

# Postgraduate Certificate

## Infections in International Travel





## Postgraduate Certificate Infections in International Travel

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 3 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-certificate/infections-international-travel](http://www.techtute.com/us/medicine/postgraduate-certificate/infections-international-travel)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 20*

06

Certificate

---

*p. 28*

# 01

# Introduction

The evolution of tourism has made society even more global and interconnected, this has caused that certain infections, until a few years ago typical of exotic or developing countries, are proliferating exponentially. Therefore, it is important that the health professional is updated in new research on infectious diseases, something that will be achieved with guarantees in this program. Therefore, they will delve into the main diseases that occur in these cases and their treatments to be even more effective in their diagnosis, examining the role of health controls at origin and destination. Undoubtedly, a valuable preparation that the student will be able to develop in a completely online way.





“

*An essential qualification to update you in the context of morbidity and mortality due to infections of the international traveler”.*

The COVID-19 pandemic has perfectly captured how international mobility drastically spreads a large number of infectious diseases. Pathogens that were once confined to one region are now reaching a global dimension, making it crucial that scientific research advances at least as fast as they do. In this sense, the development of vaccines or sanitary controls are decisive elements in combating these scenarios, and the continuous updating of physicians in this changing reality is relevant.

Fortunately for them, in this TECH course they will find everything they need to obtain a high level of preparation in the field. Therefore, the program will allow them to master with solvency the procedures to be executed for the control of the spread of infectious diseases due to international mobility, always in line with the latest scientific evidence.

To this end, students will go through a complete overview of the main vaccines that the international traveler should be administered, also analyzing the most appropriate pharmacological treatment according to the geographical area visited. In the same way, they will go deeper into the preventive measures to be taken in tropical regions or the importance of the correct functioning of health controls.

Therefore, students will have a current preparation in an area that will continue to have an enormous dimension in the future. All this, from the hand of a solid team of experts in the field and through a Virtual Campus that provides the utmost flexibility for the student to customize their academic experience.

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

- ♦ The development of case studies presented by experts in the transmission of infectious diseases.
- ♦ 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.



*If you were looking for a program that will examine in detail the main vaccines for the international traveler, you have found the perfect program".*

“

*You will get the broadest and most comprehensive view on 'Traveler's Diarrhea', incorporating the latest epidemiological tools and knowledge into your work methodology for fast and effective action"*

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 and experienced experts.

*You will analyze at length the situations of prophylaxis in the international traveler, determining the appropriate pharmacological treatment according to the tropical region visited.*

*You will delve into the sanitary controls applicable to the traveler, establishing the fundamentals of an effective operation that avoids the spread of infectious pathogens.*



# 02 Objectives

The current global context, with a fully interconnected society that promotes international mobility, raises the interest of a program of these characteristics. That is why TECH has been very meticulous in its design so that the program contains all the keys that allow the medical specialist to perform with guarantees in any scenario, no matter how demanding it may be. In this way, they will obtain the high-level preparation they were looking for in the identification and advanced diagnosis of common infections in travelers and the most effective treatments.





“

*The objectives of this program will make you a valuable asset in the fight to prevent new pandemics that threaten global health.”*



## 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



*This is the ideal program to master all aspects related to fever upon return home of an international traveler, with a focus on its etiology and rapid diagnosis".*





## Specific Objectives

---

- ♦ Highlight the importance of morbidity and mortality from infections in the international traveler.
- ♦ Explain the health controls for international travelers
- ♦ Know and identify the most common infections for international travelers such as "fever on returning from a trip " or traveller's "diarrhea"



03

# Course Management

A program with such a close connection to international current affairs deserves to have a teaching staff of eminent experts in the field. And TECH has ensured that this is the case, bringing together a powerful faculty of experts in infectious pathologies, Microbiology and Tropical Medicine who have developed professionally in leading clinical institutions. Therefore, the expectations of the students with the Postgraduate Certificate will be even exceeded.







“

*The time has come to update your knowledge with the best experts in Tropical Medicine and benefit from their experience in leading clinical institutions".*

## Management



### Rank. Last Name, First Name

- 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 La Paz University Hospital, Madrid
- Author of numerous scientific publications
- Member of: Board of Directors of the Osteoarticular Infection Study Group and the Spanish Society of Infectious Diseases and Clinical Microbiology

### Dr. Loeches Yagüe, María Belén

- Assistant Physician, Infectious Diseases Unit, Department of Infectious Diseases, 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 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 USA  
Doctor in Medicine from the UAM
- ♦ Member of: Interministerial Committee for the management of the Ebola crisis

**Dr. Branches Ramos, Juan Carlos**

- ♦ Internal Medicine Specialist
- ♦ Assistant Physician, Infectious Diseases Unit, La Paz University Hospital, Madrid
- ♦ 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**

- ♦ Specialist in Internal Medicine at the 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 from 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

TECH is aware that the elements for a quality education go far beyond the simple memorization of content. For this reason, TECH incorporates in its syllabus an advanced methodology called Relearning. This is based on the reiteration of the concepts of the syllabus based on a series of multimedia formats, such as video medical procedures, interactive summaries, master classes or complementary readings. The combination of these and other resources will facilitate the deepening of ideas, significantly boosting academic performance.

CERTIFICADO INTERNACIONAL  
DE VACUNACIÓN

INTERNATIONAL CERTIFICATE  
OF VACCINATION

CERTIFICAT INTERNATIONAL  
DE VACCINATION



“

*A syllabus with a comprehensive approach to address key elements such as imported infectious pathology of the international traveler.”*

## Module 1. Infectious Diseases in International Travelers

- 1.1. Vaccines in the International Traveler
  - 1.1.1. Vaccines in the International Traveler
  - 1.1.2. Vaccination Against Yellow Fever
- 1.2. Prophylaxis for Travelers to Tropical Areas
  - 1.2.1. Pharmacological Treatment According to the Geographical Area to be visited
  - 1.2.2. Glucose-6-Phosphate Dehydrogenase Deficiency and Antimalarial Drugs
  - 1.2.3. Preventive Measures for Travelers in Tropical Areas
- 1.3. Traveler's Diarrhea
  - 1.3.1. Epidemiology
  - 1.3.2. Etiology
  - 1.3.3. Clinical Manifestations
  - 1.3.4. Diagnosis
  - 1.3.5. Treatment
- 1.4. Health Screening of International Travelers
- 1.5. Fever on Return from International Travel
  - 1.5.1. Main Etiologies
  - 1.5.2. Diagnostic Approach
  - 1.5.3. Imported Infectious Pathology in the International Traveler







“

*A syllabus containing everything you need to know about Yellow Fever vaccination. Access this and other content with your favorite electronic device!"*

# 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.





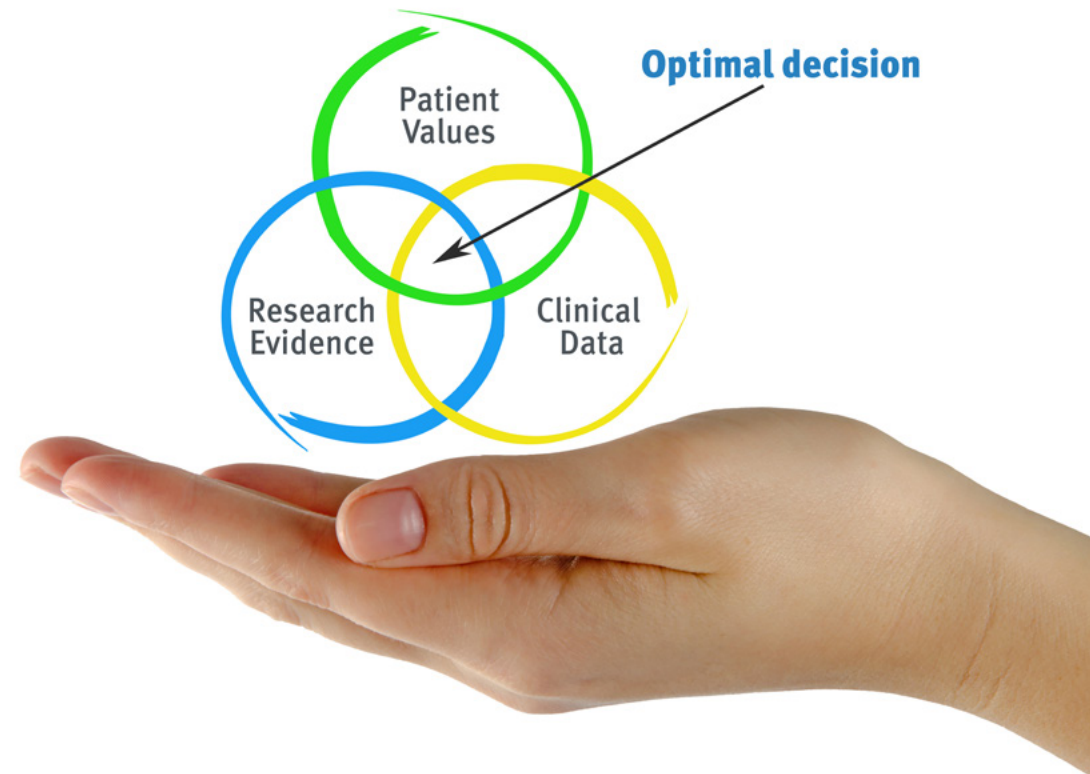
“

*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. Gervas, 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.

“

*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.

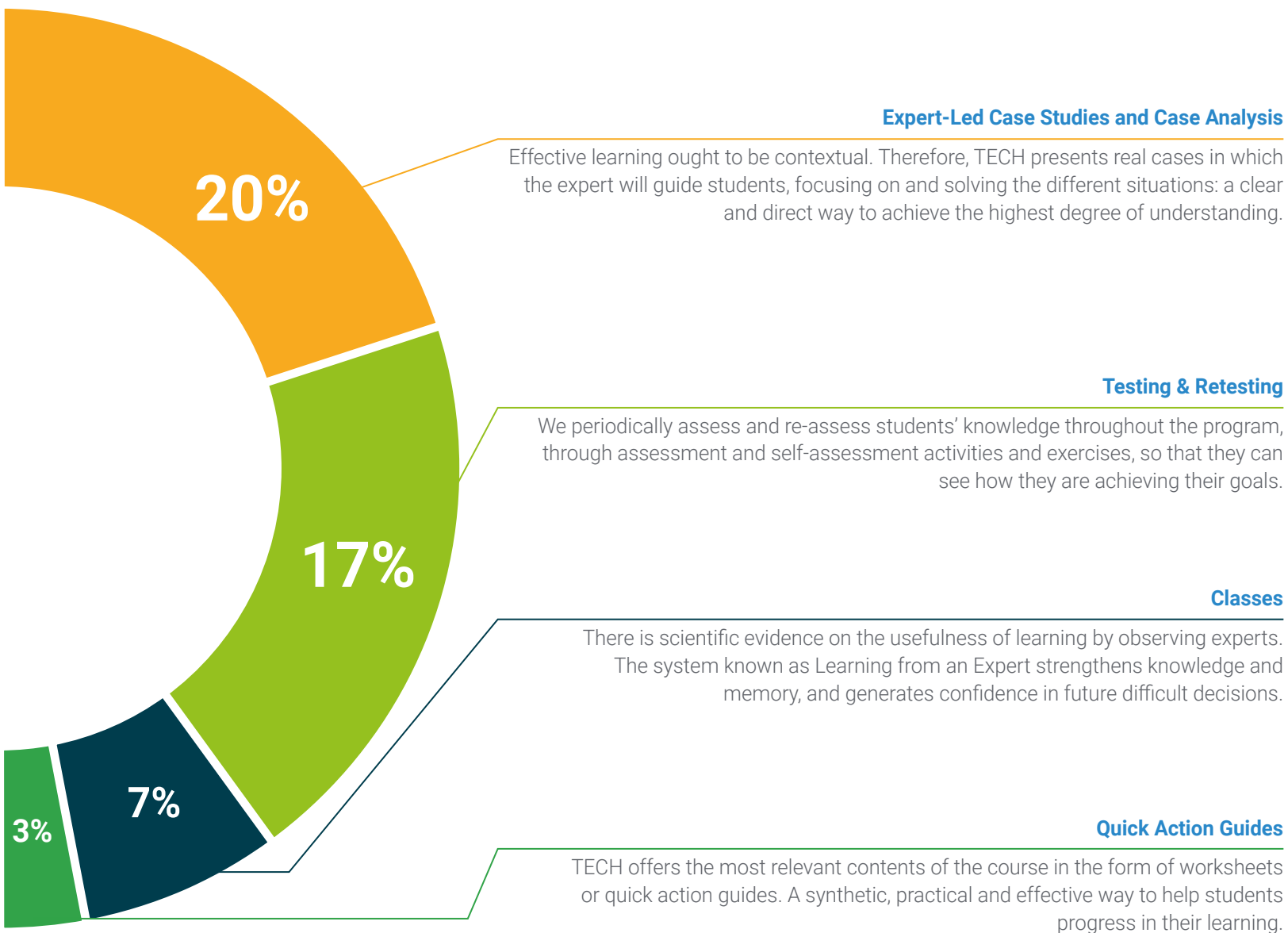
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### 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 Infections in International Travel guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



“

*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 Infections in International Travel** 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 Infections in International Travel**

Modality: **online**

Duration: **6 weeks**

Accreditation: **3 ECTS**







## Postgraduate Certificate Infections in International Travel

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 3 ECTS
- » Schedule: at your own pace
- » Exams: online

# Postgraduate Certificate

## Infections in International Travel