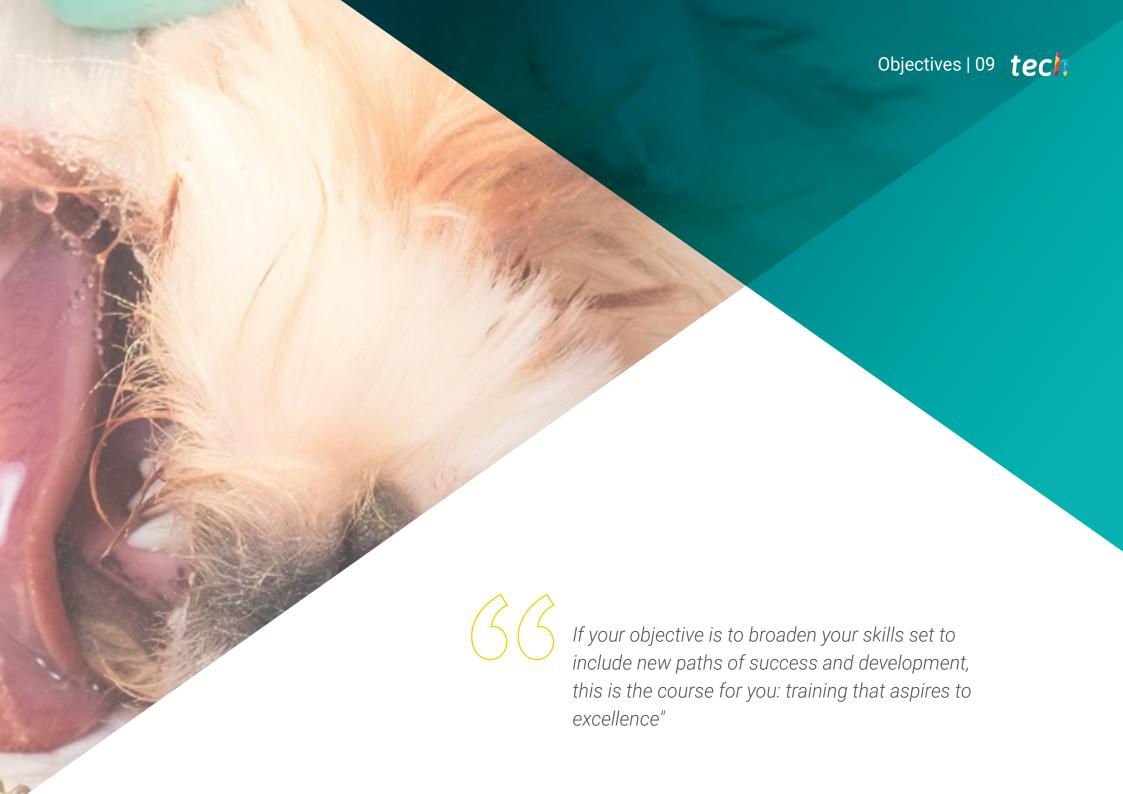
This mastery of the subject is complemented by the effectiveness of the methodological design of this Postgraduate Diploma in Canine Dentistry and Oral Surgery. Developed by a multidisciplinary team of e-learning experts, it integrates the latest advances in educational technology. This way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your training.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, we will use telepractice: with the help of an innovative interactive video system, and learning from an expert, you will be able to acquire the knowledge as if you were actually dealing with the scenario you are learning about. A concept that will allow you to integrate and fix learning in a more realistic and permanent way.

You will be supported by the experience of expert professionals who will contribute their experience in this area to the program, making this training a unique opportunity for professional growth.





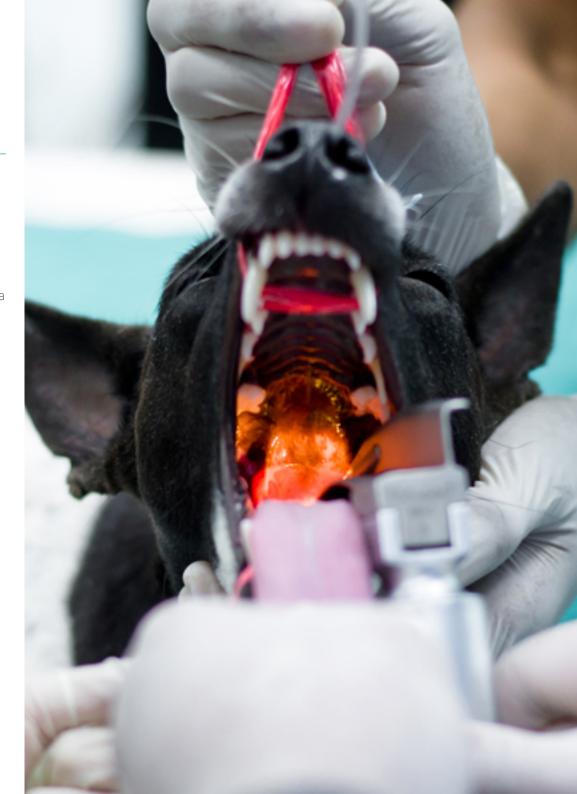


tech 10 | Objectives



General Objectives

- Establish the basis of the anatomy involved in veterinary dentistry.
- Provide specialized knowledge of dental and periodontal anatomical structures.
- Generate specialized knowledge in comparative anatomy of dogs and cats.
- Identify oral anatomical structures.
- Establish the foundations of feline dentistry and establish protocols for action, generating a specific routine for the speciality.
- Identify the most frequent pathologies quickly and accurately with effective and precise treatments.
- Analyze diseases on the basis of good theory and in an interactive way.
- Generate specialized knowledge to examine, diagnose and treat oral pathologies correctly based on the latest advances in the specialty.
- Examine the main surgical pathologies occurring in the oral cavity of dogs and cats.
- Diagnose any type of injury taught in this module.
- Develop specialized and advanced knowledge in order to carry out medical-surgical treatment in each case in an individualised manner.
- Determine the surgical techniques necessary to safely approach oral cavity surgery and thus avoid as many complications as possible.





Specific Objectives

- Determine the stages of tooth development.
- Generate specialized knowledge to differentiate normal occlusion from malocclusion.
- Analyse the dental anatomy in the canine and feline species.
- Examine periodontal anatomy in the canine and feline species.
- Develop specialized knowledge of the bone and joint anatomy of the head, muscular anatomy, neurovascular anatomy and glandular anatomy.
- Establish routine oral examination guidelines and records.
- Carry out preventive dentistry.
- Carry out an in-depth analysis of the dog's oral pathologies.
- Determine instrumentation and general equipment.
- Establish differential diagnoses.
- Generate specialized knowledge on Antibiotics and antiseptics.
- Prescribe specific and advanced treatments.
- Develop specialist knowledge in the field of cheek and lip surgery.

- Recognise any pathology affecting the oral cavity and decide which diagnostic tests and treatment are most appropriate.
- Determine how to deal surgically with the most common tumours of the oral cavity.
- Review the most common salivary gland surgery.
- Precisely determine the surgical technique to be used for different mandibular/maxillary fractures.
- Examine the temporomandibular joint and the pathologies that most frequently affect it.



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





tech 14 | Course Management

Management



Saura Alfonseda, José María

- Degree in Veterinary Medicine from the University of Murcia.
- Member of the SEOVE and speaker at several SEOVE Congresses.
- Master's Degree in Dentistry and Maxillofacial Surgery V by the UCM in 2008.
- Lecturer at the Faculty of Veterinary Medicine of the UAX in subjects such as Animal Physiopathology, Clinical Propaedeutics and Animal Anatomy.
- Senior Veterinarian at the Internal Medicine Service of the Veterinary Hospital Universidad Alfonso X El Sabio (HCV UAX) since 2006.
- Head of the Veterinary Dentistry and Maxillofacial Surgery Service of the HCV UAX since 2009.
- Outpatient Veterinary Dentistry and Maxillofacial Surgery Service (sauraodontovet) since 2013.

Professors

Carrillo Segura, Manuel

- Graduated in Veterinary Medicine from the Alfonso X El Sabio University of Madrid in 2017.
- Rotational internship at the Majadahonda Veterinary Hospital (2017-2018).
- Rotational internship master's degree (2018-2019) at the Hospital Clínico Veterinario UAX.
- Master in Soft Tissue Surgery and Traumatology at the Hospital Clínico Veterinario UAX (2019-2022).
- Practical Teacher of the Degree in Veterinary Medicine at the Alfonso X El Sabio University, in the subject of Surgical Pathology and Surgery.
- Currently, he is an outpatient veterinarian in different clinics in the Community of Madrid.

Plaza del Castaño, Enrique

- Degree in Veterinary Medicine from the Cardenal Herrera-CEU University (Valencia) in 2008.
- Director of the Anaesthesia and Analgesia Service at Veterinary Hospital La Chopera.
- University Specialist in Anaesthesia and Analgesia in Small Animals (2016).
- Member of the Association of Spanish Veterinary Specialists in Small Animals (AVEPA).
- Member of the Spanish Society of Veterinary Anaesthesia and Analgesia (SEAAV)
- Member of the Working Group on Anaesthesia and Analgesia (GAVA).
- Master's Degree in Management and Conservation of Wildlife and Protected Areas, University of León.

Yin Chen, Paulo Rogélio

- Specialist in Veterinary Dentistry and Maxillofacial Surgery from the Complutense University of Madrid 2007-2008.
- Degree in Veterinary Medicine from Pontificia Catholic University of Paraná in 2006 (Brazil).
- Specialist Degree in Veterinary Dentistry and Maxillofacial Surgery from the Complutense University of Madrid 2007-2008.
- Advanced Studies Diploma from the Complutense University of Madrid in 2009.
- Member of the Spanish Society of Veterinary Odontology (SEOVE).
- Veterinary surgery and dentistry service of Anicura Velázquez Veterinary Hospital 2010 to present day







tech 18 | Structure and Content

Module 1. Dental and Oral Cavity Anatomy in Small Animals

- 1.1. Embryology and Odontogenesis. Terminology
 - 1.1.1. Embryology
 - 1.1.2. Dental Rash
 - 1.1.3. Odontogenesis and the Periodontium
 - 1.1.4. Dental Terminology
- 1.2. The Oral Cavity Occlusion and malocclusion.
 - 1.2.1. The Oral Cavity
 - 1.2.2. Occlusion in Dogs
 - 1.2.3. Occlusion in Cats
 - 1.2.4. Mandibular Prognathism
 - 1.2.5. Mandibular Brachycephalism
 - 1.2.6. Wry Bite
 - 1.2.7. Narrow Mandible
 - 1.2.8. Anterior Crossbite
 - 1.2.9. Malocclusion of the Canine Tooth
 - 1.2.10. Premolar and Molar Malocclusion
 - 1.2.11. Malocclusion Associated with Persistence of Primary Teeth
- 1.3. Dental Anatomy in the Dog
 - 1.3.1. Dental Formula
 - 1.3.2. Types of Teeth
 - 1.3.3. Dental Composition1.3.3.1. Enamel, Dentine, Pulp
 - 1.3.4. Terminology
- 1.4. Periodontal Anatomy in the Dog
 - 1.4.1. Gum
 - 1.4.2. Periodontal Ligament
 - 1.4.3. Cementum
 - 1.4.4. Alveolar Bone
- 1.5. Dental Anatomy in Cats
 - 1.5.1. Dental Formula
 - 1.5.2. Types of Teeth
 - 1.5.3. Dental Composition
 - 1.5.4. Terminology

- 1.6. Periodontal Anatomy in Cats
 - 1.6.1. Gum
 - 1.6.2. Periodontal Ligament
 - 1.6.3. Cementum
 - 1.6.4. Alveolar Bone
- .7. Bone and Joint Anatomy
 - 1.7.1. Skull
 - 1.7.2. Facial Region
 - 1.7.3. Maxillary Region
 - 1.7.4. Mandibular Region
 - 1.7.5. Temporomandibular Joint
- 1.8. Muscular Anatomy
 - 1.8.1. Masseter Muscle
 - 1.8.2. Temporal Muscle
 - 1.8.3. Pterygoid Muscle
 - 1.8.4. Digastric Muscle
 - 1.8.5. Muscles of the Tongue
 - 1.8.6. Muscles of the Soft Palate
 - 1.8.7. Muscles of Facial Expression
 - 1.8.8. Head Fascia
- 1.9. Neurovascular Anatomy
 - 1.9.1. Motor Nerves
 - 1.9.2. Sensitive Nerves
 - 1.9.3. Brachiocephalic Trunk
 - 1.9.4. Common Carotid Artery
 - 1.9.5. External Carotid Artery
 - 1.9.6. Internal Carotid Artery
- 1.10. Anatomy of the Tongue, Palate, Lymphonodes and Glands
 - 1.10.1. Hard Palate
 - 1.10.2. Soft Palate
 - 1.10.3. Canine Tongue
 - 1.10.4. Feline Tongue
 - 1.10.5. Lymphonodes and Tonsils
- 10.6. Salivary Glands



Structure and Content | 19 tech

Module 2. Dentistry in Canine Veterinary

- 2.1. Veterinary Dentistry
 - 2.1.1. History of Veterinary Dentistry
 - 2.1.2. Basis and Fundamentals of Veterinary Dentistry
- 2.2. Equipment and Materials in Veterinary Dentistry
 - 2.2.1. Equipment
 - 2.2.1.1. Basic Equipment
 - 2.2.1.2. Specific Equipment
 - 2.2.2. Materials
 - 2.2.2.1. Basic Instruments
 - 2.2.2.2. Specific Instruments
 - 2.2.2.3. Fungibles
 - 2.2.2.4. Methods of Oral Impression Preparation
- 2.3. Oral Examination
 - 2.3.1. Medical History
 - 2.3.2. Oral Examination with the Patient Awake
 - 2.3.3. Oral Examination with Sedated or Anaesthetised Patient
 - 2.3.4. Records
- 2.4. Pediatric Dentistry
 - 2.4.1. Introduction
 - 2.4.2. Development of the Deciduous Dentition
 - 2.4.3. Change of Dentition
 - 2.4.4. Deciduous Persistence
 - 2.4.5. Supernumerary Teeth
 - 2.4.6. Agenesis
 - 2.4.7. Dental Fractures
 - 2.4.8. Malocclusions

tech 20 | Structure and Content

2.5.	Periodo	ontal Disease
	2.5.1.	Gingivitis
	2.5.2.	Periodontitis
	2.5.3.	Pathophysiology of Periodontal Disease
	2.5.4.	Periodontal Profilaxia
	2.5.5.	Periodontal Therapy
	2.5.6.	Postoperative Care
2.6.	Oral Pa	thologies
	2.6.1.	Enamel Hypoplasia
	2.6.2.	Halitosis
	2.6.3.	Tooth Wear
	2.6.4.	Dental Fractures
	2.6.5.	Oronasal Fistulas
	2.6.6.	Infraorbital Fistulas
	2.6.7.	Temporomandibular Joint
	2.6.8.	Cranio-Mandibular Osteopathy
2.7.	Dental B	Extraction
	2.7.1.	Anatomical Concepts
	2.7.2.	Indications
	2.7.3.	Surgical Management
	2.7.4.	Flaps
	2.7.5.	Post-Operative Treatment
2.8.	Endodo	ontics
	2.8.1.	Basis of Endodontics
	2.8.2.	Specific Materials
	2.8.3.	Indications
	2.8.4.	Diagnosis
	2.8.5.	Surgical Technique
	2.8.6.	Post-Operative Care
	2.8.7.	Complications

2.9.	Orthodo	ontics
	2.9.1.	Occlusion and Malocclusion
	2.9.2.	Principles of Orthodontics
	2.9.3.	Orthodontic Treatment
	2.9.4.	Esthetics and Restoration
2.10.	Maxillot	facial Fractures
	2.10.1.	Emergencies
	2.10.2.	Stabilisation of the Patient
	2.10.3.	Clinical Examination
	2.10.4.	Treatment
		2.10.4.1. Conservational Treatment
		2.10.4.2. Surgical Management
	2.10.5.	Therapeutics and Postoperative Care
	2.10.6.	Complications
Mod	ule 3. C	Oral Cavity Surgery in Small Anima

- 3.1.1. Chewing Injuries
- 3.1.2. Lacerations
- 3.1.3. Lip Avulsion
- 3.1.4. Necrosis
- 3.1.5. Cheilitis and Dermatitis
- 3.1.6. Inappropriate Salivation
- 3.1.7. Tight Lip
- 3.1.8. Cleft Lip
- 3.2. Surgical Pathology and Tongue Surgery
 - 3.2.1. Congenital Disorders
 - 3.2.2. Infectious Disorders
 - 3.2.3. Trauma
 - 3.2.4. Miscellaneous
 - 3.2.5. Neoplasms and Hyperplastic Lesions

Structure and Content | 21 tech

o.o. Orophal yrigeal bisolaels	3.3.	Oro	phary	/ngeal	Disorders
--------------------------------	------	-----	-------	--------	-----------

- 3.3.1. Dysphagia
- 3.3.2. Penetrating Wounds to the Pharynx
- 3.4. Surgical Pathology of the Tonsils
 - 3.4.1. Tonsil Inflammation
 - 3.4.2. Tonsil Neoplasia
- 3.5. Surgical Pathology of the Palate
 - 3.5.1. Congenital Defects of the Palate
 - 3.5.1.1. Cleft Lip
 - 3.5.1.2. Cleft Palate
 - 3.5.2. Acquired Defects of the Palate
 - 3.5.2.1. Oro-Nasal Fistula
 - 3.5.2.2. Trauma
- 3.6. Surgical Pathology of the Salivary Glands in the Dog
 - 3.6.1. Surgical Diseases of the Salivary Glands
 - 3.6.1.1. Sialocele
 - 3.6.1.2. Sialoliths
 - 3.6.1.3. Salivary Gland Neoplasia
 - 3.6.2. Surgical Technique
- 3.7. Oncological Surgery of the Oral Cavity in Dogs and Cats
 - 3.7.1. Sample Collection
 - 3.7.2. Benign Neoplasms
 - 3.7.3. Malignant Neoplasms
 - 3.7.4. Surgical Management
- 3.8. Surgical Pathology of the TMJ. Surgical Pathology of the TMJ
 - 3.8.1. Temporomandibular Joint Dysplasia
 - 3.8.2. Fractures and Dislocations
- 3.9. Introduction to Jaw Fractures
 - 3.9.1. Principles of Fracture Repair
 - 3.9.2. Biomechanics of Jaw Fractures
 - 3.9.3. Techniques in the Treatment of Fractures

3.10. Mandibular Fractures in the Dog and Cat

- 3.10.1. Fractures of the Jaw
- 3.10.2. Fractures of the Maxillofacial Region
- 3.10.3. Common Problems in Fracture Repair
- 3.10.4. Most Frequent Post-Surgical Complications



A comprehensive teaching program, structured in well-developed teaching units, oriented towards learning that is compatible with your personal and professional life"





tech 24 | Methodology

In a given situation, what would you do? Throughout these months, the professional will face multiple simulated clinical cases based on real patients in which he/she will have to investigate, establish hypotheses and finally, resolve the situation. This method ensures specialists learn better as they accept more responsibility and get closer to the reality of their professional future.



Re-learning 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"



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 potential or because of its uniqueness or rarity. It is essential that the case be based on current professional life, trying to recreate the real conditions in the veterinarian's professional practice.



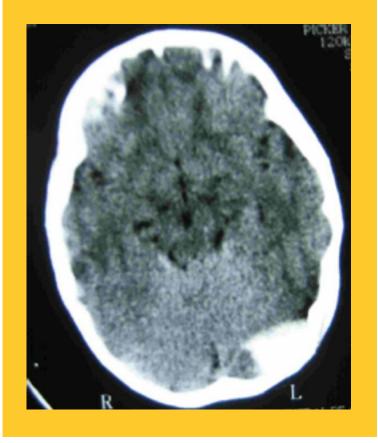
The student will be able to learn with the advantages of having access to simulated learning environments and the learning-by-observation approach, Learning from an Expert"

An immersive system of knowledge transmission, through participation in resolving real problems and supported by the best audiovisual technology on the educational market.

The Re-learning method, will help you to learn and consolidate what you have learnt in a more efficient way, as well as allowing you to achieve your training goals more quickly and with less effort.



Methodology | 27 tech



At the forefront of world teaching, the Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies with respect to the quality indicators of the best Spanish-speaking Online University. The teaching quality, the quality of the materials, the structure of the course and the objectives achieved were rated as very positive.

With more than 150,000 professionals trained in this methodology and an international satisfaction level of 8.01, relearning has proven to be at the height of the most demanding evaluation environments.

In our system, learning is not a linear process, but rather a spiral (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

More than 150,000 professionals have been trained with this methodology, achieving unprecedented success. All this in a highly demanding environment, with the highest standards of evaluation and monitoring.

This training will be based, above all, on experience. A process in which you will test the knowledge you will acquire, consolidating and improving it gradually.

In this program you will have access to the best educational material, prepared with you in mind.



Study Material

All the teaching materials are specifically created for the course, by specialists who teach on 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.



Educational Techniques and Procedures on Video

We bring you closer to the latest techniques, to the latest educational advances, to the forefront of current affairs. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



Interactive Summaries

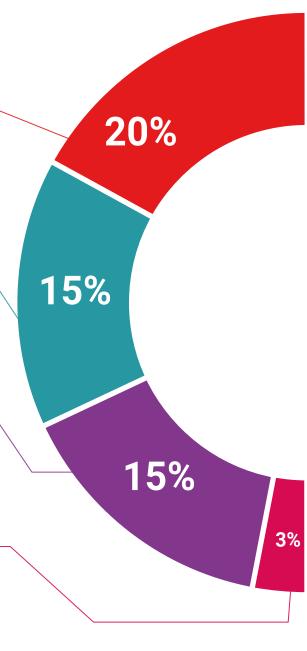
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge. This unique training system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

By participating in this course you will have access to a virtual library where you will be able to complement and keep your training up-to-date with the latest articles on the subject, consensus documents, international guidelines...

An invaluable resource that you will be able to use even when you finish your course with us.



20% 17% 7%

Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



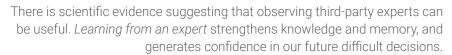
Testing & Retesting

We periodically evaluate and re-evaluate your knowledge throughout the program through assessment and self-assessment activities and exercises: so that you can see if you are achieving your goals.



Learning from an expert

Observing an expert performing a task is the most effective way of learning. It is called *Learning from an expert*: a proven way to reinforce knowledge and recall what has been learned. For this reason, we include this type of learning in our course classes.





Ouick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.







tech 32 | Certificate

This private qualification will allow you to obtain a **Postgraduate Diploma in Canine Dentistry and Oral Surgery** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra (*official bulletin*). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

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

Title: Postgraduate Diploma in Canine Dentistry and Oral Surgery

Modality: online

Duration: 6 months

Accreditation: 18 ECTS



Mr./Ms. _____, with identification document _____ has successfully passed and obtained the title of:

Postgraduate Diploma in Canine Dentistry and Oral Surgery

This is a private qualification of 540 hours of duration equivalent to 18 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024



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



Postgraduate Diploma Canine Dentistry and Oral Surgery

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

