

Postgraduate Certificate

Teaching Innovation and Initiation to Educational Research in High School Education





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Teaching Innovation and Initiation to Educational Research in High School Education

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/us/education/postgraduate-certificate/teaching-innovation-initiation-educational-research-high-school-education

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01

Introduction

Current educational systems prioritize the transformation of learning processes, giving value to innovation and research. Much of the blame for this change lies with the new technologies that have burst into everyday life and also into the classroom. In this context, teachers must have the necessary tools to be able to design much more dynamic sessions using all the resources at their disposal. For this reason, this 100% online program was created to provide teaching professionals with the techniques, methods, and procedures to bring useful learning to the classroom, the development of research, and the development of the teacher. All of, in addition to multimedia content that can be accessed 24 hours a day from any device with an Internet connection.





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This 100% online Postgraduate Certificate will enhance your skills for innovative teaching in High School Education"

Technological advances have favored the emergence of new tools and methodologies that have turned teaching upside down. The change of concept where the student becomes the center and the teacher a facilitator of learning requires a constant updating of skills and competencies on the part of teachers.

A scenario marked by innovation and the promotion, in turn, of research in the educational field. It is in this line where TECH provides teachers with the techniques and knowledge they need to progress professionally and promote teaching-learning. Therefore, this Postgraduate Certificate in Teaching Innovation and Initiation to Educational Research in High School Education was born, taught 100% online, and perfectly compatible with the most demanding responsibilities.

This is an advanced and intensive 150-hour program, where the high school students will take an educational journey through the innovative use of teaching resources and means, learning-oriented assessment, or educational challenges for research. All this is by multimedia pills, specialized readings and case studies that can be accessed at any time of the day from an electronic device with an Internet connection.

Likewise, with the Relearning system, based on the repetition of content, the high school students will be able to advance naturally through the syllabus, consolidate their knowledge and reduce the long hours of study that are so frequent in other teaching methods.

An excellent opportunity to advance in the education sector through a completely flexible university program that adapts to the needs of professionals and is at the educational forefront.

This **Postgraduate Certificate in Teaching Innovation and Initiation to Educational Research in High School Education** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ The development of case studies presented by experts in High School Education
- ♦ The graphic, schematic, and practical contents with which they are created, provide practical information on the disciplines that are essential 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



Enroll now in a program that will allow you to take a step forward in your professional career as a teacher by applying the latest trends in educational teaching"

“*Immerse yourself in new educational challenges for research and improvement of teacher practice through a program that is compatible with your daily responsibilities*”

Thanks to the Relearning system, you will be able to consolidate the acquired knowledge in an easier way and reduce the hours of memorization.

Get all the resources and teaching tools you need to make your High School Education classes much more attractive.

The program's teaching staff includes professionals from the sector who bring to this program the experience of their work, 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's design focuses on Problem-Based Learning, through which the professional must try to solve the different professional practice situations that arise during the academic program. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

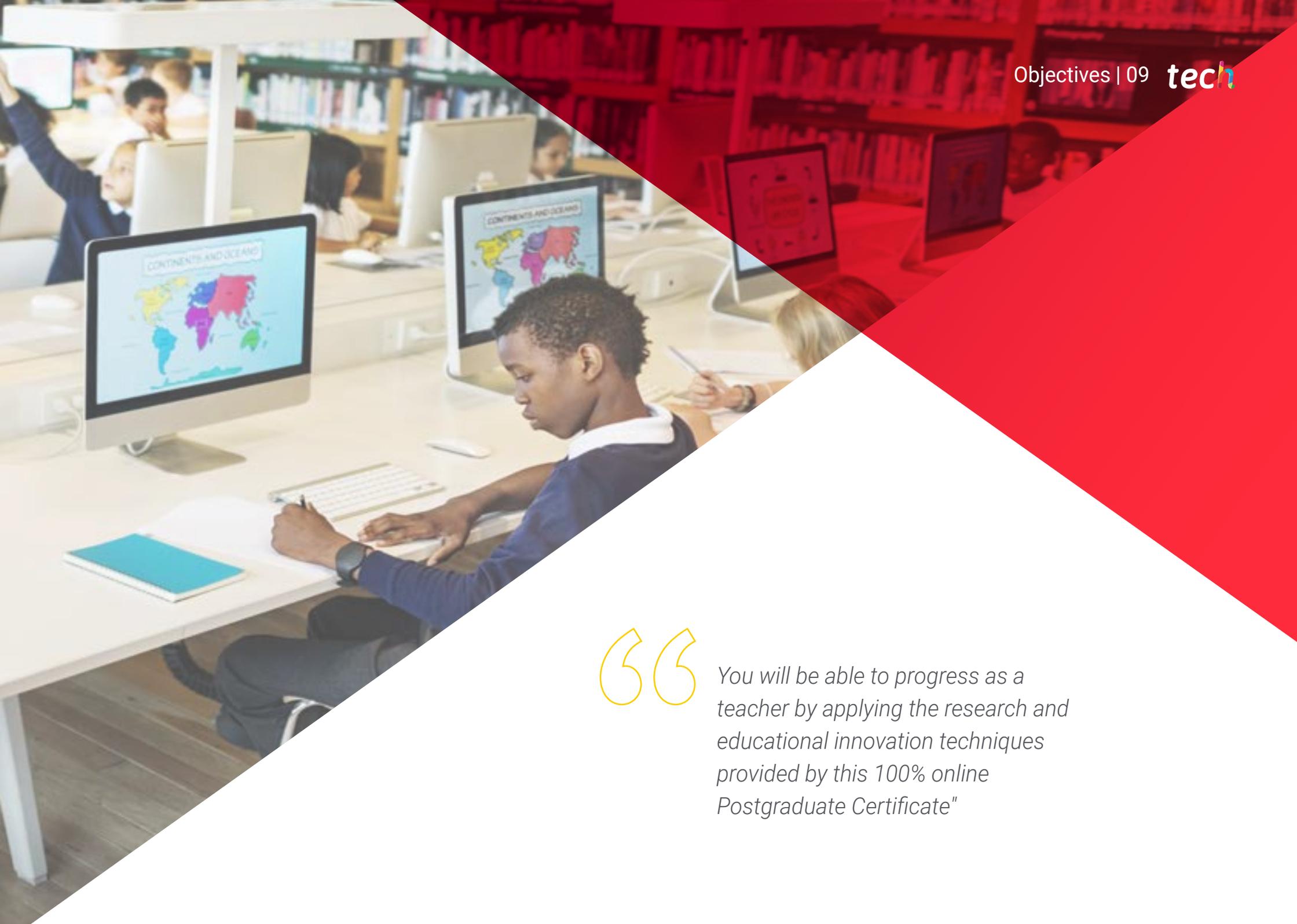


02

Objectives

The main objective of this Postgraduate Certificate is to provide the teaching professional with the techniques, methodologies, and the latest trends in Teaching Innovation and Initiation to Educational Research in High School Education. These goals will be successfully achieved thanks to the pedagogical resources provided by TECH and the excellent team of teachers who will guide you at all times.





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You will be able to progress as a teacher by applying the research and educational innovation techniques provided by this 100% online Postgraduate Certificate"



General Objectives

- ♦ Introduce students to the world of teaching, from a broad perspective that provides them with the necessary skills for the performance of their work
- ♦ Know the new tools and technologies applied to teaching
- ♦ Show the different options and ways the teacher can work in their post
- ♦ Promote the acquisition of communication and knowledge transmission skills and abilities
- ♦ Encourage continuing training for students



Learn with this Postgraduate Certificate how to promote improvement and learning from the results of the high school evaluation"





Specific Objectives

- ♦ Get to know the fields of innovation in the educational context
- ♦ Discover learning communities
- ♦ Expose the obstacles and challenges of innovation in the educational context
- ♦ Explain how teachers learn and their role change
- ♦ Demonstrate the factors that favor professional learning and development
- ♦ Delve into the professional learning of teachers
- ♦ Introduce professional learning and meeting spaces, such as: conferences, congresses, innovation days, professional networks, communities of practice and MOOC (Massive Open Online Courses)



03

Course Management

The teaching professional who enters this university program can count on an excellent team of teachers who have been selected by TECH following strict selection criteria. In this way, high school students are guaranteed access to a Postgraduate Certificate designed and developed by real experts in the educational sector. In addition, thanks to its proximity, you will be able to resolve any questions you may have about the content of this program.



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Real experts in the educational sector will give you the keys you need to carry out innovative lessons in High School Education"

Management



Dr. Barboyón Combey, Laura

- ♦ Teacher of Primary Education and Postgraduate Studies
- ♦ Teacher in Postgraduate University Studies of High School Teacher Formation
- ♦ Teacher of Primary Education in several schools
- ♦ Doctor in Education from the University of Valencia
- ♦ Master's Degree in Psychopedagogy from the University of Valencia
- ♦ Degree in Primary School Education with a major in English Teaching from the Catholic University of Valencia San Vicente Mártir



04

Structure and Content

The syllabus of this university program has been designed by an excellent team of teachers with extensive experience in the education sector. In this way, the high school students who attend this program will be introduced to the guidance function, taking into account the educational and personal development of the student and the main demands made by the family to the educational centers and vice versa. All this, in addition, with a library of multimedia resources that can be accessed 24 hours a day from any device with an Internet connection.



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This program will provide you with the tools and techniques you need to put the high school student at the center of learning"

Module 1. Teaching Innovation and Initiation to Educational Research

- 1.1. Educational Innovation as a Process and School Improvement
 - 1.1.1. Education and the New Scenarios of the Global and Local Context
 - 1.1.2. Key Concepts: Educational Innovation, Change, Reform and Educational Improvement
 - 1.1.3. Educational Paradigms and Innovation Purposes
 - 1.1.4. Why Innovate? The Meaning of Innovation
 - 1.1.5. Process Models to Generate Educational Innovation
 - 1.1.6. The Importance of a Strategic Approach to Incorporate Educational Innovations
 - 1.1.7. Challenges of Educational Innovation: the Need for a Paradigm Shift and the Role of Research for Educational Improvement
- 1.2. Teaching Innovation: Perspectives, Challenges and Professional Learning
 - 1.2.1. Areas of Innovation in the Educational Context
 - 1.2.2. The Case of Learning Communities
 - 1.2.3. The Obstacles and Challenges of Innovation in the Educational Context
 - 1.2.4. How Do Teachers Learn? From Transmitting Teachers to Inquiring and Creative Teachers
 - 1.2.5. Factors to Promote Learning and Professional Development
 - 1.2.6. From Collective Learning to the Professional Development of the Teaching Staff
 - 1.2.7. Spaces for Meeting and Professional Learning: Congresses, Innovation Conferences, Professional Networks, Communities of Practice and MOOC
- 1.3. The Design of a Good Practice of Teaching Innovation
 - 1.3.1. From Professional Learning to Good Teaching Practices
 - 1.3.2. Good Practices and the Necessary Conceptual Change
 - 1.3.3. Aspects to be Taken into Account in the Design of Good Teaching Practice
 - 1.3.4. One More Step: Designing and Self-Evaluating Innovative Projects and Practices
- 1.4. Innovative Learning-Centered Designs to Promote Learner Ownership: Innovative Strategies and Practices
 - 1.4.1. The Learner is the Protagonist of its Learning
 - 1.4.2. Rationale for Selecting Learning-Centered Teaching Strategies: Situated Cognition
 - 1.4.3. Rationale for Selecting Learning-Centered Teaching Strategies: The Learning Approach
 - 1.4.4. Generalization and Transfer of Learning: Keys to Promote Learner Protagonism
 - 1.4.5. Teaching Strategies to Encourage Students' Engagement with their Learning
 - 1.4.6. Design of Innovative Practices Focused on Learning: Service-Learning
- 1.5. Innovative Use of Didactic Resources and Means
 - 1.5.1. Paradigm Shift: From Solid Knowledge to Liquid Information
 - 1.5.2. Metaphors on Web 2.0 and their Educational Implications
 - 1.5.3. New Literacies: Educational Visions and Consequences
 - 1.5.4. Digital Literacy and the Development of Competencies
 - 1.5.5. The Meaning and Practices of Digital Literacy in Schools
 - 1.5.6. Literacy and Citizenship: More than ICT Integration
 - 1.5.7. Good Practices in the Innovative Use of Technological Resources
- 1.6. Learning-Oriented Evaluation: Orientation and Design of Good Practices
 - 1.6.1. Evaluation as a Learning Opportunity
 - 1.6.2. Characteristics of Innovative Evaluation
 - 1.6.3. The Dimensions of Evaluation: the Ethical and the Technical-Methodological Question
 - 1.6.4. Innovative Evaluation: How to Plan the Evaluation to Orient it to Learning
 - 1.6.5. Quality Criteria for Developing a Learning-Oriented Evaluation Process
 - 1.6.6. How to Foster Improvement and Learning from Evaluation Results?
- 1.7. Teacher Self-Assessment and Learning Improvement: The Challenge of Educational Innovation
 - 1.7.1. Educational Improvement Makes it Essential to Self-Evaluate the Teaching Task
 - 1.7.2. The Self-Evaluation of Teaching Practice as a Process of Reflection and Formative Accompaniment
 - 1.7.3. Areas of Self-Evaluation of the Teaching Task
 - 1.7.4. Self-Evaluation of Schools for the Improvement of their Educational Processes from an Inclusive Perspective



- 1.8. New Technologies and Educational Research: Tools for Educational Improvement
 - 1.8.1. Educational Research has its Own Character
 - 1.8.2. The Research Process and the Educational Researcher's Viewpoint
 - 1.8.3. Educational Research in the Current Context
 - 1.8.4. Technological Tools for the Development of Educational Research
 - 1.8.4.1. Searching and Updating Information on the Internet
 - 1.8.4.2. Organizing Information
 - 1.8.4.3. Collection of Information in the Field Work
 - 1.8.4.4. Analysis of the Information: Quantitative and Qualitative
 - 1.8.4.5. Report Writing and Publication of Information
- 1.9. From Educational Research to Classroom Research: Improving the Teaching-Learning Process
 - 1.9.1. Educational Research Functions
 - 1.9.2. From Educational Research to Research in the Classroom
 - 1.9.3. Classroom Research and Teachers' Professional Development
 - 1.9.4. Ethical Considerations for the Development of Educational Research
- 1.10. Educational Challenges for the Research and Improvement of Teaching Practice of the Specialty
 - 1.10.1. Educational Challenges for the 21st Century
 - 1.10.2. Research, Innovation and Best Practices in the Specialty
 - 1.10.3. Deontological Framework for Teaching Practice

05

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 applied to the 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, you can watch them as many times as you want.



Interactive Summaries

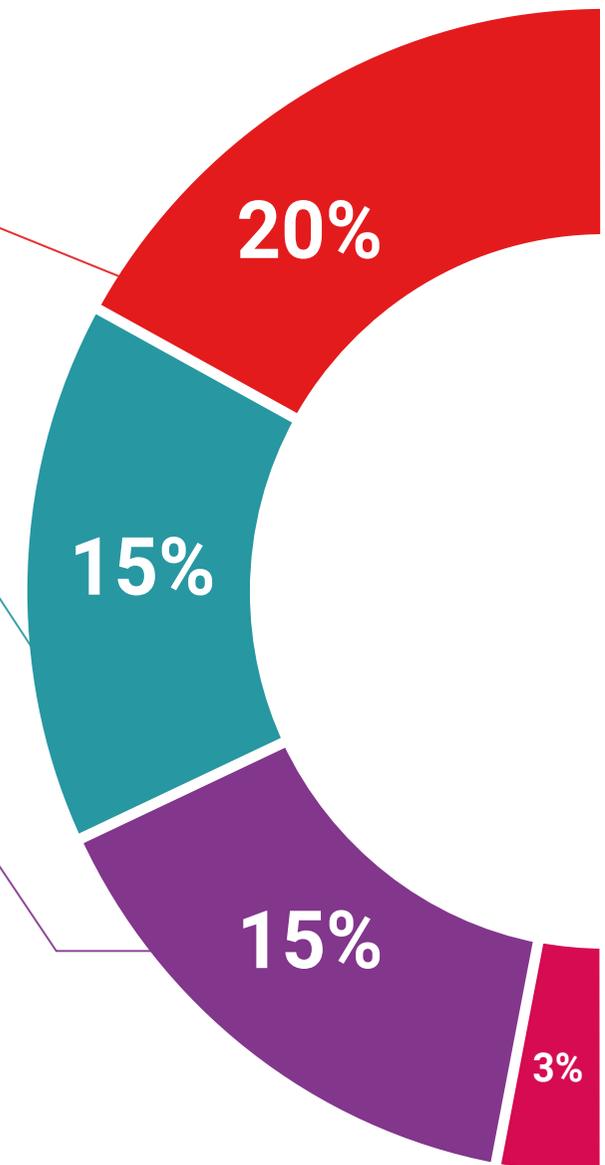
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive multimedia content presentation training Exclusive system 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 your 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.



06

Certificate

The Postgraduate Certificate in Teaching Innovation and Initiation to Educational Research in High School Education guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



The image features two black graduation caps (mortarboards) against a blue sky with light clouds. The caps are positioned diagonally, with one in the foreground and another slightly behind it. The background is split into a white lower-right section and a red upper-right section. The quote is located in the white section.

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*Successfully complete this program
and receive your university qualification
without having to travel or fill out
laborious paperwork”*

This **Postgraduate Certificate in Teaching Innovation and Initiation to Educational Research in High School Education** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Teaching Innovation and Initiation to Educational Research in High School Education**

Official N° of hours: **150 h.**



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.



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