

# Postgraduate Certificate Instrumentation for Music Education



## Postgraduate Certificate Instrumentation for Music Education

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 5 ECTS
- » Schedule: at your own pace
- » Exams: online
- » Website: [www.techtute.com/us/education/postgraduate-certificate/instrumentation-music-education](http://www.techtute.com/us/education/postgraduate-certificate/instrumentation-music-education)

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01

# Introduction

Music is one of the most enriching expressions of the human being, since, through it, we are able to 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 Instrumentation for Music Education will generate a sense of confidence in the performance of your profession, which will help you 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 educate and specialize the teacher in each and every one of the dimensions involved in musical learning.

This educational program will enable professionals in this field to increase their capacity for success, which results in a better practice and performance that will have a direct impact on students, on the improvement of the subject of music and on the general benefit of society as a whole.

This program offers an integral 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 educational action. With which the student will learn based on professional experience, as well as pedagogy, which makes the student's education more effective and accurate.

Although, it is necessary to highlight that, although there are specializations on music education, there is no program 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 with an eminently practical approach, supported by the necessary theoretical support. All the teachers of the Postgraduate Diploma have extensive experience with cases of all ages and in diverse socio-family and educational contexts. Furthermore, it must be taken into account that musical learning is approached integrating the educational, personal and social-group vision.

In addition to qualifying students in Instrumentation for Music 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 education system, as well as in the non-formal sector (private music schools or musical groups). For those students who are already in the labor market, it will allow them a better professional positioning and will increase their possibilities of promotion and recognition.

This **Postgraduate Certificate in Instrumentation for Music Education** contains the most complete and up-to-date educational program on the market. The most important features include:

- ♦ The development of more than 75 practical cases presented by experts in Instrumentation for Music Education
- ♦ The graphic, schematic, and practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ The latest developments on detection and intervention in Instrumentation for Music Education
- ♦ It contains practical exercises where the self-assessment 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 Instrumentation for Music 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 Instrumentation for Music Education"*

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*This Postgraduate Certificate is the best investment you can make when selecting a refresher program for two reasons: in addition to updating your knowledge in Instrumentation for Music Education you will obtain a certificate endorsed by TECH Technological University”*

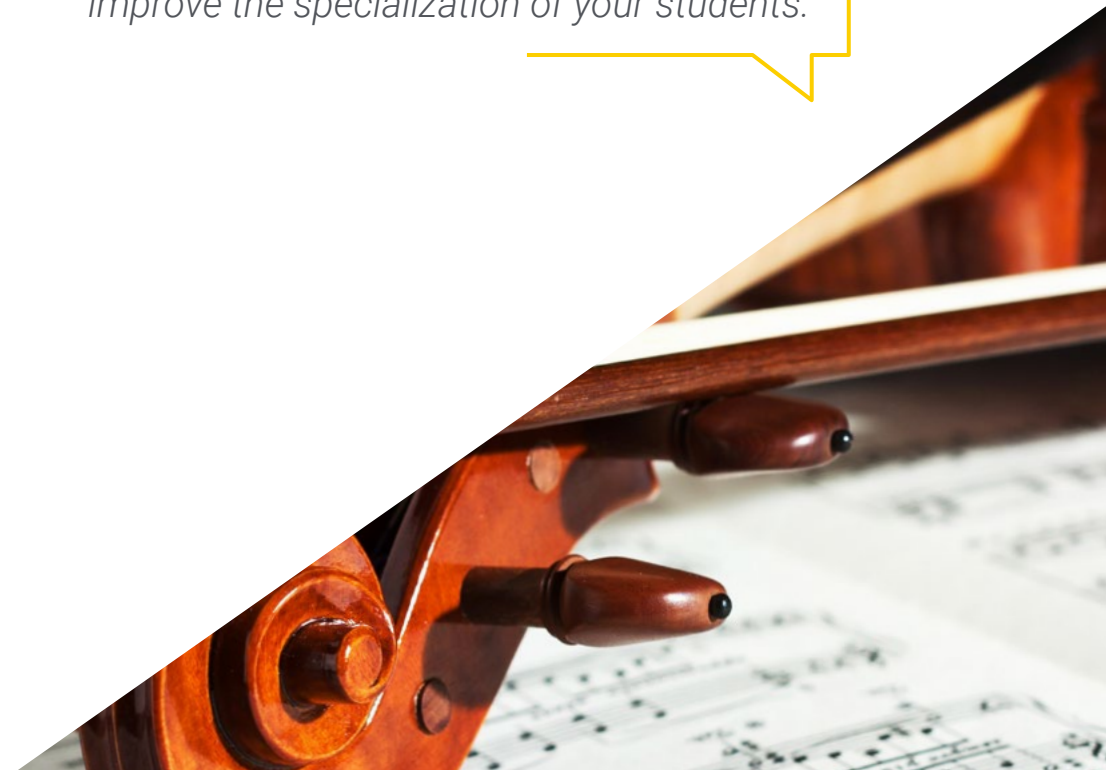
It includes in its teaching staff professional teachers belonging to the field of Instrumentation for Music Education, who bring to this program their work experience, as well as renowned specialists belonging to reference societies and prestigious universities.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare 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 throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system developed by recognized experts in the field of Instrumentation for Music Education who have great teaching experience.

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

*Make the most of this opportunity to learn about the latest advances in Instrumentation for Music Education and improve the specialization of your students.*



02

# Objectives

The Postgraduate Certificate in Instrumentation for Music Education is oriented to facilitate the performance of the professionals dedicated to work with adolescents and/or to guide them in their professional future.







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*This Postgraduate Certificate is designed to help you update your knowledge in Instrumentation for Music Education, with the use of the latest educational technology, to contribute with quality and confidence to the decision-making and monitoring of your students"*



## General Objectives

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- Enable the student to teach in the field of music
- Introduce the student to the main characteristics of music teaching
- Show the student the main tools of work in the music classroom
- Prepare the student in the handling of techniques and strategies for the musical intervention in the different environments: formal and out-of-school
- Develop in the student the ability to elaborate their own methodology and work system based on previous successful models
- Enable the student to appreciate the multidimensionality of music teaching
- Consolidate innovation and the application of new technologies as a central and useful element in the educational process



*Make the most of this opportunity and take the step to get up to date on the latest developments in Evaluation of Music Students”*





## Specific Objectives

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- Critique myths and false beliefs of music teaching
- Critique reference manuals and their applicability to the field of music teaching
- Understand musical creativity as a necessary tool in the integral development of the person
- Identify successful educational experiences based on the analysis of cases
- Gain knowledge about the musical intervention in the improvement of self-esteem and self-knowledge of the individual
- Analyze music as a tool for conflict resolution
- Get to know the dimensions of musical learning

“

*Make the most of this opportunity and take the step to get up to date on the latest developments in Instrumentation for Music Education”*

03

# Course Management

The program includes in its teaching staff reference specialists in Instrumentation for Music Education, who bring to this program their work experience. 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 from reference professionals, the latest advances in the procedures in the field of Instrumentation for Music Education”*

## Professors

### Ms. Villegas Puerto, Ana

- ♦ Member of the Gabriel y Galán High School
- ♦ High school teacher at Gabriel Galán High School
- ♦ Co-author of the work "Econews: el telediario como herramienta didáctica" and winner of the first prize in the category of A More Civic and Solidarity School





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*The leading professionals in the field have come together to offer you the most comprehensive knowledge in this field, so that you can develop with total guarantees of success"*

**Notario Pardo, Francisco**

- ♦ Family and School Mediator, and Official Court Expert
- ♦ Department Supervisor Officer. Valencian Government
- ♦ Social Educator of the Intervention Team of Basic Primary Care of Social Services City Council of Alcoy
- ♦ Official Expert (family and minors). Family Courts, Juvenile Prosecutor's Office
- ♦ Interim Social Educator. Valencian Government
- ♦ Intervention Technician in Family Foster Care. Trama Center Association, Alicante
- ♦ Coordinator of Foster Care Intervention Center, Alicante
- ♦ Director of the Master's Degree in Inclusive Education for Children in Social Risk Situations
- ♦ Degree in Pedagogy. University of Valencia
- ♦ Diploma in Social Education. University of Valencia
- ♦ Diploma in Intervention with Families at Risk and Minors with Antisocial Behavior. University of Valencia
- ♦ Specialization Diploma in Intervention and Therapeutics in N.E.E. and Socio-educational Needs. Official College of Pedagogues and Psychopedagogues of the Valencian Community
- ♦ Official College of Pedagogues and Psychopedagogues of the Valencian Community. Official Expert (family court, minors)
- ♦ Teacher of Career Training for Employment. Servef Center
- ♦ University Certificate in Family and School Mediation San Vicente Mártir Catholic University
- ♦ University Expert in Social Inclusion and Inclusive Education. CEU Cardenal Herrera University
- ♦ Postgraduate Diploma in "Intervention with at-risk families and children with antisocial behavior"







**Mr. Mira Tomás, Josep**

- ♦ SQA June Developer at Imaweb
- ♦ ERP & Web Management at Madrid Musical SA
- ♦ Creative producer at NOIIZ LTD
- ♦ Freelance Multimedia Music Composer
- ♦ Music Composer Degree at Conservatory
- ♦ Master's Degree in Music Technology at Katarina Gurska
- ♦ Higher Degree in Multiplatform Applications Development at Florida Universitaria
- ♦ Degree in Composition and Music Theory at Musikene

**Ms. Moya Pastor, Maria Luisa**

- ♦ Violinist and Freelance Violin Teacher
- ♦ Violin teacher at the Conservatory Mestre Feliu de Benicarló in Valencia
- ♦ Violin Teacher at Musicalis Academy
- ♦ Degree in Violin from the Joaquin Rodrigo Higher Conservatory of Music in Valencia
- ♦ Master's Degree in Digital Education E-learning and Social Networks at TECH Technological University in Valencia
- ♦ Master's Degree in Violin Specialization at the Liège Conservatory of Music
- ♦ Master's Degree in Violin Pedagogy at the Liège Conservatory of Music
- ♦ Master's Degree in Music Research at the UNIR

04

# Structure and Content

The structure of the contents has been designed by a team of professionals from leading educational centers and universities, aware of the relevance of current education to intervene in the specialization and accompaniment of students with high capacity, and committed to quality teaching through new educational technologies.





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*This Postgraduate Certificate in Instrumentation for Music Education contains the most complete and up-to-date educational program on the market”*

## Module 1. Instrumentation for Music Education

- 1.1. Introduction
  - 1.1.1. Concept of Musical Instruments
    - 1.1.1.1. Definition
    - 1.1.1.2. Types of Musical Instruments
  - 1.1.2. Instrumentation throughout History
    - 1.1.2.1. Historical Review
    - 1.1.2.2. The Instrument as an Artistic Object
  - 1.1.3. Instrumentation in the Classroom Context
    - 1.1.3.1. The Acquisition of Competences
    - 1.1.3.2. The Development of Skills
- 1.2. What is Musical Instrumentation?
  - 1.2.1. Up to J.S. Bach
    - 1.2.1.1. Treatises on Instrumentation
  - 1.2.2. From J.S. Bach
    - 1.2.2.1. Treatises on Instrumentation
- 1.3. Aspects of Instrumentation
  - 1.3.1. Pitch and Musical Timbre
    - 1.3.1.1. Tessitura of the Instruments
  - 1.3.2. Chords
    - 1.3.2.1. Construction
    - 1.3.2.2. Tonal Functions
- 1.4. Orff Instruments. Technical Knowledge of the Instruments in the Music Classroom
  - 1.4.1. Reed Instruments
    - 1.4.1.1. Family. Features
  - 1.4.2. Small Percussion
    - 1.4.2.1. Membranophones
    - 1.4.2.2. Idiophones
    - 1.4.2.3. Shaken Instruments





- 1.5. Musical Instrumentation in Stringed Instruments
  - 1.5.1. Plucked String
    - 1.5.1.1. The Guitar
  - 1.5.2. The Plucked String
    - 1.5.2.1. The Piano
- 1.6. Musical Instrumentation for Recorder Flute
  - 1.6.1. Types of Recorder Flutes
    - 1.6.1.1. Flutes in Folklore
    - 1.6.1.2. Recorder
- 1.7. Percussion Instruments in the Classroom
  - 1.7.1. The Orff Family
    - 1.7.1.1. Uses
    - 1.7.1.2. Correct Positions of Instrumental Execution
  - 1.7.2. Small Percussion
    - 1.7.2.1. Execution Techniques
- 1.8. Instrumentation for Reeds
  - 1.8.1. Types of Drumsticks
    - 1.8.1.1. Uses
    - 1.8.1.2. Sonorities
  - 1.8.2. Use of Chords
    - 1.8.2.1. With 2 Sticks
    - 1.8.2.2. With 3 Sticks
  - 1.8.3. Melodic Function
    - 1.8.3.1. Introductory Exercises
    - 1.8.3.2. Attack Techniques and Expressiveness
- 1.9. Review of the Contents Covered
  - 1.9.1. Adaptation of Classroom Instruments
  - 1.9.2. Important Factors in Classroom Didactics

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 Instrumentation for Music Education 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 private qualification will allow you to obtain a **Postgraduate Certificate in Instrumentation for Music Education** 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.

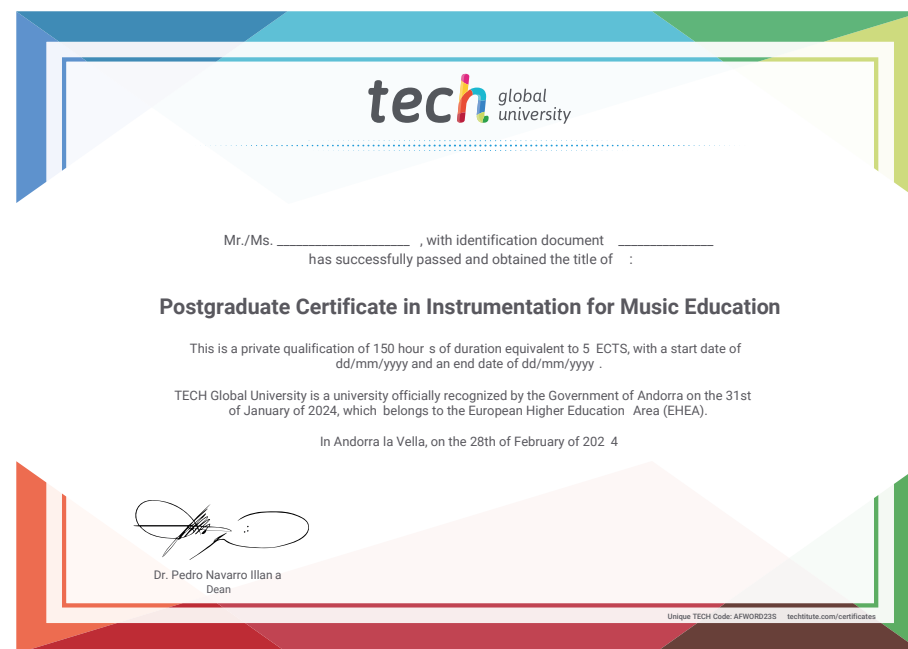
This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Instrumentation for Music Education**

Modality: **online**

Duration: **6 weeks**

Accreditation: **5 ECTS**





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



## Postgraduate Certificate Instrumentation for Music Education

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Postgraduate Certificate

Instrumentation for Music Education

