

Postgraduate Certificate Orthopedic Physical Examination





Postgraduate Certificate Orthopedic Physical Examination

- » 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/postgraduate-certificate/orthopedic-physical-examination

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01

Introduction

Bone is a complex tissue and requires specialized knowledge to understand the fundamental activities it carries out which is why it is important for veterinary professionals to update their knowledge with the latest developments in this field.





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This training is the best option you can find to specialize in Orthopedic Physical Examination”

The teaching team of this Postgraduate Certificate in Orthopedic Physical Examination has made a careful selection of the different state-of-the-art techniques for experienced professionals working in the veterinary field.

This training program develops specialized aspects referred to the methodology to carry out an Orthopedic Physical Examination. It focuses on the protocol for the examination of a patient, from the most superficial part of the skin to the deepest part of the bone marrow, taking into account the clinical history and the observation of the patient to establish possible diagnoses.

This Postgraduate Certificate includes the 20 most important diseases and their differentiation according to the diseases of a race or sex. In addition, it establishes the way to recognize, identify and evaluate the important points in the clinical orthopedic review to carry out a correct diagnosis and a successful treatment.

The teachers in this programs are university professors with between 10 and 50 years of classroom and hospital experience. They are professors from schools on different continents, with different ways of doing surgery and with world-renowned surgical techniques. This makes this Postgraduate Certificate a unique specialization program, different from those offered at this time by other universities.

As it is an online program, the student is not constrained by fixed schedules or the need to move to another physical location, but rather, they can access the contents at any time of the day, allowing them to balance their professional or personal life with their academic life as they please.

This **Postgraduate Certificate in Orthopedic Physical Examination** is the most comprehensive and up-to-date educational program on the market. The most important features include:

- ♦ Practical case studies are presented by experts in Orthopedic Physical Examination
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Special emphasis on innovative methodologies in Orthopedic Physical Examination
- ♦ 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



Don't miss the opportunity to take this Postgraduate Certificate in Orthopedic Physical Examination with us. It's the perfect opportunity to advance your career"



This Postgraduate Certificate is the best investment you can make in selecting a refresher program to update your knowledge in Orthopedic Physical Examination”

Its teaching staff includes professionals belonging to the veterinary field who contribute their work experience to this program, in addition to recognized specialists from prestigious reference societies and 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 throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system developed by renowned and experienced experts in Orthopedic Physical Examination.

This program comes with the best educational material, providing you with a contextual approach that will facilitate your learning.

This 100% online program will allow you to balance your studies with your professional work while increasing your knowledge in this field.



02 Objectives

The Postgraduate Certificate in Orthopedic Physical Examination is oriented to facilitate the performance of the professional dedicated to veterinary medicine with the latest advances and newest treatments in the sector.



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*This is the best option to learn the latest advances
in Orthopedic Physical Examination”*



General Objectives

- ♦ Perform a physical examination of a patient in dynamics and statistics
- ♦ Differentiate the types of orthopedic diseases depending on the symptoms found at the time of physical examination
- ♦ Use audiovisual methods to make an assessment before an Orthopedic Physical Examination such as normal speed video cameras, slow motion video, metric measurements and use of goniometer



Seize the opportunity and take the step to get up to date on the latest developments in Orthopedic Physical Examination”





Specific Objectives

- ♦ Identify abnormalities in the patient by means of the medical history review
- ♦ Establish the management of a patient on arrival at the hospital for a static and dynamic orthopedic physical examination
- ♦ Determine the importance in the orthopedic physical examination of observation, inspection, palpation, tenderness and listening for joint crepitus, as well as measurement of joint range of motion
- ♦ Develop the 20 most commonly encountered diseases in dogs
- ♦ Develop the necessary skills and ability to perform a good orthopaedic clinical examination in order to make a decisive diagnosis
- ♦ Develop the ability to establish possible diagnoses by detailing the supporting diagnostic methods to obtain a definitive diagnosis

03

Course Management

The teaching staff of the program includes leading experts in Veterinary Traumatology and Orthopedic Surgery, who bring their years of experience to this program. They are world-renowned doctors from different countries with proven theoretical and practical professional experience.



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Our teaching team, experts in orthopedic physical examination, will help you achieve success in your profession”

Management



Dr. Soutullo Esperón, Ángel

- Veterinarian Specialist in Animal Traumatology
- Responsible for the Orthopedic Surgery Service in the Hospitals Fuente el Saz, Prívet, Alcor, Velázquez, Valdemoro and Felino Gattos
- Owner of ITECA Veterinary Clinic
- Degree in Veterinary Medicine from the Complutense University of Madrid
- Master's Degree in Surgery and Traumatology from the Complutense University of Madrid
- Diploma of advanced studies in Veterinary Medicine from the Complutense University of Madrid
- Member of GEVO and AVEPA Scientific Committee
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Professors

Dr. Borja Vega, Alonso

- ♦ Head of the Surgery and Ophthalmology Department at Vet 2.0 Veterinary Clinic
Founder of Vet 2.0 Veterinary Clinic
- ♦ Degree in Veterinary Medicine from the Alfonso X El Sabio University
- ♦ Master's Degree in Veterinary Ophthalmology, UAB
- ♦ Advanced General Practitioner Certificate (GPAdvCert) in Small Animal Orthopedic Surgery
Practical initiation course in Osteosynthesis, SETOV

Dr. García Montero, Javier

- ♦ Surgeon in the Traumatology and Orthopedics Service at the Cruz Verde Vetsum Veterinary Hospital
Veterinary specialist at El Pinar Veterinary Clinic
- ♦ Degree in Veterinary Medicine from the University of Cordoba
Postgraduate Degree in Traumatology and Orthopedics in Small Animals at the Complutense University of Madrid
- ♦ Postgraduate Degree in Surgery and Anesthesia at the Autonomous University of Barcelona
Member of AO VET Foundation

Dr. Guerrero Campuzano, María Luisa

- ♦ Director of the Veterinary Clinic Petiberia
Bird Veterinarian at Puy du Fou Spain
Veterinarian at Oasis Wildlife Fuerteventura Zoo
- ♦ Animal Technician at the Spanish National Cancer Research Center (CNIO)
Volunteer in the Feline Colony Spay/Neuter Campaign at ALBA Animal Protection Society
Co-author of clinical trials and scientific knowledge pills
- ♦ Degree in Veterinary Medicine from the University Alfonso X El Sabio
Master's Degree in Soft Tissue Surgery and Anesthesia in Small Animals from the

Autonomous University of Barcelona

Master's Degree in Exotic and Wild Animal Medicine and Surgery from the Complutense University of Madrid

Member of AVEPA and GMCAE

Dr. Monje Salvador, Carlos Alberto

- ♦ Head of Endoscopy and Minimally Invasive Surgery Service at ECCOA Veterinary Diagnostics
Veterinary Surgeon in Dopplervet
Responsible for Surgery and Diagnostic Imaging at Gattos Feline Clinical Center
- ♦ Veterinarian at Openvet Veterinary Hospital
Veterinary Surgeon at Unzeta Veterinary Clinic
Degree in Veterinary Medicine from the University of Santiago de Compostela
- ♦ Master's Degree in Endoscopy and Minimally Invasive Surgery in Small Animals from the University of Extremadura
Postgraduate Degree in Small Animal Surgery from the Autonomous University of Barcelona
Member of the Association of Veterinarians Specialists in Small Animals (AVEPA), the Group of Specialists in Feline Medicine AVEPA (GEMFE) and the Group of Veterinary Specialists in Traumatology and Orthopedics (GEVO)

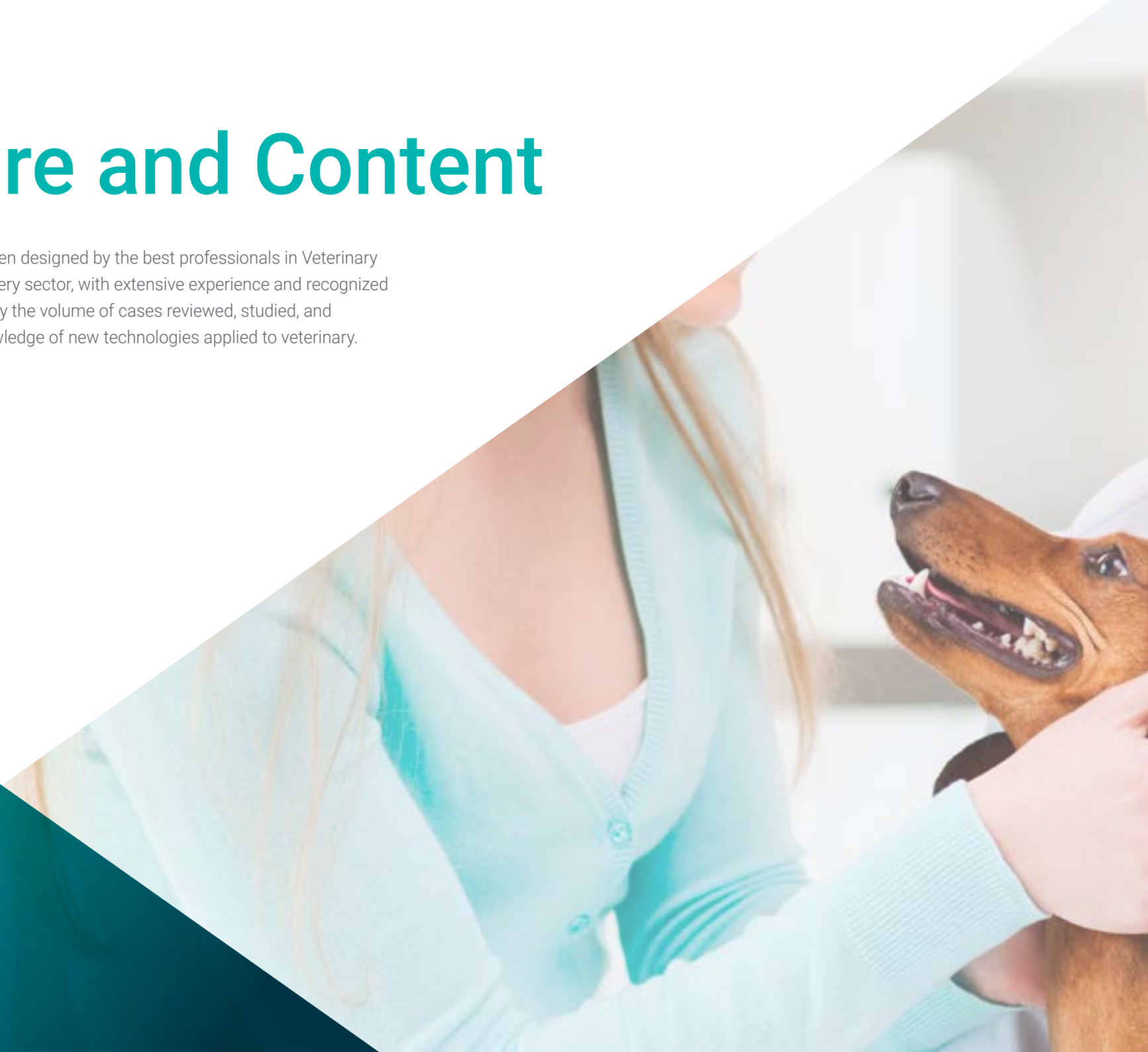
Dr. Flores Galán, José Antonio

- ♦ Head of the Traumatology, Orthopedics and Neurosurgery Service at the Privet Veterinary Hospitals
- ♦ Doctor by the Complutense University of Madrid
- ♦ Degree in Veterinary Medicine from the Complutense University of Madrid
- ♦ Specialist in Traumatology and Orthopedic Surgery in Companion Animals by the Complutense University of Madrid

04

Structure and Content

The structure of the content has been designed by the best professionals in Veterinary Traumatology and Orthopedic Surgery sector, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied, and diagnosed, and with extensive knowledge of new technologies applied to veterinary.





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We have the most complete and up-to-date scientific program on the market. We strive for excellence and we want you to achieve it too"

Module 1. Orthopedic Physical Examination

- 1.1. The Owner's First Contact with the Hospital
 - 1.1.1. Questions to Be Asked at Reception
 - 1.1.2. Appointment with the Patient
 - 1.1.3. Age, Sex, Breed
- 1.2. Dynamic Orthopedic Physical Examination
 - 1.2.1. Capturing Images and Video
 - 1.2.2. Slow Motion Video
 - 1.2.3. Front, Rear and Side Views
 - 1.2.4. Walking, Trotting, Running
- 1.3. Static Orthopedic Physical Examination
 - 1.3.1. Methodology for Its Implementation
 - 1.3.2. Degrees of Claudication
 - 1.3.3. Superficial Palpation
 - 1.3.4. Deep Palpation
 - 1.3.5. The Anatomy that One Should Know in Each Palpated Region
 - 1.3.6. Joint Ranges of Motion and the Goniometer
 - 1.3.7. According to Breed and Age Which Are the 5 Most Commonly Encountered Diseases
- 1.4. Diagnostic Imaging in Orthopedic Surgery and Traumatology I
 - 1.4.1. Radiology
 - 1.4.1.1. General Aspects
 - 1.4.1.2. Positioning, Technology and Applications
 - 1.4.2. Ultrasound
 - 1.4.2.1. General Aspects
 - 1.4.2.2. Positioning, Technology and Applications
- 1.5. Diagnostic Imaging in Orthopedic Surgery and Traumatology II
 - 1.5.1. Tomography
 - 1.5.1.1. General Aspects
 - 1.5.1.2. Positioning, Technology and Applications
 - 1.5.2. Magnetic Resonance
 - 1.5.2.1. General Aspects
 - 1.5.2.2. Positioning, Technology and Applications





- 1.6. Arthrocentesis. Joint Disease from the Point of View of Cytology
 - 1.6.1. Preparation for Arthrocentesis
 - 1.6.2. Arthrocentesis Approach in Different Regions
 - 1.6.3. Shipment of Samples
 - 1.6.4. Physical Examination of Synovial Fluid
- 1.7. Arthritis and Polyarthritis
 - 1.7.1. Types of Arthritis and Polyarthritis
 - 1.7.1.1. Autoimmunity
 - 1.7.1.2. Cells I
 - 1.7.1.3. Erlichia
 - 1.7.1.4. Ricketsia
 - 1.7.2. Clinical Diagnosis
 - 1.7.3. Differential Diagnosis
- 1.8. Osteoarthritis I
 - 1.8.1. Etiology
 - 1.8.2. Clinical and Laboratory Diagnosis
- 1.9. Osteoarthritis II
 - 1.9.1. Treatment
 - 1.9.2. Prognosis
- 1.10. Medicine, Orthopedics and Management of Exotic Species
 - 1.10.1. Birds
 - 1.10.2. Reptiles
 - 1.10.3. Small Mammals



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

05 Methodology

This program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the New England Journal of Medicine have considered it to be one of the most effective.



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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization”

At TECH, we use the Case Method

What should a professional do in a given situation? Throughout the program you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a “case”, an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, in an attempt to recreate the actual conditions in a veterinarian’s professional practice.

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Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method.

The effectiveness of the method is justified by four fundamental achievements:

1. Veterinarians who follow this method not only manage to assimilate concepts, but also develop their mental capacity through exercises to assess real situations and knowledge application.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. 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 program.



Relearning Methodology

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

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

Veterinarians will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

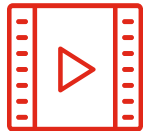
With this methodology more than 65,000 veterinarians have been prepared with unprecedented success in all clinical specialties, regardless of the surgical load. Our teaching method is developed in a highly demanding environment, where the students have a high socio-economic profile and an average age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

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

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

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.

This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then adapted in audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high-quality pieces in each and every one of the materials that are made available to the student.



Latest Techniques and Procedures on Video

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



Interactive Summaries

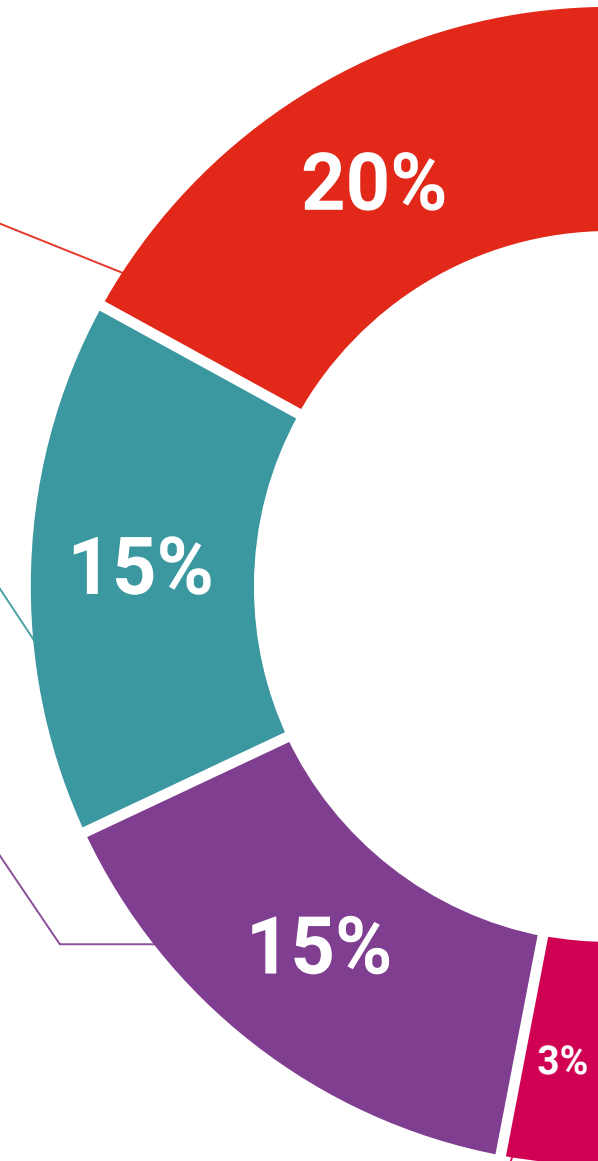
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

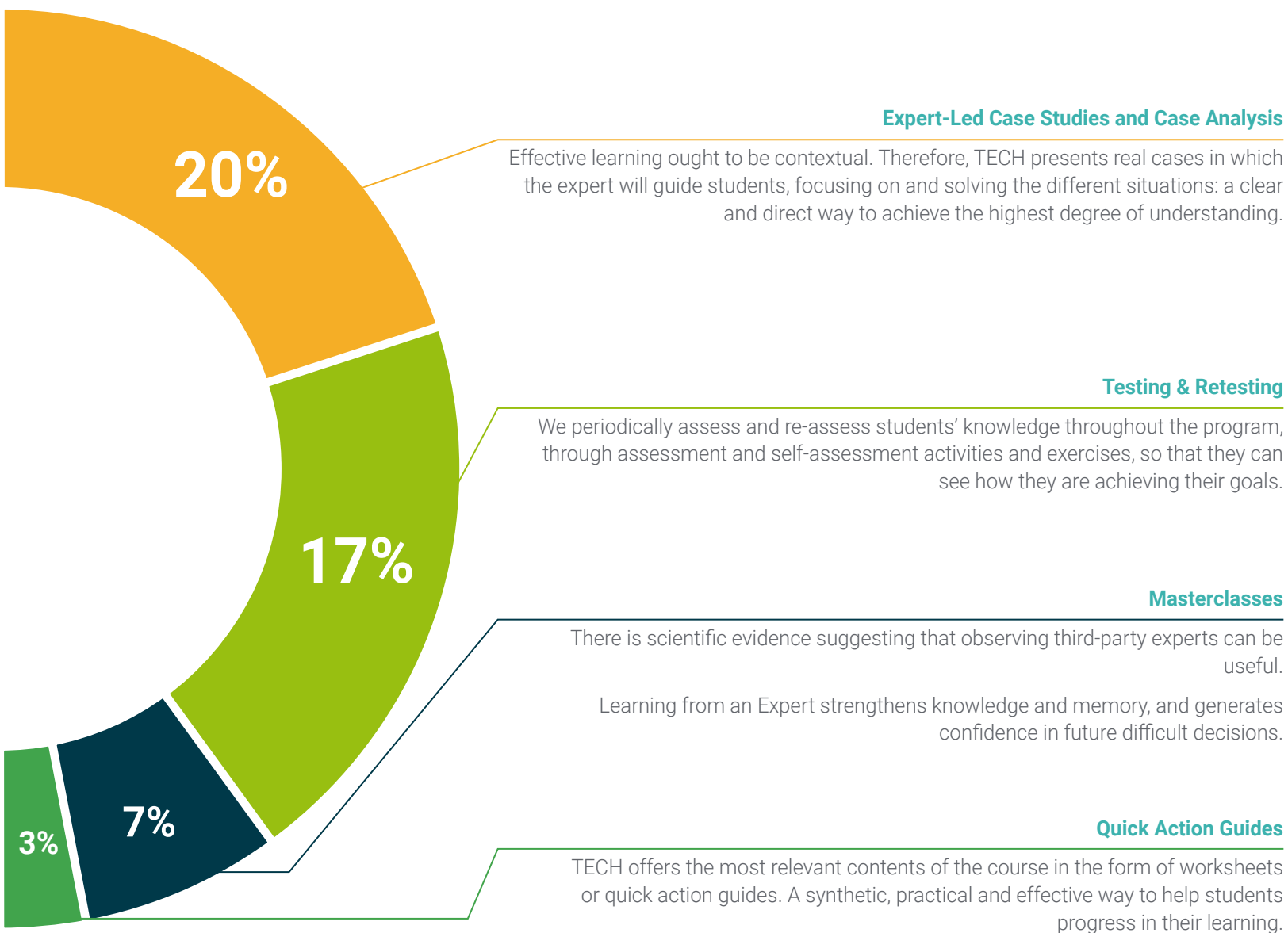
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





06 Certificate

The Postgraduate Certificate in Orthopedic Physical Examination guarantees, in addition to the most accurate and up-to-date education, 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 Orthopedic Physical Examination** 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.

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Accreditation: **6 ECTS**





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