

Postgraduate Certificate Zoonosis and Parasitosis





Postgraduate Certificate Zoonosis and Parasitosis

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 8 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicine/postgraduate-certificate/zoonosis-parasitosis

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01

Introduction

The World Health Organization warns that Zoonosis constitutes a severe public health problem, given the close contact of humans with animals in the agricultural environment or in everyday life. In fact, it represents a large percentage of all infectious diseases identified in recent years, which is why health professionals play a transcendental role. With this program, they have a unique opportunity to update their knowledge in this field and Parasitosis. To do so, they will delve into the latest advances in Epidemiology, microbiological characteristics of fungi or diagnostic methods of diseases such as Mycosis. All this, through an attractive 100% online format.





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The perfect opportunity to analyze the main control measures for Zoonosis of concern to public health systems worldwide”.

Zoonotic pathogens are very varied, being mainly bacteria, viruses, parasites or non-conventional agents. Moreover, their impact on human activity can be so great that they are likely to cause disruptions in the production and trade of animal products for food and other uses. Similarly, parasitic diseases are having a significant impact on the health systems of many countries, especially those with low economic resources. In this sense, international tourism is one of the major factors that propagate its expansion.

Therefore, the continuous updating of medical professionals is essential to address the challenging scenarios that these sets of pathologies bring at a global level. All the more reason why this Postgraduate Certificate is positioned as a highly valuable scientific-academic tool for updating with all the guarantees. During the program, students will go through the generalities of the different Zoonosis, such as their origin and prion causes.

In addition, they will go into the identification of the Etiology of the most known Mycosis infections, analyzing in detail the characteristics of Parasitosis and the immunological response of the body to parasites. All this and more they will have in a very complete program that can be completed without stepping a single day in a classroom center, being perfectly compatible with the student's professional activity. Additionally, they will be supervised by prestigious experts in this area.

This **Postgraduate Certificate in Zoonosis and Parasitosis** contains the most complete and updated scientific program in the market. Its most notable features are:

- ♦ Practical cases presented by experts in Zoonosis and Parasitosis
- ♦ 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 self-assessment can be used 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



If you want to identify with mastery generalities of Zoonosis, such as their origin or prion causes, this is your Postgraduate Certificate".

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An indispensable program to analyze the latest updates in antiparasitic drugs and their pharmacological elements”.

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 and experienced experts.

You will master all the key elements of Bovine Spongiform Encephalopathy or Rabies.

This course is for you if you were looking for an update on the body's immune response to parasites, protozoa and helminths.



02 Objectives

Since Zoonosis and Parasitosis are constantly evolving, TECH wants to provide specialists with a high-level preparation that will make a difference. In this sense, the university will provide students with the most updated vision that exists on these diseases so that no case, no matter how complex it may be, will escape its diagnostic and therapeutic capabilities. Therefore, graduates will consolidate their role as the specialists that society needs for the challenges in this area.





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With the achievement of the objectives of the course you will master with solvency any aspect related to Avian Influenza, perfecting your decision making in these cases”.

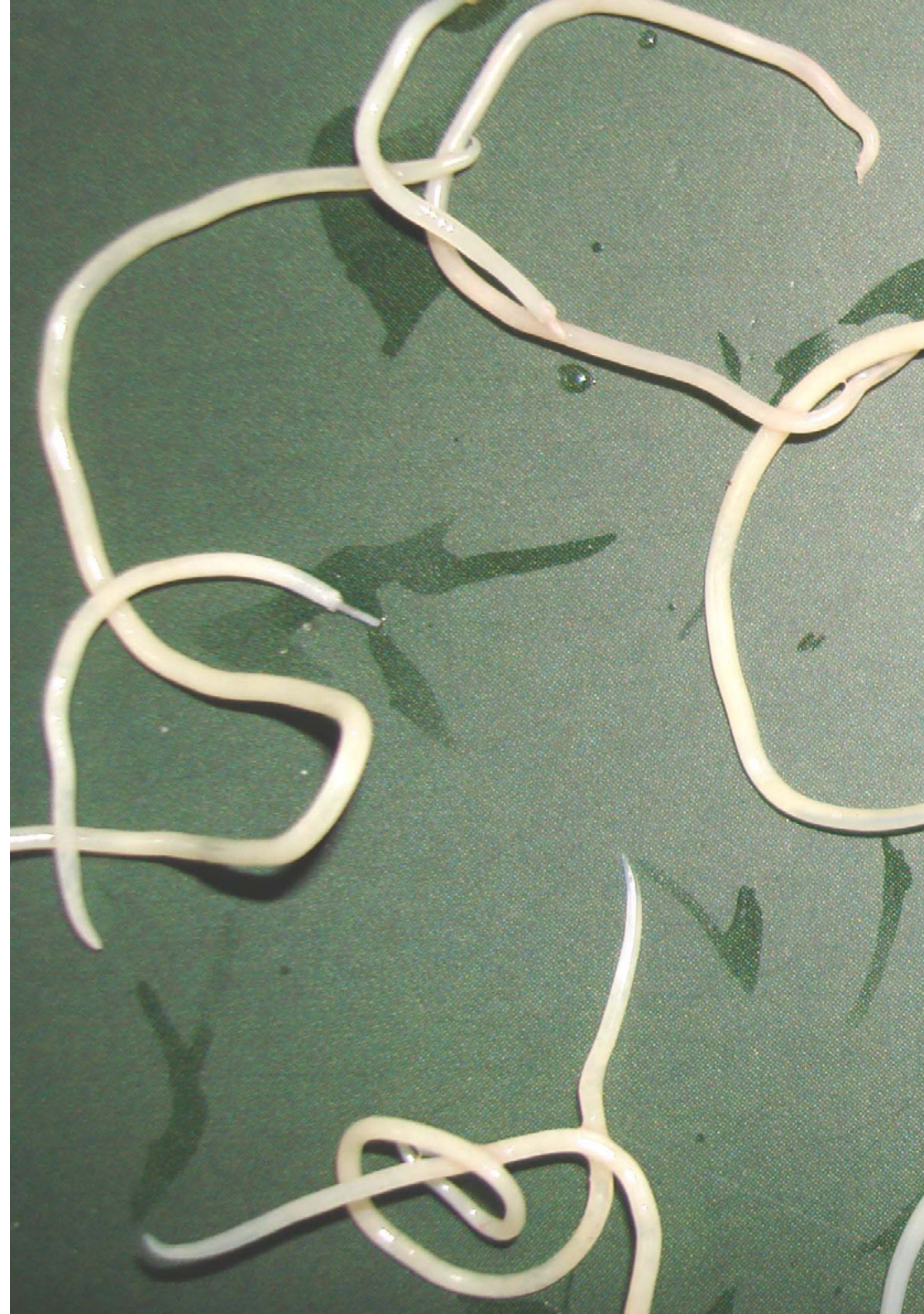


General Objectives

- ♦ Gain in-depth knowledge of key aspects of Infectious Diseases
- ♦ Manage prevention, diagnosis and treatment of infectious diseases
- ♦ Gain in-depth knowledge of the multidisciplinary and comprehensive approach to controlling these pathologies
- ♦ Acquire the relative skills in the field of Clinical Infectious Diseases and Advanced Antibiotic Therapeutics
- ♦ Be able to apply the latest technological innovations to establish an optimal diagnostic management



You will be an expert in the approach to the deepest Mycosis, such as Cryptococcosis or Histoplasmosis".





Specific Objectives

- ♦ Understand generalities of Zoonoses such as their origin and prion causes.
- ♦ Identify and analyze the main control measures for Zoonoses of concern to public health systems worldwide
- ♦ Be able to establish an accurate diagnostic picture of some of the infections transmitted by animals, as well as their treatments and clinical pictures
- ♦ Identify the etiology of the most common Mycosis infections
- ♦ Understand, in detail, the most important aspects of Parasitosis, as well as the body's immune response to parasites, protozoa and helminths
- ♦ Correctly manage the different direct and indirect diagnostic methods for Mycosis
- ♦ Know the latest updates on antiparasitics and their pharmacological components

03

Course Management

As usual in every TECH program, the teaching team that will teach the program is the best guarantee of a successful acquisition of skills by students. In this sense, experts in Microbiology and Parasitology will guide students during their academic path, providing them with the keys that have made them stand out against zoonotic pathogens and parasitic infections. In addition, the Virtual Campus will be the meeting point between students and faculty, having a close contact that will be of great benefit to the graduate.



Leptospirosis -

AV-
ICV-Ab
Weil-Felix
Widal
Lepto

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You will excel facing the most advanced zoonotic pathogens and parasitic infections thanks to the advice of a prestigious teaching team".

Management



Dr. Díaz Pollán, Beatriz

- Specialist in internal medicine with experience in infectious diseases
- Area Specialist, Department of Internal Medicine, Infectious Diseases Unit, La Paz University Hospital
- Associate Physician, Department of Internal Medicine, Infectious Diseases Unit, San Carlos Hospital
- Associate Researcher in several research projects
- Author of dozens of scientific articles on Infectious Diseases
- Master's Degree in Infectious Diseases and Antimicrobial Therapy from CEU Cardenal Herrera University
- Specialist in community and non-transmissible infections from the CEU Cardenal Herrera University
- Specialist in Infectious Diseases and Chronic and Imported Infectious Diseases from CEU Cardenal Herrera University.
- Member of the Spanish Society of Infectious Diseases and Clinical Microbiology.

Professors

Dr. Rico Nieto, Alicia

- Microbiology and Parasitology Specialist and Infectious Diseases Expert
- Assistant Physician, Infectious Diseases Unit, La Paz University Hospital, Madrid
- Specialist in Microbiology at La Paz University Hospital, Madrid
- Researcher at the Research Institute of the La Paz University Hospital, Madrid
- Author of numerous scientific publications
- Member of the Board of Directors of the Osteoarticular Infection Study Group and the Spanish Society of Infectious Diseases and Clinical Microbiology.

Dr. Loeches Yagüe, María Belén

- ♦ Attending Physician in the Infectious Diseases Unit at La Paz General: University Hospital, Madrid
- ♦ Doctorate in Medicine from the Autonomous University Madrid
- ♦ Degree in Medicine from the Complutense University of Madrid
- ♦ Master in Theoretical and Practical Learning in Infectious Diseases from the Complutense University of Madrid
- ♦ Specialized training in Microbiology and Infectious Diseases, Gregorio Marañón General University Hospital,
- ♦ Professor of Infectious Diseases, Infanta Sofía University Hospital, Madrid

Dr. Arribas López, José Ramón

- ♦ Department Head of the Infectious Diseases and Clinical Microbiology Unit at the Hospital Universitario La Paz.
- ♦ Coordinator of the High Level Isolation Unit at the Hospital La Paz - Carlos III
- ♦ Director of the Research Institute of La Paz University Hospital (IdiPAZ)
- ♦ Director of La Paz University Hospital's Foundation
- ♦ Doctor in the Infectious Diseases Unit at Barnes Hospital in the USA
- ♦ Doctor of Medicine, UAM
- ♦ Member of: Interministerial Committee for the management of the Ebola crisis

Dr. Branches Ramos, Juan Carlos

- ♦ Internal Medicine Specialist
- ♦ Attending Physician in the Infectious Diseases Unit at La Paz University Hospital,
- ♦ Intern at the University Hospital Sanitas La Zarzuela Madrid.
- ♦ PhD in Medicine and Surgery from the University of Alcalá de Henares
- ♦ Master's Degree in Infectious Diseases in Intensive Care from the Universidad-Empresa Foundation from the University of Valencia.

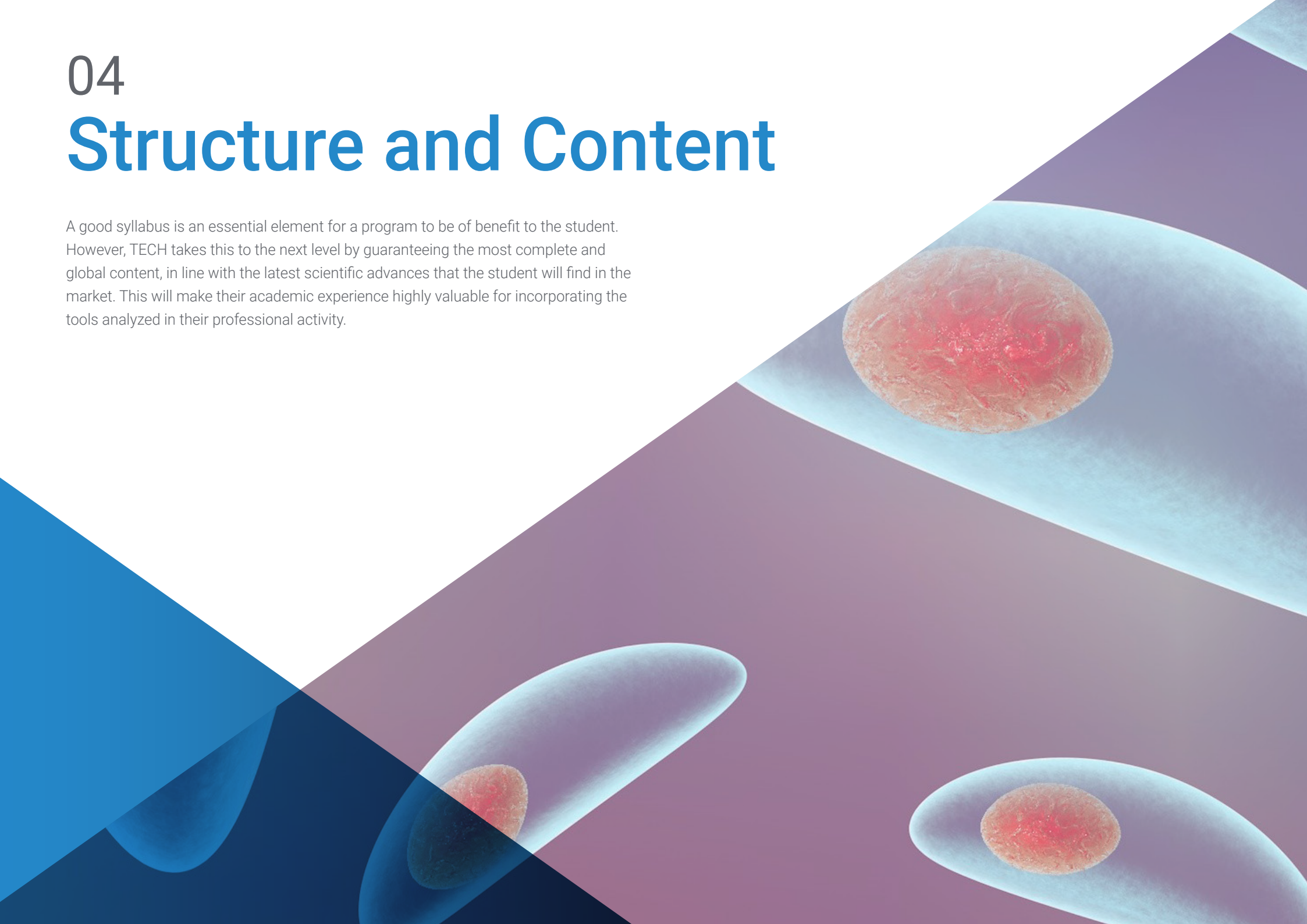
Dr. Mora Rillo, Marta

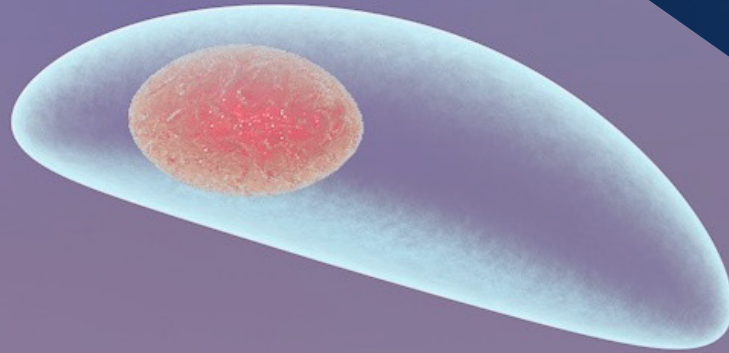
- ♦ Faculty Specialist of Internal Medicine, La Paz University Hospital, Madrid
- ♦ Clinical Researcher in Infectious Diseases
- ♦ Author of various scientific articles on Infectious Diseases
- ♦ Collaborating Teacher in university studies of Medicine
- ♦ Doctorate in Medicine from the Autonomous University Madrid
- ♦ Master's Degree in Infectious Diseases in Intensive Care by the University of Valencia
- ♦ Master's Degree in Tropical and Health Medicine from the Autonomous University of Madrid
- ♦ University Expert in Emerging and High Risk Virus Pathology, Autonomous University of Madrid

04

Structure and Content

A good syllabus is an essential element for a program to be of benefit to the student. However, TECH takes this to the next level by guaranteeing the most complete and global content, in line with the latest scientific advances that the student will find in the market. This will make their academic experience highly valuable for incorporating the tools analyzed in their professional activity.





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Leptospirosis, Brucellosis, Avian Influenza, Toxoplasmosis, etc. The most comprehensive knowledge about Zoonosis is offered by this syllabus".

Module 1. Zoonosis

- 1.1. Overview of Zoonosis
 - 1.1.1. General Concepts and Epidemiology of Zoonosis
 - 1.1.2. Main International Zoonosis
 - 1.1.3. Prion Zoonosis
 - 1.1.4. Prions in the Etiology of Diseases
 - 1.1.5. Bovine Spongiform Encephalopathy (or Mad Cow Disease)
 - 1.1.6. Main Zoonosis Control Measures
- 1.2. Rabies
 - 1.2.1. Epidemiology
 - 1.2.2. Infectious Agents
 - 1.2.3. Pathobiology
 - 1.2.4. Clinical Picture
 - 1.2.5. Diagnosis
 - 1.2.6. Treatment
- 1.3. Avian Influenza
 - 1.3.1. Epidemiology
 - 1.3.2. Infectious Agents
 - 1.3.3. Pathobiology
 - 1.3.4. Clinical Picture
 - 1.3.5. Diagnosis
 - 1.3.6. Treatment
- 1.4. Leptospirosis
 - 1.4.1. Epidemiology
 - 1.4.2. Infectious Agents
 - 1.4.3. Pathobiology
 - 1.4.4. Clinical Picture
 - 1.4.5. Diagnosis
 - 1.4.6. Treatment



- 1.5. Brucellosis
 - 1.5.1. Epidemiology
 - 1.5.2. Infectious Agents
 - 1.5.3. Pathobiology
 - 1.5.4. Clinical Picture
 - 1.5.5. Diagnosis
 - 1.5.6. Treatment
- 1.6. Toxoplasmosis
 - 1.6.1. Epidemiology
 - 1.6.2. Infectious Agents
 - 1.6.3. Pathobiology
 - 1.6.4. Clinical Picture
 - 1.6.5. Diagnosis
 - 1.6.6. Treatment

Module 2. Mycosis and Parasitosis in Infectious Diseases

- 2.1. General Information on Fungi
 - 2.1.1. General Features of Fungi
 - 2.1.2. Immune Response to Fungi
- 2.2. Diagnostic Methods for Mycosis
 - 2.2.1. Direct Methods
 - 2.2.2. Indirect Methods
- 2.3. Superficial Mycosis: Tinea and Epidermatophytosis
 - 2.3.1. Definition
 - 2.3.2. Etiology
 - 2.3.3. Clinical Picture
 - 2.3.4. Diagnosis
 - 2.3.5. Treatment
- 2.4. Deep Mycosis
 - 2.4.1. Cryptococcosis
 - 2.4.2. Histoplasmosis
 - 2.4.3. Aspergillosis
 - 2.4.4. Other Mycosis

- 2.5. Update on Antifungals
 - 2.5.1. Pharmacological Elements
 - 2.5.2. Clinical Use
- 2.6. General Overview of Parasitic Diseases
 - 2.6.1. General Features of Microbiological Parasites
 - 2.6.2. Immune Response to Parasites
 - 2.6.3. Immune Response to Protozoa
 - 2.6.4. Immune Response to Helminths
- 2.7. Diagnostic Methods for Parasitosis
 - 2.7.1. Diagnostic Methods for Protozoa
 - 2.7.2. Diagnostic Methods for Helminths
- 2.8. Intestinal Parasitosis
 - 2.8.1. Ascariasis
 - 2.8.2. Oxiuriasis
 - 2.8.3. Hookworm Disease and Necatoriasis
 - 2.8.4. Trichuriasis
- 2.9. Tissue Parasitosis
 - 2.9.1. Malaria.
 - 2.9.2. Trypanosomiasis
 - 2.9.3. Schistosomiasis
 - 2.9.4. Leishmaniasis
 - 2.9.5. Filariasis
- 2.10. Update on Antiparasitics
 - 2.10.1. Pharmacological Elements
 - 2.10.2. Clinical Use

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.



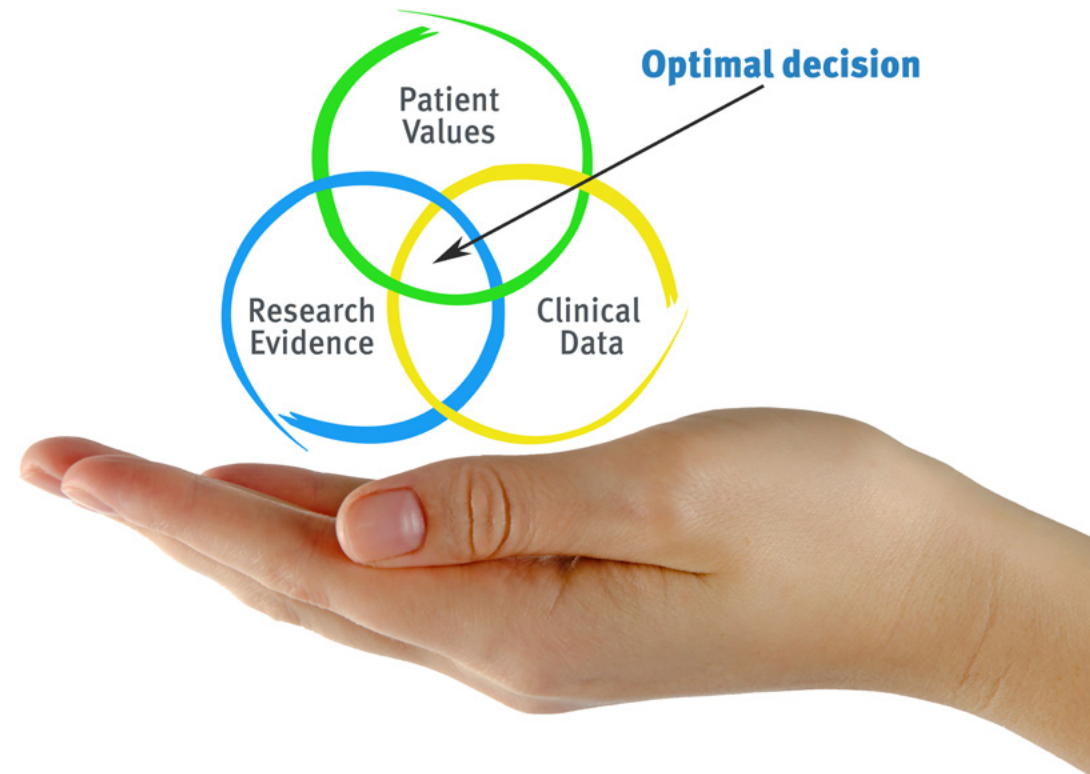
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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization”

At TECH, we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately 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. Gérvás, 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, trying to recreate the real conditions in the physician’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. 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.



Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

Professionals 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 250,000 physicians have been prepared with unprecedented success in all clinical specialties regardless of surgical load. Our educational methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

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.

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.



Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical 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

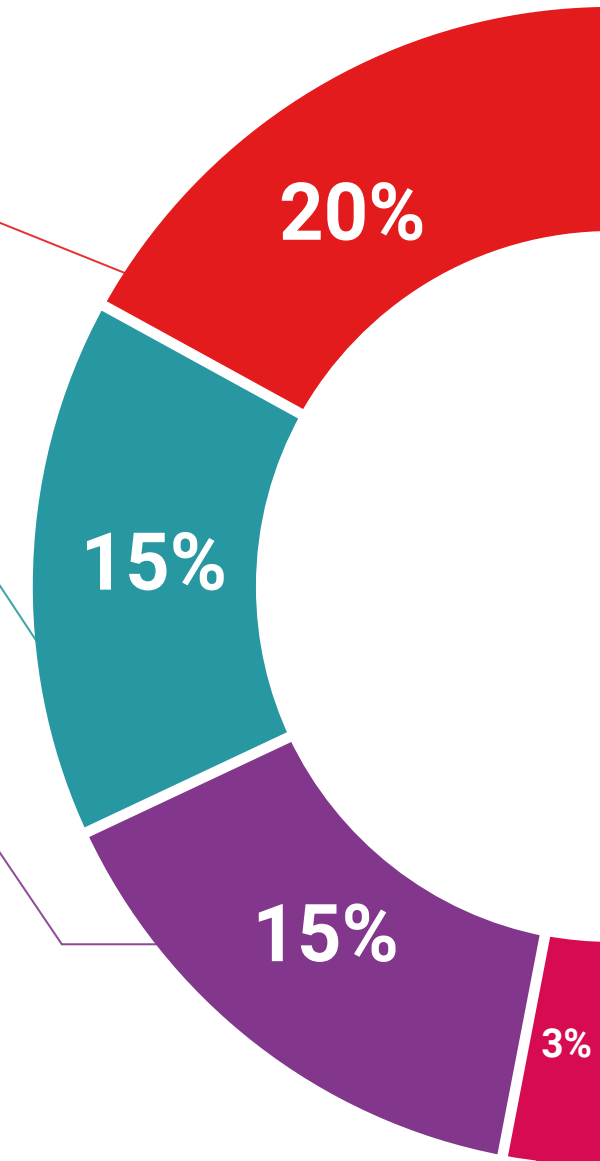
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

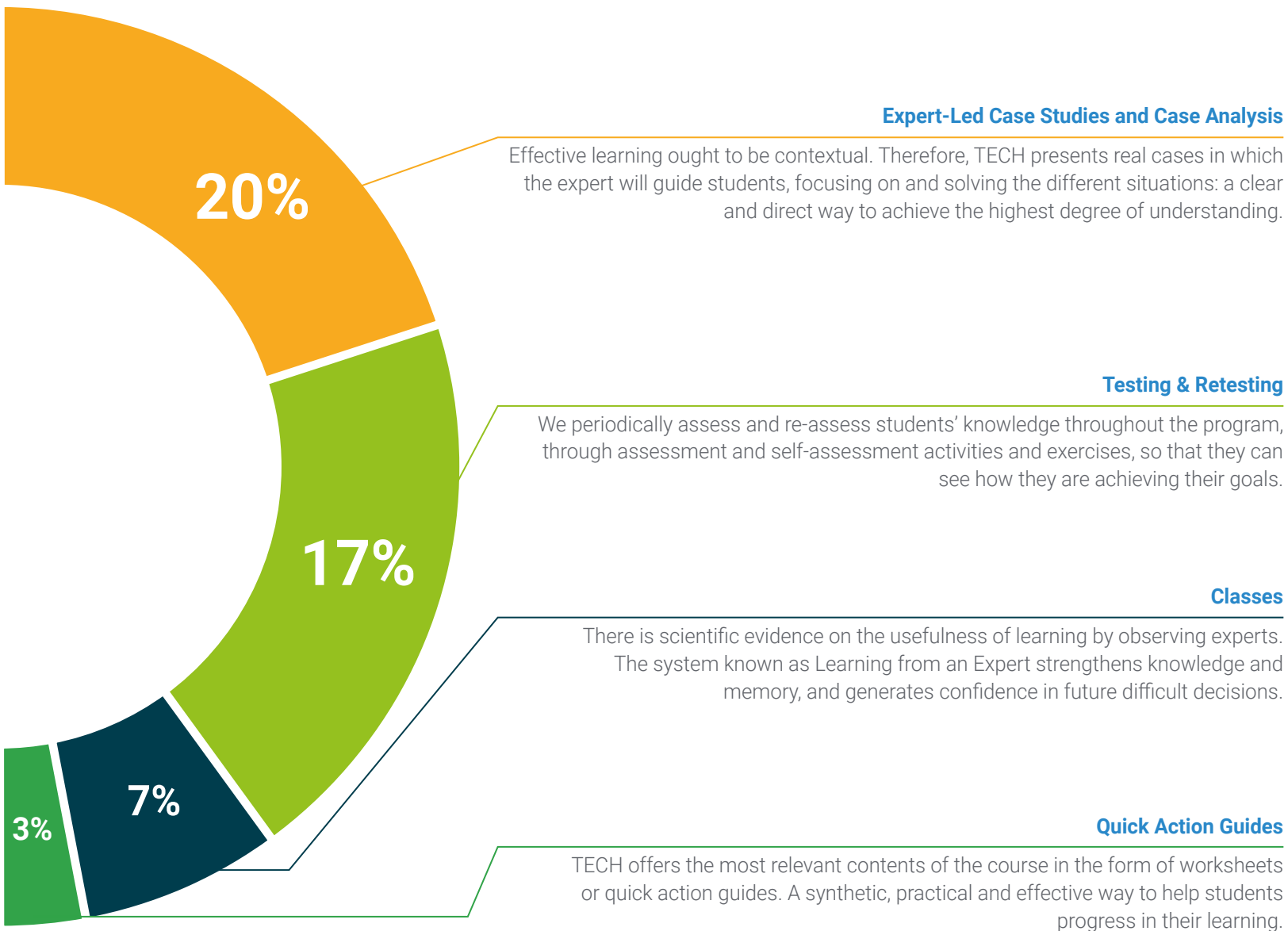
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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 Zoonosis and Parasitosis guarantees students, in addition to the most rigorous and up-to-date education program, 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 diploma for the **Postgraduate Certificate in Zoonosis and Parasitosis** 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 Zoonosis and Parasitosis**

Modality: **online**

Duration: **6 weeks**

Accreditation: **8 ECTS**



future
health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present training
development languages
virtual classroom



Postgraduate Certificate Zoonosis and Parasitosis

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Postgraduate Certificate

Zoonosis and Parasitosis

BRUCELLOSIS

Laboratory testing

tech global
university