Postgraduate Certificate

Educational Measurement, Research and Innovation

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Postgraduate Certificate
Educational Measurement, Research and Innovation

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

Website: **www.techtitute.com/in/psychology/postgraduate-certificate/educational-measurement-research-innovation**

Index

Introduction

Educational Research, Measurement and Innovation are fundamental elements for psychology professionals who wish to advance in this area. Thus, mastering the techniques and tools in this field allows for a rigorous and optimal analysis of the efficiency of educational programs. In this way, it will be able to offer new perspectives and solutions to meet the challenges and needs of today's education. In view of this situation, TECH provides this high quality, 100% online degree with an innovative teaching methodology. It also has numerous academic resources to facilitate learning, developed by an excellent team of specialists. A unique opportunity to develop essential skills and competencies for work in the field of Psychology and Education.

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Specialise in educational research, measurement and innovation through a 100% online Postgraduate Certificate"

Education is a constantly evolving and changing field, and professionals need to be updated and trained to meet the challenges and needs of today's educational environment.

Educational research provides relevant and up-to-date information on teaching and learning processes, as well as on the most effective methodologies and strategies to improve the quality of education. Educational measurement, on the other hand, makes it possible to evaluate and measure the impact of educational programs and their effectiveness in achieving the proposed objectives. And finally, educational innovation offers new perspectives and solutions to improve the quality and efficiency of education.

In this sense, the Postgraduate Certificate in Educational Measurement, Research and Innovation offered by TECH is an excellent option for psychology professionals who wish to specialise in this field and develop essential skills and competences for working in the field of Psychology and Education. The program has an effective pedagogical methodology, 100% online and with flexibility in organising academic resources.

The Postgraduate Certificate offers numerous academic resources developed by an excellent team specialised in educational research and psychology, which guarantees the quality and timeliness of the contents. In addition, students will be able to develop practical and theoretical skills for educational research, measurement and innovation, which will enable them to apply this knowledge in their professional practice.

In summary, the TECH Postgraduate Certificate in Educational Measurement, Research and Innovation is a unique opportunity for psychology professionals who wish to specialise in this field and develop essential skills and competencies for work in the field of Psychology and Education, with an innovative pedagogical methodology and numerous high quality academic resources.

This **Postgraduate Certificate in Educational Measurement, Research and Innovation** 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 educational psychology
- 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
- Practical exercises where the self-assessment process can be carried out to improve learning
- Its special emphasis on innovative methodologies
- Theoretical lessons, questions for experts, discussion forums on controversial issues and individual reflection work
- Content that is accessible from any fixed or portable device with an Internet connection

Acquire essential skills to meet the challenges and needs of today's education, enrol now!"

TECH provides you with the most rigorous and up-to-date information on the scientific literature on Educational Innovation"

It delves into new perspectives and solutions to improve the efficiency of educational programs.

It delves into the most effective and current methodologies to improve the quality of education.

The program's teaching staff includes professionals from the sector who bring the experience of their work to this training, as well as recognised specialists from leading societies and prestigious universities.

Its 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 education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, students will be assisted by an innovative interactive video system developed by renowned experts.

02
Objectives

This Postgraduate Certificate is aimed at psychologists who wish to update their knowledge and skills in the field of educational and skills in the field of Educational Measurement and Research. Through this program, students will be able to acquire research tools and techniques to evaluate the effectiveness of educational interventions, design research projects and develop educational innovation program. The Postgraduate Certificate program is designed to enhance professional practice and contribute to the advancement of the field of educational psychology.

"An academic option that will allow you to keep up to date with the tools for analysing information in the most current psycho-pedagogical processes"

General Objectives

- Acquire new competences and skills in the area of psycho-pedagogy
- Updating in the area of psycho-pedagogy in the school area
- Develop the capacity to face new situations in the school context
- Encourage interest in the constant updating of professionals
- Know the different intervention options
- Learn new ways of dealing with Special Educational Needs
- Achieve an efficient framework for Evaluation, Diagnosis, and Guidance
- Be able to research and innovate in order to respond to new demands

Specific Objectives

- Investigate and innovate in Counseling Techniques to respond to the new Demands of Society
- Recognising quantitative and qualitative research designs in research planning
- Apply measurement and assessment techniques and instruments, as well as tools for analysing information in psycho-pedagogical processes

" *It integrates, thanks to case studies, the most successful research and analysis methodologies in the field of Educational Innovation"*

Course Management

The teaching team of this Postgraduate Certificate in Educational Measurement, Research and Innovation is made up of recognised professionals specialised in Educational Psychology. A teaching staff committed to offering students up-to-date, quality teaching, focused on the latest trends in the field of educational research and innovation. In this way, the psychologist will acquire the necessary skills to apply measurement and evaluation techniques and tools, as well as to design research projects in the educational context.

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" *It has distinguished professionals in the field of Psychology and Psychopedagogy, in charge of offering you the most advanced syllabus in Educational Measurement, Research and Innovation"*

Management

Mr. Alfonso Suárez, Álvaro

- Psychopedagogist specializing in SEN students
- Teacher of educational reinforcement for SEN students
- Technician in Social and Health Care for Dependent People in Social Institutions
- Social Integration Technician
- Graduate in Psychopedagogy from the University of Laguna

04

Structure and Content

Thanks to the Relearning system, based on the continuous repetition of the contents, the graduate will obtain a much more effective update. In this way, you will be able to delve into a program that will bring you up to date on research planning, quantitative and qualitative designs, methodologies for innovation, measurement and evaluation of data collection techniques and instruments, and the analysis of quantitative and qualitative information. All this is complemented by an excellent Virtual Library, accessible 24 hours a day, 7 days a week.

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You have a Virtual Library, available 24 hours a day, 7 days a week"

Module 1. Measurement, Research, and Educational Innovation

1.1.   Introduction to Education Research and Innovation

    1.1.1.   Relationship between Innovation and Research The need for Research and Innovation in Education

        1.1.1.1. Innovation Concept

        1.1.1.2. Research Concept

        1.1.1.3. Relationship Between Innovation and Research

        1.1.1.4. The Need for Research and Innovation in Education

1.2.   Research Planning I

    1.2.1.   Modalities of Educational Research and Innovation

        1.2.1.1. Quantitative Approach

        1.2.1.2. Qualitative Approach

    1.2.2.   Stages of the Research and Innovation Process

1.3.   Research Planning II

    1.3.1.   Planning and Development of the Research or Field Work Dissemination of Results

        1.3.1.1. Planning of the Research or Field Work

        1.3.1.2. Development of the Research or Field Work

        1.3.1.3. Dissemination of Results

1.4.   Selecting a Topic and Drafting a Paper

    1.4.1.   Selection of the Topic of Study and Elaboration of the Theoretical Framework Project and Final Report

        1.4.1.1. Selection of the Topic of Study

        1.4.1.2. Elaboration of the Theoretical Framework

        1.4.1.3. Project and Final Report

1.5.   Quantitative Designs I

    1.5.1.   Experimental Designs, Intergroup Designs, and Intragroup Designs

        1.5.1.1. Experimental Designs

        1.5.1.2. Intergroup Designs

        1.5.1.3. Intragroup Designs

An academic option that will take you deeper into the most effective techniques for the analysis of qualitative information"

Methodology

This academic program offers students 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 we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH the psychologist experiences a way of learning that is shaking the foundations of traditional universities around the world.

According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the psychologist's professional practice.

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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. Psychologists who follow this method not only master the assimilation of concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.

2. Learning is solidly translated into practical skills that allow the psychologist to better integrate knowledge into clinical practice.

3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.

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 the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.

The psychologist 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).

This methodology has trained more than 150,000 psychologists with unprecedented success in all clinical specialties. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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 specialists who teach the course, specifically for the course, so that the teaching content is highly 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.

Latest Techniques and Procedures on Video

TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current psychology. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.

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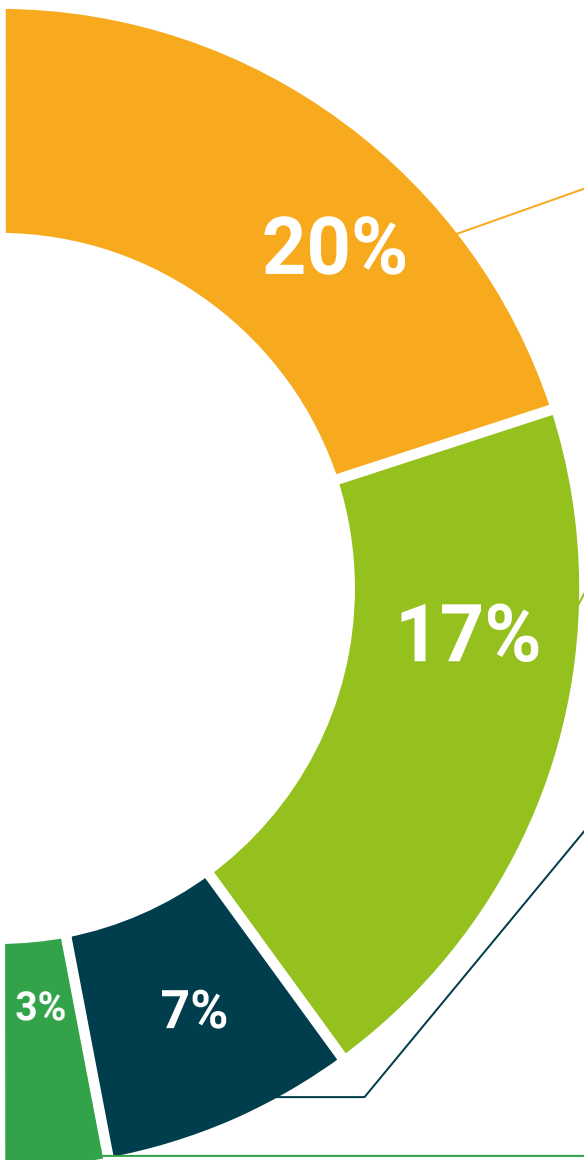
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

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 assess and re-assess 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.

Certificate

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

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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 Educational Measurement, Research and Innovation** 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 certificate 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 Educational Measurement, Research and Innovation**

Official Nº of hours: **150 h.**

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Awards the following

CERTIFICATE

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Educational Measurement, Research and Innovation

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.

Unique TECH Code: AFWORD23S   techtitute.com/certificates

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

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