

# Postgraduate Certificate

## New Technologies Applied to Music Education



## Postgraduate Certificate

### New Technologies Applied to Music Education

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

Website: [www.techtute.com/us/education/postgraduate-certificate/new-technologies-applied-music-education](http://www.techtute.com/us/education/postgraduate-certificate/new-technologies-applied-music-education)

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# 01

# Introduction

Music is one of the most enriching expressions of the human being, since, through it, it can transmit sensations and emotions that other languages or codes are unable to do. Through music, we not only communicate, but we are also able to acquire values and attitudes or learn to channel feelings in different situations of our lives.



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*This Postgraduate Certificate in New Technologies Applied to Musical Education generates a sense of security in the performance of your profession, which will help you to grow personally and professionally"*

Therefore, the teaching of music should not only be relegated to a matter of content acquisition, but it is necessary to train and specialize the teacher in each and every one of the dimensions involved in musical learning.

This training action makes professionals in this field increase their ability to succeed, which results in a better practice and performance that will have a direct impact on students, in the improvement of the subject of music and in the general benefit for the whole society.

Because it offers a comprehensive vision of musical learning in all its dimensions, providing tools, experiences and advances in this field, which have also been guaranteed by the teachers of the training action. Thus, the student will learn based on professional experience and pedagogy, making the student's training more efficient and precise.

In addition, it is necessary to highlight that, although there is training on music didactics, there is no Postgraduate Certificate that offers a multidimensional approach to musical learning, studying not only elements related to the content, but also giving importance to the figure of the learner, to their educational, personal, social and intellectual characteristics and needs.

The different modules are taught in sessions, following an eminently practical approach, with the necessary theoretical support for each. All TECH Professional Master's Degree teachers have extensive experience working with people of all ages and diverse socio-familial and educational contexts. In addition, it should be taken into account that musical learning is approached integrating the educational, personal and social-group vision.

In addition to training students in New Technologies Applied to Musical Education and in the educational environment, it will also facilitate their insertion in the labor market, due to the great demand for this type of specialized professionals within the formal educational system, as well as in the non-formal sector (private music schools or musical groups). For students who are already in the working world, it will allow them to better position themselves professionally and increase their chances of promotion and recognition.

This **Postgraduate Certificate in New Technologies Applied to Musical Education** is the most comprehensive and up-to-date educational program on the market.

The most important features of the Postgraduate Certificate are:

- ♦ Development of more than 75 case studies presented by professionals in new technologies applied to music education. The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice.
- ♦ Novelties on screening and intervention in new technologies applied to music education
- ♦ It contains practical exercises where the self-evaluation process can be carried out to improve learning
- ♦ Algorithm-based interactive learning system for decision-making in the situations that are presented to the student
- ♦ With special emphasis on evidence-based methodologies in New Technologies applied to Musical Education
- ♦ All of this will be complemented by 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



*Update your knowledge through the Postgraduate Certificate in New Technologies Applied to Musical Education"*

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*This course may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge on New Technologies Applied to Music Education, you will obtain a postgraduate certificate from TECH Technological University”*

The teaching staff includes professionals of new technologies applied to music education, who bring their experience to this specialization program, as well as renowned specialists belonging to 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 training program to train 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, the psychologist will be assisted by an innovative interactive video system created by renowned and experienced professionals in the field of new technologies applied to music education with extensive teaching experience.

*Increase your decision-making confidence by updating your knowledge through this Postgraduate Certificate*

*Take the opportunity to learn about the latest advances in new technologies applied to music education and improve your students' education*



02

# Objectives

The **Postgraduate Certificate in New Technologies Applied to Music Education** is aimed at facilitating the performance of the professional dedicated to working with adolescents and/or guiding them in their professional future.





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*This Postgraduate Certificate is designed to help you update your knowledge of new technologies applied to musical education, with the use of the latest educational technology, to contribute with quality and security to the decision making and monitoring of your students"*



## General Objective

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- Train the student to teach in the field of music
- Inform the student about the main characteristics of music education
- Show the student the main tools for working in the music classroom
- Train the student in the use of techniques and strategies for musical intervention in different environments: formal and out-of-school
- Develop in the student the capacity to elaborate their own Methodology and Work System based on prior successful models
- The student should be able to appreciate the multidimensionality of music education
- Consolidate innovation and the application of new technologies by students as a backbone and useful element in the educational process



*Seize the opportunity and take the step to get up to date on the latest developments in new technologies applied to music education”*





## Specific Objectives

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- ♦ Describe the basis of cooperative learning applied to music
- ♦ Analyze the Structure of Cooperative Learning
- ♦ Discuss the cooperative learning strategies applied for the whole group
- ♦ Review research and projects on cooperative learning
- ♦ Review educational experiences based on cooperative learning in different educational stages
- ♦ Reflect on the role of the teacher as a facilitator in the cooperative learning process
- ♦ Compare the use of new technologies with other educational tools
- ♦ Differentiate between information technologies, learning technologies and learner empowerment technologies
- ♦ Justify the need to advance in digital competence for both teachers and students
- ♦ Discuss the advantages and disadvantages of transforming education with new technological methods and tools

03

# Course Management

The program includes in its teaching staff renowned experts in new technologies applied to musical education, who contribute their work experience to this course. In addition, other specialists of recognized prestige participate in its design and elaboration, completing the program in an interdisciplinary manner.





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*Learn the latest advances in the field of new technologies applied to music education from leading professionals”*

## Management



### Atencia Micó, Óscar

- ♦ Pedagogue
- ♦ Director of the Valencian High Ability Institute
- ♦ President of Acel Formación

## Professors

### **García Casasempere, José Antonio**

- ♦ IES Pare Arques
- ♦ Professor

### **Notario Pardo, Francisco**

- ♦ Music education pedagogue, collaborating teacher in the Master's Degree in Music Education

### **Villegas Puerto, Ana**

- ♦ IES Gabriel y Galán
- ♦ Secondary education teacher

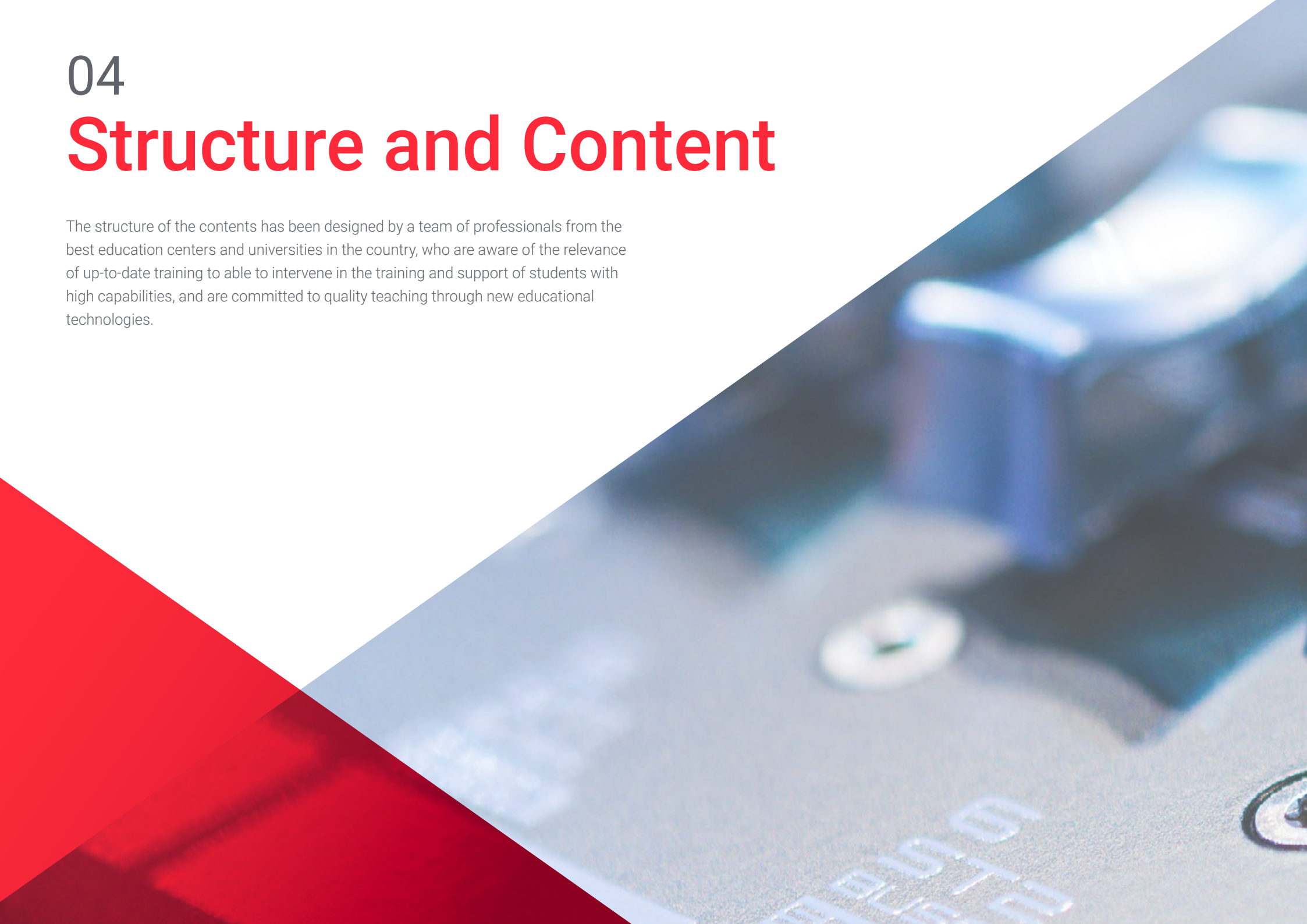
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*An impressive teaching staff, made up of specialists from different fields of expertise, will be your teachers during your training: a unique opportunity not to be missed”*

# 04

# Structure and Content

The structure of the contents has been designed by a team of professionals from the best education centers and universities in the country, who are aware of the relevance of up-to-date training to be able to intervene in the training and support of students with high capabilities, and are committed to quality teaching through new educational technologies.







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*This Postgraduate Certificate in New Technologies Applied to Musical Education is the most comprehensive and up-to-date scientific program on the market”*

## Module 1. New Technologies Applied to Music Education

- 1.1. Introduction
  - 1.1.1. Music Before the Information Society
  - 1.1.2. The Information Society
  - 1.1.3. Digital Divide and its Relation to Music Learning
- 1.2. ICTs
  - 1.2.1. Definition
  - 1.2.2. Evolution of the Concept
- 1.3. Main Technological Devices
  - 1.3.1. Computers in the Music Classroom
  - 1.3.2. Digital Tablets
  - 1.3.3. The Use of Smartphones in the Classroom
- 1.4. Internet and its Relation to Music Learning
  - 1.4.1. Introduction
  - 1.4.2. Learning Music Online
- 1.5. Benefits of ICTs for Learning Music
  - 1.5.1. Characteristics of ICTs
  - 1.5.2. Main Benefits of Learning Music
- 1.6. ICT Resources for Music Learning
  - 1.6.1. Musical Educational Resources
- 1.7. Risks Associated With the Use of ICTs: Techno-Addictions in Children and Young People
  - 1.7.1. What is an Addiction?
  - 1.7.2. Addiction to Technology
  - 1.7.3. Intervention in Situations of Addiction to Technology





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*A unique, key, and decisive experience to boost your professional development”*

05

# Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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.



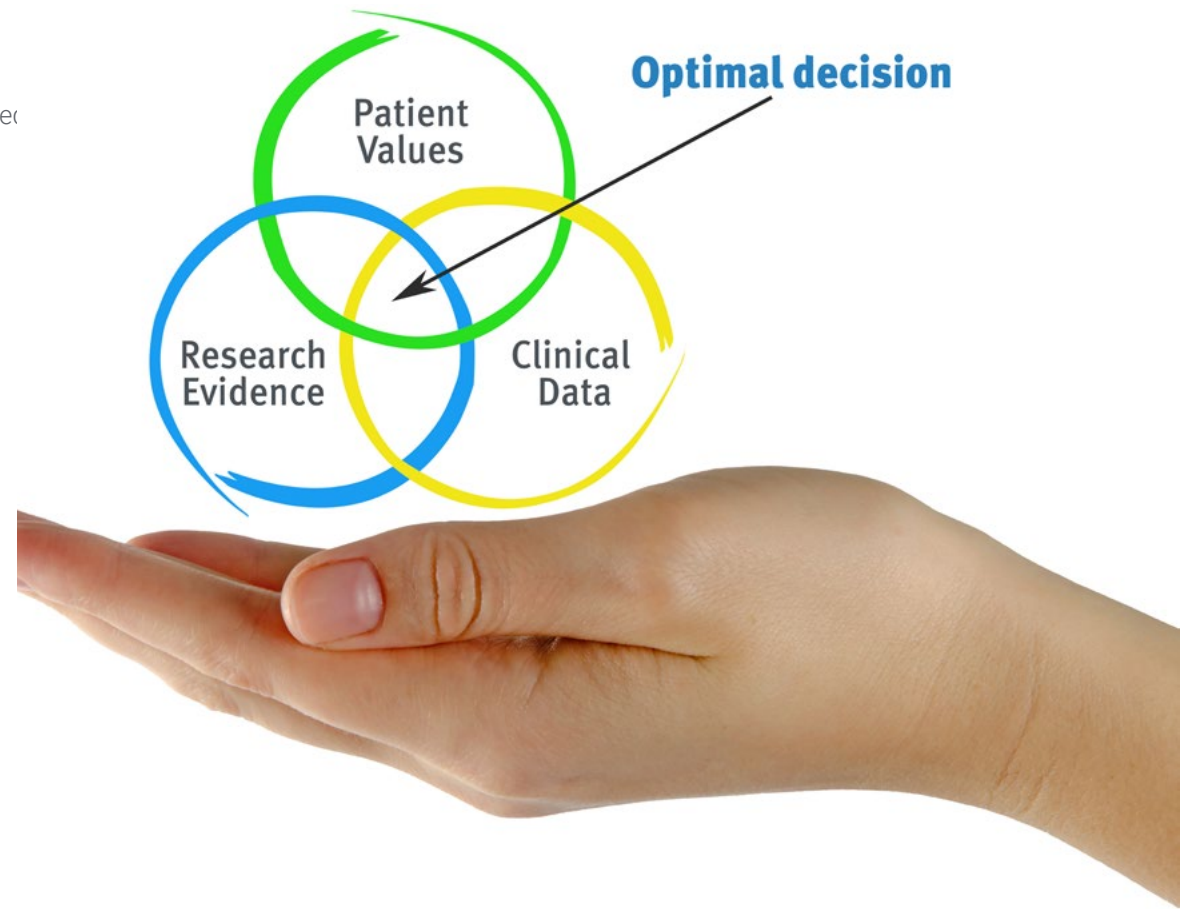


*Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## En TECH Education School empleamos el Método del caso

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

*With TECH, educators will 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 enable educators to better integrate 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.



## Re-learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

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; 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

Using this methodology, we have trained more than 85,000 educators with unprecedented success in all specialties. Our teaching methodology is developed in a highly demanding environment, where the students have a strong socio-economic profile, and their average age is 43.5 years.

*Re-learning 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 (we 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.



In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### Educational Techniques and Procedures on Video

We introduce you to the latest techniques, with the latest educational advances, and to the forefront of Education today. All this, in first person, 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

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





**Expert-Led Case Studies and Case Analysis**

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through 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 your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you 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 our future difficult decisions.



**Quick Action Guides**

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06

# Certificate

The Postgraduate Certificate in New Technologies Applied to Musical Education guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by TECH Technological University.



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*Successfully complete this training and receive your university certificate without travel or laborious paperwork”*

This **Postgraduate Certificate in New Technologies Applied to Musical Education** is the most comprehensive and up-to-date scientific program on the market.

After students have passed the assessments, they will receive by certified mail their **Postgraduate Certificate** issued by **TECH Technological University**.

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

Title: **Postgraduate Certificate in New Technologies Applied to Music Education**

ECTS: 5

Official Number of Hours: **125 hours**



\*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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