Postgraduate Certificate
Practical Applications of ICT in Teaching

tech global university

Postgraduate Certificate
Practical Applications of ICT in Teaching

- » 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/practical-applications-ict-teaching**

Index

01
Introduction

With the introduction of ICT, teachers and educators have had to enter fully into a new way of teaching and adapt quickly to this ever-growing technology.

"

This Postgraduate Certificate in Practical Applications of ICT in Teaching will generate a sense of confidence in the performance of your profession, which will help you to grow personally and professionally"

Knowledge of what ICT is, its objectives and its use in education will provide the teacher with a solid foundation to continue learning more ways to adapt this valuable knowledge for teaching, adapted to the digital age.

Managing ICT in the classroom, on websites and in social media in general is essential for modern education that has digital technology as its main tool. Educators must have access to this knowledge in order to apply it and perform the functions required by the new technologies.

Nowadays, educators face a great challenge because they have to be ahead of their students, those who have been born in the digital era, for which it is essential to acquire new knowledge about *e-Learning* and the technological advances that are changing the teaching system completely.

The versatility offered by the technological advances in ICT allows the educator to work in a very entertaining and interactive way with the students, although everything is achieved with proper training and practice in order to know the tools available.

This **Postgraduate Certificate in Practical Applications of ICT in Teaching** contains the most complete and up-to-date scientific program on the market. The most important features include:

- More than 75 practical cases presented by experts in Practical Applications of ICT and in Teaching

- 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

- Latest information on Practical Applications of ICT in Teaching

- 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.

- Special emphasis on evidence-based methodologies in Practical Applications of ICT in Teaching

- 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 Practical Applications of ICT in Teaching"

This Postgraduate Certificate may be the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in Practical Applications of ICT in Teaching, you will obtain a qualification from TECH Global University"

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

Make the most of the opportunity to learn about the latest advances in Practical Applications of ICT in Teaching, and improve the education of your students.

The teaching staff includes teaching professionals from the field of Practical Applications of ICT in Teaching, who contribute the experience of their work to this 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 an immersive academic experience programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the student will must try to solve the different professional practice situations that arise during the course. For this purpose, the professional will be assisted by an innovative interactive video system developed by recognized experts in the field of Practical Applications of ICT in Teaching with extensive teaching experience.

02
Objectives

The Postgraduate Certificate in Practical Applications of ICT in Teaching is aimed at facilitating the performance of teaching professionals who wish obtain new knowledge about ICT, its practical application in the educational field and the advantages it brings.

"

This Postgraduate Certificate is organized so that you can update your knowledge in Practical Applications of ICT in Teaching, with the use of the latest educational technology, to contribute with quality and confidence to decision making and the monitoring of these students"

General Objectives

- Acquire fundamental knowledge and skills to be able to carry out the job of teacher, learning everything you need to know about ICT

- Understand the big differences that exist between traditional teaching and that which applies digital technologies

- Know new technological methodologies that are available to the educational sector and acquire basic knowledge on gamification, video creation and for creating other internet-guided activities

Specific Objectives

- Describe new technologies in education
- Know how to implement ICT in the classroom and its different applications
- Understand social media and its applications in teaching
- Know the new methodologies in the classroom

Make the most of this opportunity and take the step to get up to date on the latest developments in Practical Applications of ICT in Teaching"

03
Course Management

The program's teaching staff includes leading experts in Practical Applications of ICT in Teaching who contribute the experience of their work to this program. In addition, other experts of renowned prestige participate in its design and planning completing the program in an interdisciplinary manner.

Learn the latest advances in the field of Practical Applications of ICT in Teaching from leading professionals"

Management

Dr. Cabezuelo Doblaré, Álvaro

- Psychologist
- Diploma in Digital Identity and Master's Degree in Communication,
- Digital Marketing and Social Media
- Digital Identity Teacher
- Social Media Manager at a Communication Agency
- Teacher at Aula Salud

Professors

Dr. Albiol Martín, Antonio

- Master's Degree in Education and Information and Communication Technologies from the UOC
- Master's Degree in Literary Studies
- Graduate in Philosophy and Literature
- Head of CuriosiTIC: JABY School's ICT Integration Program in the classroom

Dr. De la Serna, Juan Moisés

- PhD in Psychology and Professional Master's Degree in Neurosciences and Behavioral Biology
- Author of the Cátedra Abierta de Psicología y Neurociencias and scientific disseminator

Mr. Gris Ramos, Alejandro

- Technical Engineer in Computer Management
- Master's Degree in Electronic Commerce and Specialist in latest technologies applied to teaching, Digital Marketing, development of web applications, and Internet business

04

Structure and Content

The structure of the contents has been designed by a team of professionals from the best educational institutions and universities in the country, who are aware of the relevance of up-to-date, innovative training and are committed to quality teaching using new educational technologies.

This Postgraduate Certificate in Practical Applications of ICT in Teaching contains the most complete and up-to-date program on the market"

Module 1. ICT and its Practical and Interactive Application

1.1. New Technologies in Education
    1.1.1. The Educational Context 2.0
    1.1.2. Why use ICT?
    1.1.3. The Digital Competencies of Teachers and Students
    1.1.4. Summary

1.2. ICT in the Classroom and its Application
    1.2.1. Digital Book
    1.2.2. Digital Whiteboard
    1.2.3. Digital Backpack
    1.2.4. Mobile Devices
    1.2.5. Summary

1.3. ICT on the Web and its Application
    1.3.1. Browse, Search and Filter Information
    1.3.2. Educational Software
    1.3.3. Guided Activities on the Internet
    1.3.4. Educational Blogs and Web Pages
    1.3.5. Language and Literature Teacher's Wikis
    1.3.6. Learning Platforms: Moodle and Schoology
    1.3.7. Google Classroom
    1.3.8. Google Docs
    1.3.9. MOOCs
    1.3.10. Summary

1.4. Social Media and their Applications in Teaching
    1.4.1. Introduction to Social Media
    1.4.2. Facebook
    1.4.3. Twitter
    1.4.4. Instagram
    1.4.5. LinkedIn
    1.4.6. Summary

1.5. New Methodologies in the Classroom
    1.5.1. Outlines, Concept, and Mind Maps
    1.5.2. Infographics
    1.5.3. Presentations and Moving Texts
    1.5.4. Creation of Videos and Tutorials
    1.5.5. Gamification
    1.5.6. Flipped Classroom
    1.5.7. Summary

1.6. Design of Collaborative Activities
    1.6.1. Creation of Collaborative Activities
    1.6.2. Reading and Writing with ICT
    1.6.3. Expanding Dialogue and Reasoning Skills with ICTs.
    1.6.4. Attention to Group Diversity
    1.6.5. Scheduling and Monitoring of Activities
    1.6.6. Summary

1.7. Evaluation with ICT
    1.7.1. Assessment Systems with ICT
    1.7.2. The e-Portfolio
    1.7.3. Self-Assessment, Peer Assessment, and Feedback
    1.7.4. Summary

1.8. Possible Risks of the Web
    1.8.1. Filtering Information and Infoxication
    1.8.2. Online Distractors
    1.8.3. Activity Tracking
    1.8.4. Summary

1.9. My ICT Resources
    1.9.1. Storage and Retrieval of Resources, Materials, and Tools
    1.9.2. Updating Resources, Materials, and Tools
    1.9.3. Summary

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.

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.

tech

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

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.

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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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.
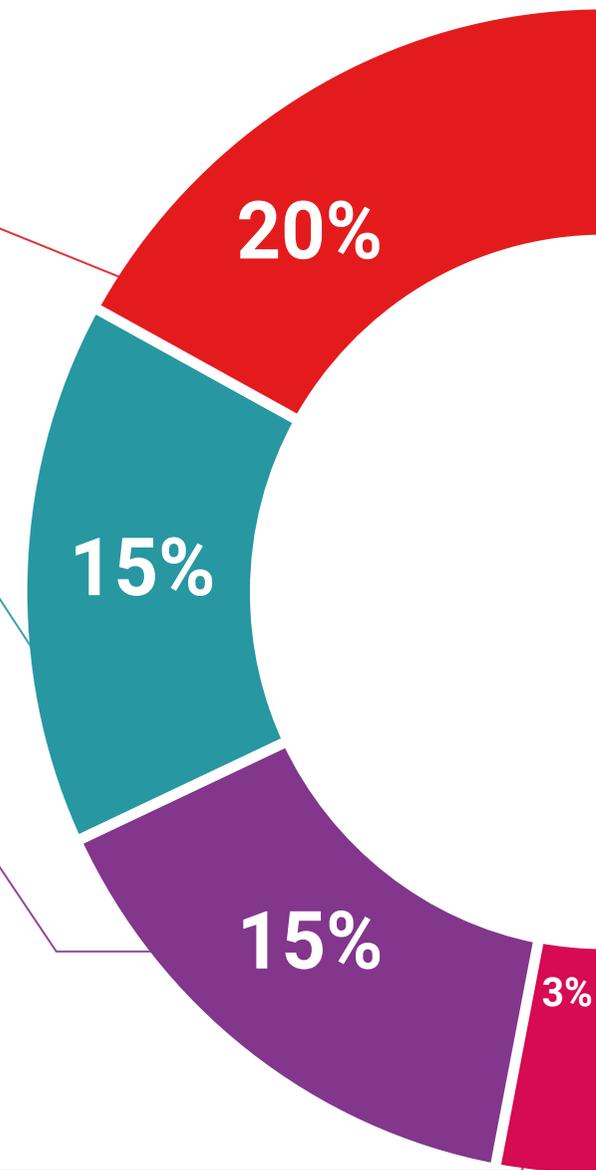
Interactive Summaries

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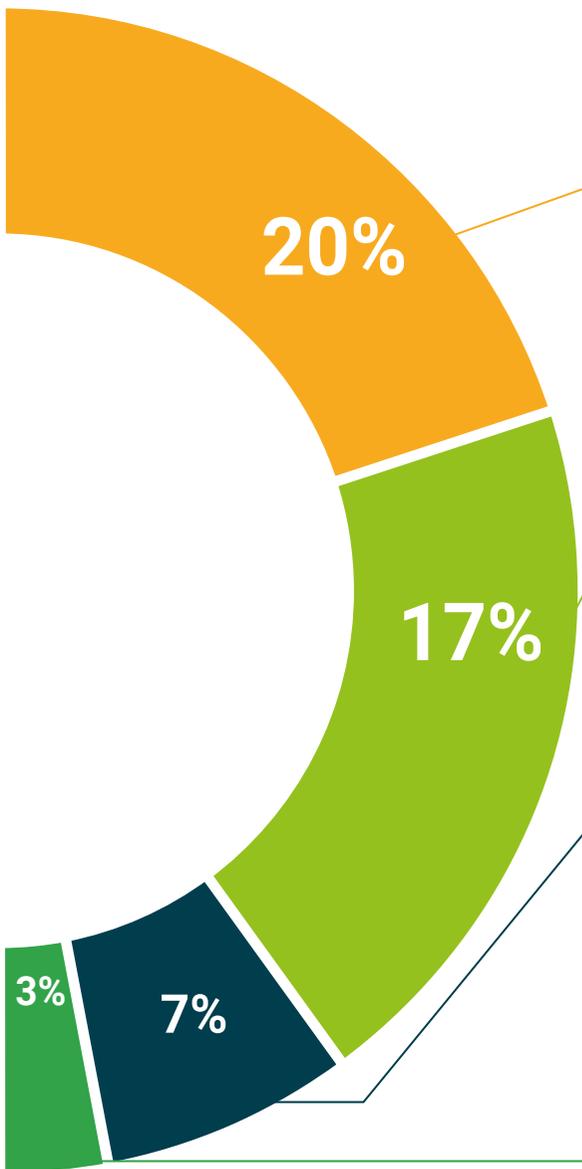
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

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.

20%

15%

15%

3%

20%

17%

3%

7%

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.

06

Certificate

The Postgraduate Diploma in New Teaching Models in the Digital Environment guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Diploma issued by TECH Global University.

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 Practical Applications of ICT in Teaching** 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 Practical Applications of ICT in Teaching**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**

tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Certificate in Practical Applications of ICT in Teaching

This is a program of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Rector

Unique TECH Code: AFWORD23S   techtitute.com/certificates

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

tech global university

Postgraduate Certificate
Practical Applications
of ICT in Teaching

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

Postgraduate Certificate
Practical Applications of ICT in Teaching

tech global university