

Postgraduate Certificate

Techniques and Instruments for Data
Collection and Analysis in Qualitative
Educational Research





Postgraduate Certificate

Techniques and Instruments for Data Collection and Analysis in Qualitative Educational Research

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

Website: www.techtitute.com/us/education/postgraduate-certificate/techniques-instruments-data-collection-analysis-qualitative-educational-research

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01

Introduction

This program is designed to provide access to specific knowledge in Techniques and Instruments for Data Collection and Analysis in Qualitative Educational Research, in an intensive, practical and rigorous way. Great value for any teacher who wants to incorporate the techniques in the classroom.





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In-depth knowledge in Techniques and Instruments for Data Collection and Analysis in Qualitative Educational Research and its multiple implications, in a comprehensive Postgraduate Certificate designed to propel you to another professional level”

This Postgraduate Certificate provides the knowledge required to train professionals in Educational Research. It delves into reflection and methodological practices, emphasizing the latest developments in Educational Research.

This high-level program provides students with the knowledge and tools required to analyze education and its links between research and experience.

Throughout this program, students will cover all the current approaches in Techniques and Instruments for Data Collection and Analysis in Qualitative Educational Research in the different challenges that their profession as teachers poses.

Experimental research will be the subject of work and study that the students will be able to integrate in their education. A high-level step that will become a process of improvement, not only on a professional level, but also on a personal level.

This challenge is one of TECH Global University's social commitments: to help train highly qualified professionals and develop their personal, social and labor skills throughout their training.

Not only does it cover the theoretical knowledge offered, but it also shows another way of studying and learning, one which is more organic, simpler and more efficient. TECH works to keep you motivated and to develop a passion for learning within you. And it will push you to think and develop critical thinking.

High level training, supported by advanced technological development and the teaching experience of the best professionals. These are some of its differential qualities:

This **Postgraduate Certificate in Techniques and Instruments for Data Collection and Analysis in Qualitative Educational Research** contains the most complete and up-to-date educational program on the market. The most important features of the program include:

- » The latest technology in online teaching software
- » A 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
- » Autonomous 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 that are permanently available, even after the course



A program created for professionals who aspire for excellence, and that will enable you to acquire new skills and strategies easily and effectively"

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A thorough and complete immersion in the strategies and approaches in Techniques and Instruments for Data Collection and Analysis in Qualitative Educational Research"

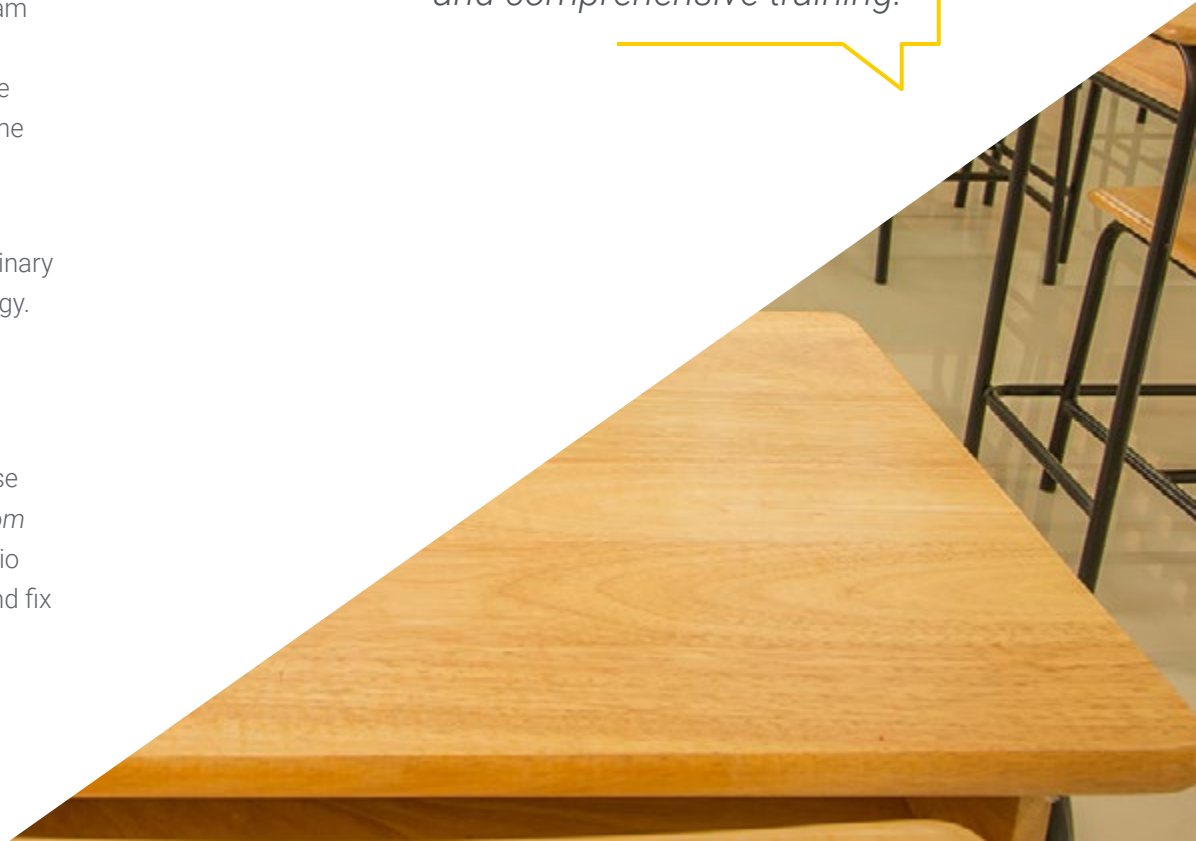
Our teaching staff is made up of working professionals. In this way, TECH ensure that we provide you with the up-to-date training we are aiming for. A multidisciplinary team of qualified and experienced specialists in different environments, who will develop the theoretical knowledge in an efficient manner, but, above all, will put at the service of the graduate the practical knowledge derived from their own experience: one of the differential qualities of this Postgraduate Certificate.

This mastery of the subject is complemented by the effectiveness of the methodological design of this Postgraduate Certificate. Developed by a multidisciplinary team of e-learning experts, it integrates the latest advances in educational technology. As such, students will be able to study with a range of convenient and versatile multimedia tools that will give them the operability they need in their education.

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 facing the scenario you are learning at that moment. A concept that will make it possible to integrate and fix learning in a more realistic and permanent way.

Achieve professional success with this high-level training.

The basic processes of cognitive development in relation to learning and school development, in an intensive and comprehensive training.



02

Objectives

The objective is to train highly qualified professionals for work experience. An objective that is complemented, moreover, in a global manner, by promoting human development that lays the foundations for a better society. This objective is focused on helping professionals reach a much higher level of expertise and control. A goal that, in just a few months, can be achieved with a high intensity and precision Postgraduate Certificate.



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If your goal is to improve in your profession, to acquire a qualification that will enable you to compete among the best, then look no further: welcome to TECH”



General Objectives

- » Qualify professionals for the exercise of Techniques and Instruments for Data Collection and Analysis in Qualitative Educational Research
- » Learn how to carry out specific programs to improve school performance
- » Analyze and integrate the knowledge necessary to foster student's school and social development

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Our objective is very simple: to offer you quality training, with the best teaching system available today, so that you can achieve excellence in your profession"





Specific Objectives

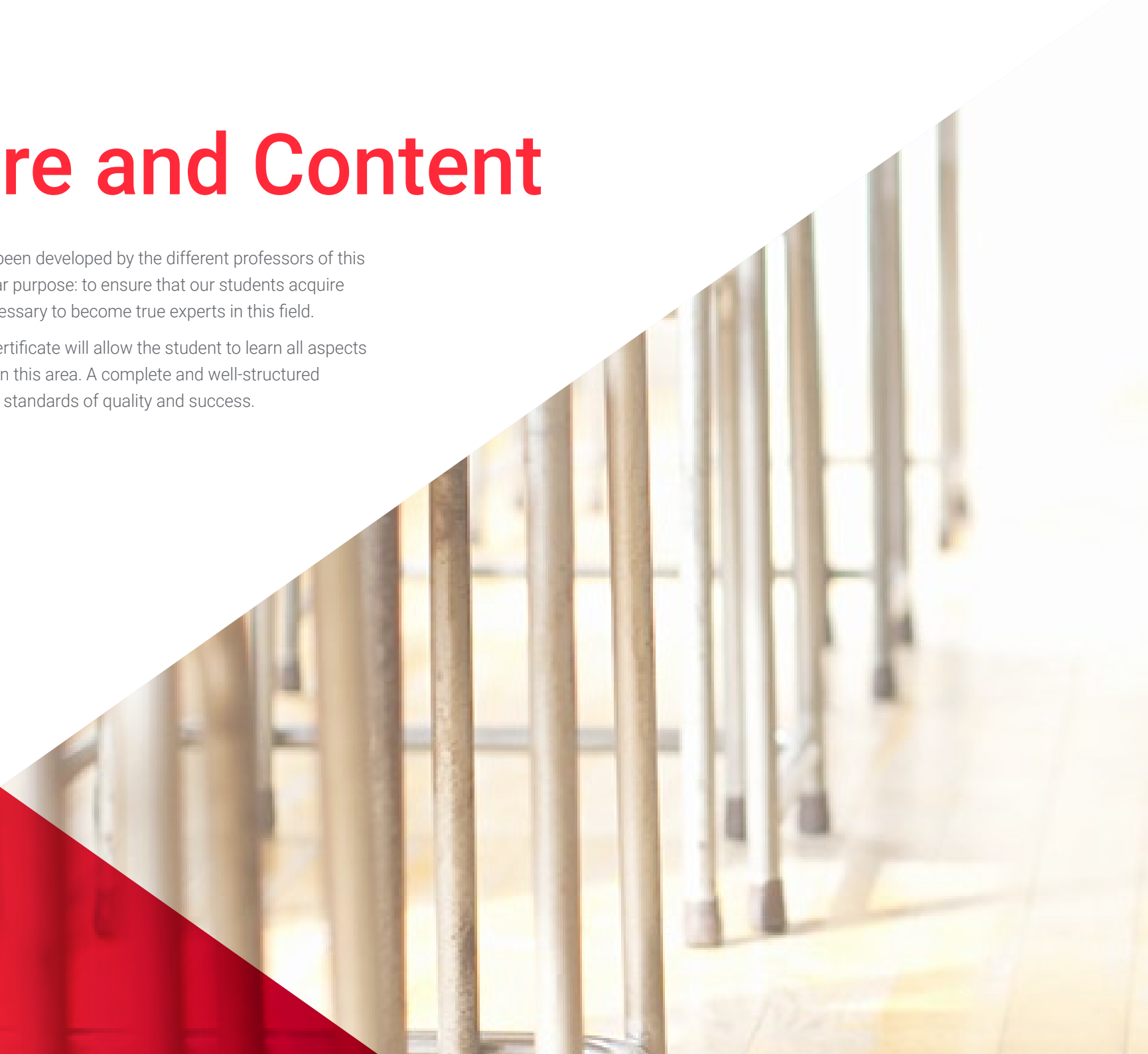
- » Know the techniques for categorizing, analyzing and summarizing qualitative information
- » Know the quality of the instruments
- » Identify and properly use the instruments used to collect information.
- » Adequately record the information obtained through the observation technique
- » Know the ethics of qualitative information

03

Structure and Content

The contents of this program have been developed by the different professors of this Postgraduate Certificate, with a clear purpose: to ensure that our students acquire each and every one of the skills necessary to become true experts in this field.

The content of this Postgraduate Certificate will allow the student to learn all aspects of the different disciplines involved in this area. A complete and well-structured program will take you to the highest standards of quality and success.



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Through a complete but very well compartmentalized development, you will be able to access the most advanced knowledge at the moment in Techniques and Instruments for Data Collection and Analysis in Qualitative Educational Research”

Module 1. Techniques and Instruments for Data Collection in Qualitative Research

- 1.1. Introduction
 - 1.1.2. Research Methodology qualitative
 - 1.1.3. Qualitative Research Techniques
 - 1.1.4. Phases of Qualitative Research
- 1.2. Observation
 - 1.2.1. Introduction
 - 1.2.2. Observation Categories
 - 1.2.3. Types of Observation: Ethnographic, Participant, and Non-Participant
 - 1.2.4. What, How and When to Observe
 - 1.2.5. Ethical Considerations of Observation
 - 1.2.6. Content Analysis
- 1.3. Interview Techniques
 - 1.3.1. Introduction
 - 1.3.2. Definition of Interview
 - 1.3.3. Characteristics of the Interview
 - 1.3.4. The Purpose of the Interview
 - 1.3.5. Types of Interviews
 - 1.3.6. Advantages and Disadvantages of the Interview
- 1.4. Discussion Group and Focus Group Techniques
 - 1.4.1. Introduction
 - 1.4.2. Discussion Groups
 - 1.4.3. Objectives that Can Be Considered: Advantages and Disadvantages
 - 1.4.4. Issues for Discussion
- 1.5. SWOT and Delphi Technique
 - 1.5.1. Introduction
 - 1.5.2. Characteristics of Both Techniques
 - 1.5.3. SWOT Technique
 - 1.5.4. Delphi Technique
 - 1.5.5. Preliminary Tasks Before Starting a Delphi
- 1.6. Life History Method
 - 1.6.1. Introduction
 - 1.6.2. Life History
 - 1.6.3. Method Characteristics
 - 1.6.4. Types
 - 1.6.5. Phases
- 1.7. The Field Diary Method
 - 1.7.1. Introduction
 - 1.7.2. Concept of Field Diary
 - 1.7.3. Field Diary Characteristics
 - 1.7.4. Structure of the Field Diary
- 1.8. Discourse and Image Analysis Technique
 - 1.8.1. Introduction
 - 1.8.2. Features
 - 1.8.3. Discourse Analysis Concept
 - 1.8.4. Discourse Analysis Types
 - 1.8.5. Levels of Discourse
 - 1.8.6. Image Analysis
- 1.9. The Case Study Method
 - 1.9.1. Introduction
 - 1.9.2. Concept of Case Studies
 - 1.9.3. Types of Cases Study
 - 1.9.4. Design of the Cases Study
- 1.10. Classification and Analysis of Qualitative Data
 - 1.10.1. Introduction
 - 1.10.2. Categorization of Data
 - 1.10.3. Data Coding
 - 1.10.4. Theorizing Data
 - 1.10.5. Triangulation of Data
 - 1.10.6. Data Exhibition
 - 1.10.7. Writing Analytical Reflections. Memoing



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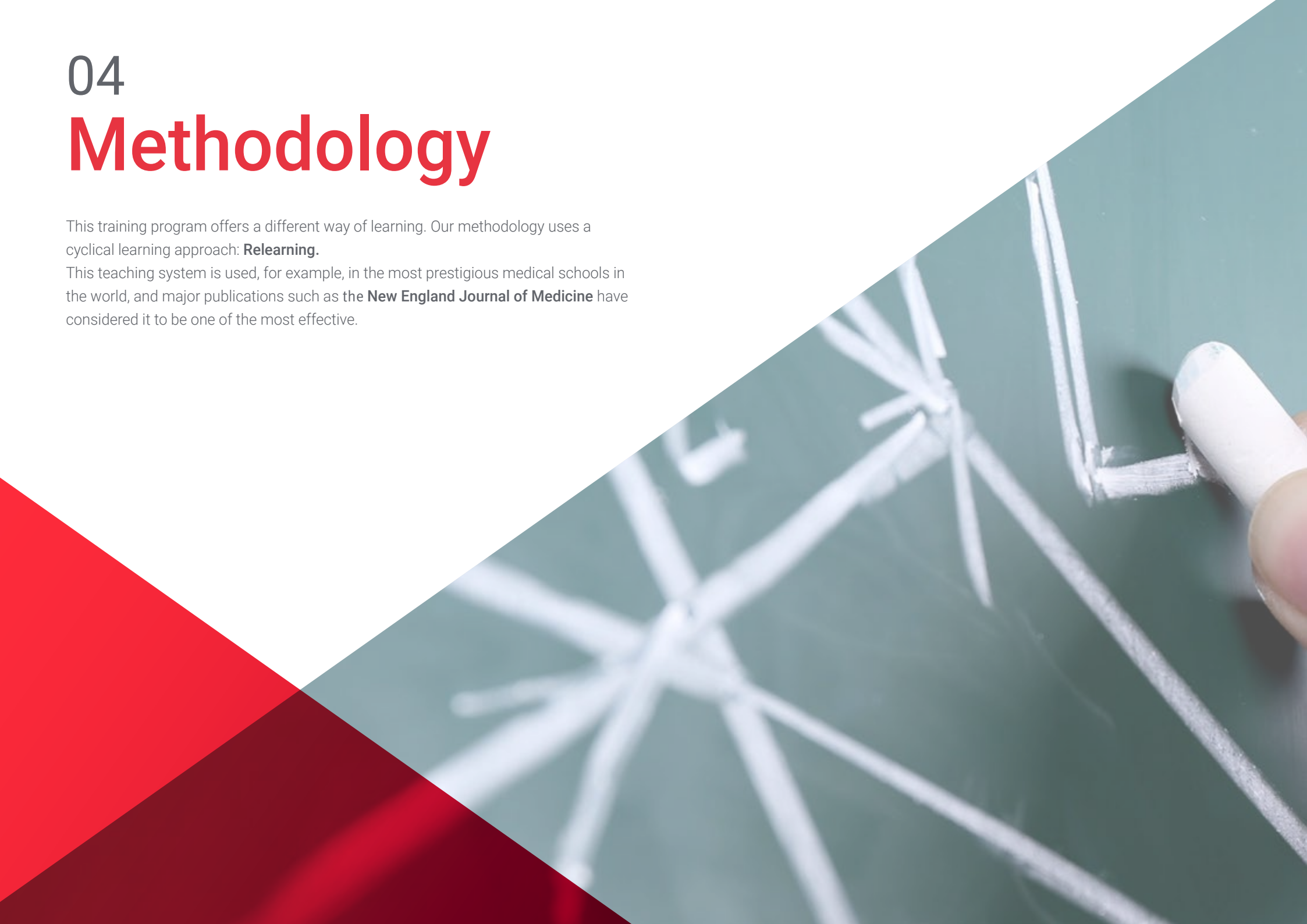
A complete training that will take you through the knowledge you need to compete among the best”

04

Methodology

This training program offers 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.





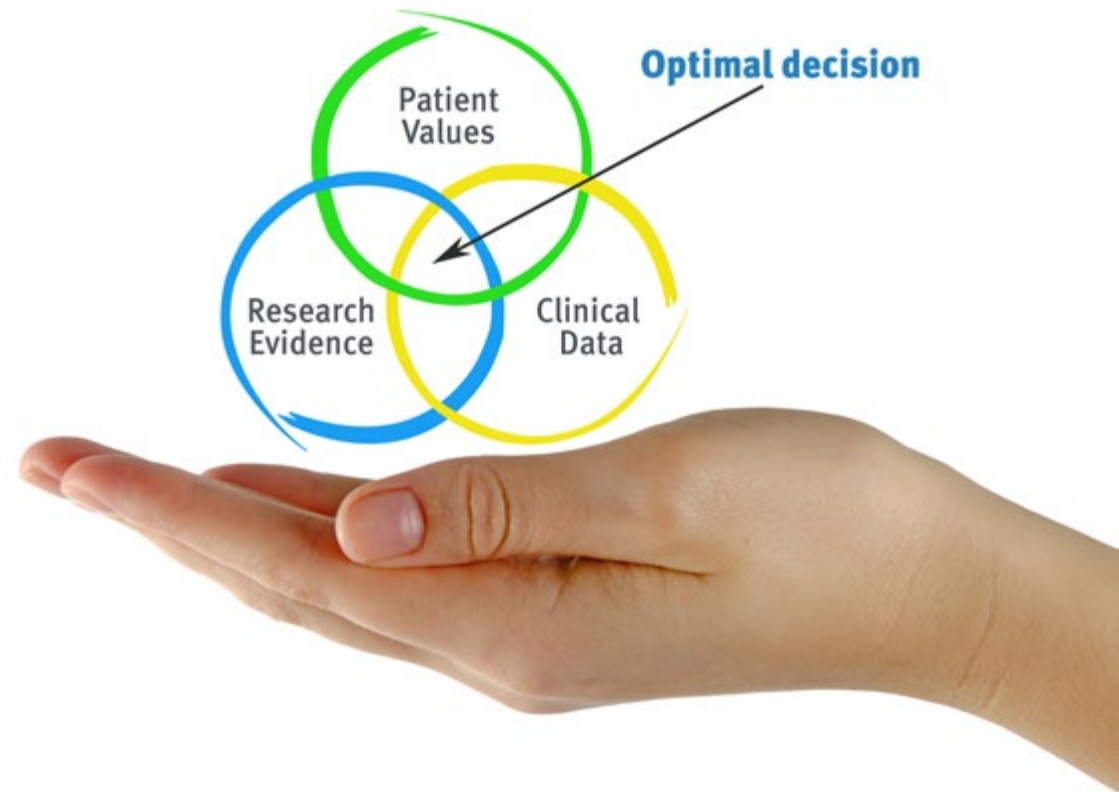
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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH Education School we use the Case Method

In a given situation, what should a professional do? Throughout the program students will be presented with multiple simulated cases based on real situations, where they will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method.

With TECH, educators can experience a learning methodology that is shaking the foundations of traditional universities around the world.



It is a technique that develops critical skills and prepares educators to make decisions, defend their arguments, and contrast opinions.

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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. Educators who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process is solidly focused on practical skills that allow educators to better integrate the knowledge into daily practice.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life teaching.
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

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

Our University is the first in the world to combine case studies with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing cases.



Educators will learn through real cases and by solving 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 we have trained more than 85,000 educators with unprecedented success in all specialties. All this in a highly demanding environment, where the students have a strong 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 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 our 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 specialist educators who teach the course, specifically for the course, so that the teaching content is really 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.



Educational Techniques and Procedures on Video

TECH introduces students to the latest techniques, with the latest educational advances, and to the forefront of Education. All this, first-hand, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, students can watch them as many times as they want.



Interactive Summaries

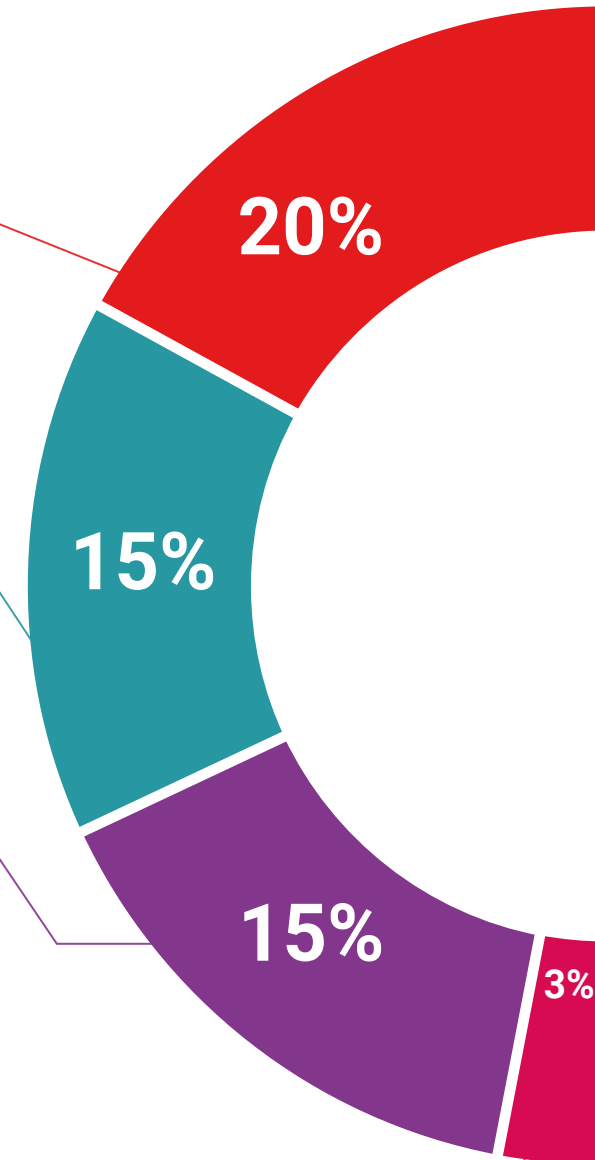
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

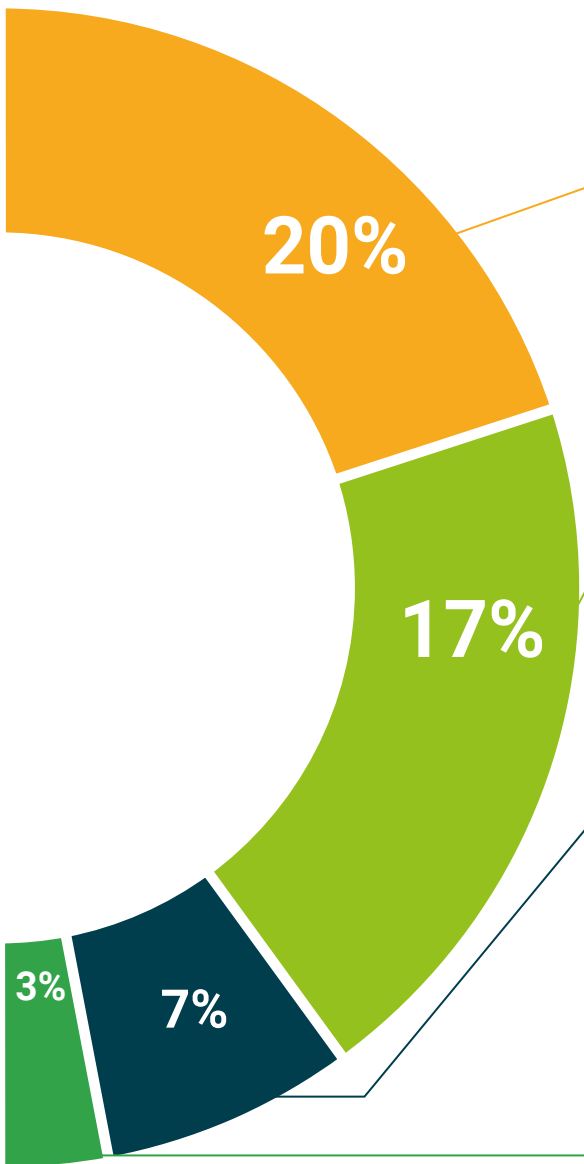
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, 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 students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



05

Certificate

The Postgraduate Certificate in Techniques and Instruments for Data Collection and Analysis in Qualitative Educational Research guarantees students, in addition to the most rigorous 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 program will allow you to obtain your **Postgraduate Certificate in Techniques and Instruments for Data Collection and Analysis in Qualitative Educational Research** 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.

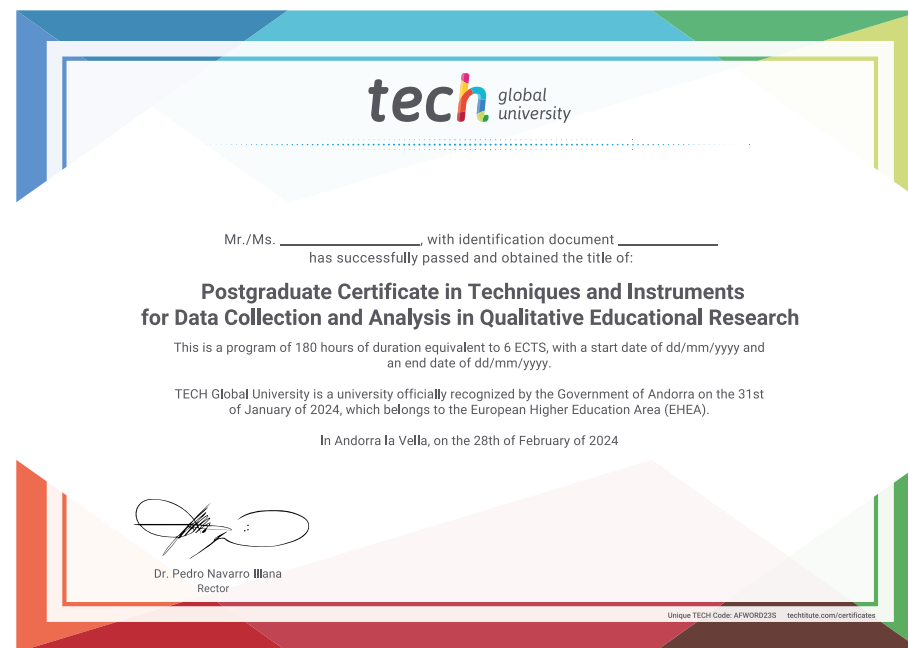
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Techniques and Instruments for Data Collection and Analysis in Qualitative Educational Research**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





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