

Postgraduate Diploma

Electrical Stimulation and Interferential Currents in Rehabilitation Medicine





Postgraduate Diploma Electrical Stimulation and Interferential Currents in Rehabilitation Medicine

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Accreditation: 17 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-electrical-stimulation-interferential-currents-rehabilitation-medicine

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01

Introduction

Electrotherapy is a branch of rehabilitation medicine that is based on the application of electromagnetic fields for the treatment of various pathologies. Its use ranges from the generation of analgesia to the stimulation of nerve fibers, and even extends to the modulation of the activity of different brain areas.





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This Postgraduate Diploma in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine will provide you with a sense of confidence in your professional practice, helping you to grow both personally and professionally”

The use of electromagnetic fields as a therapeutic tool has been in practice since ancient times, but it was at the end of the last century that it experienced significant advancements. These advancements occurred alongside a deeper understanding of human physiology, which facilitated the design and development of various treatment types based on the application of electromagnetic fields.

The field of electrotherapy is vast, requiring extensive knowledge of both the physiological functioning of the individual and the most appropriate therapeutic agent for each case. This knowledge ranges from muscle contraction mechanisms to somatosensory transmission processes, making it essential for rehabilitation physicians to understand both the pathophysiological mechanisms of the subject and the physicochemical foundations of electrotherapy.

In recent years, the number of research studies related to electrotherapy has increased, mainly those focused on invasive techniques. Among these, percutaneous analgesic techniques stand out, where needles are used as electrodes, as well as transcranial stimulation, either electrical or through the use of magnetic fields. Building on these recent applications, the scope of electrotherapy is expanding, allowing it to be applied to various patient populations, from individuals with chronic pain to neurological patients.

The aim of the Postgraduate Diploma in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine is to provide an up-to-date overview of the applications of electrotherapy in neuromusculoskeletal pathologies, always based on scientific evidence when selecting the most appropriate type of current for each case. To achieve this, the neurophysiological foundations are presented at the beginning of each module to ensure comprehensive learning. Each module is supported by practical applications of each type of current, so that the integration of the knowledge of the pathology and its treatment is complete.

Given the program's updated content, the Postgraduate Diploma in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine is open to a range of health professionals, thus broadening the application of electrotherapy beyond the field of rehabilitation medicine.

The **Postgraduate Diploma in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ♦ The development of practical cases presented by experts in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine. 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 updates in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Special emphasis on innovative methodologies for the use of Electrical Stimulation and Interferential Currents in Rehabilitation Medicine
- ♦ 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 Diploma in Electrical
Stimulation and Interferential Currents
in Rehabilitation Medicine"*

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This program could be the best investment you make when selecting a program for professional development for two main reasons: not only will you update your knowledge in electrical stimulation and interferential currents in rehabilitation medicine, but you will also earn a specialist qualification from TECH Global University”

The program includes faculty members who are professionals in the field of electrical stimulation and interferential currents in rehabilitation medicine, who bring their practical experience into the course, alongside renowned specialists from 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 learning experience designed to prepare for real-life situations.

The design of this program is centered on Problem-Based Learning, through which students will be tasked with solving various professional practice scenarios presented throughout the course. To support this, students will have access to a novel interactive video system created by renowned experts in physiotherapeutic approaches to electrical stimulation and interferential currents in rehabilitation medicine, with extensive teaching experience.

Increase your decision-making confidence by updating your knowledge through this specialist course.

Take advantage of the opportunity to learn about the latest advancements in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine and improve patient care.



02 Objectives

The Postgraduate Diploma in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine is designed to assist professionals in their daily practice related to electrical stimulation.





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This program will allow you to update your knowledge in electrical stimulation and interferential currents in rehabilitation medicine, using the latest educational technology to contribute with quality and safety to decision-making in this innovative field”



General Objective

- Update your knowledge of the rehabilitation professional in the field of electrotherapy.
- Promote work strategies based on a comprehensive approach to the patient as a standard model for achieving excellent care.
- Encourage the acquisition of technical skills and abilities, through a powerful audiovisual system, and the La possibility of development through online simulation workshops and/or specific training
- Stimulate professional growth through continued education and research





Specific Objectives

- ♦ Expand knowledge of new high-frequency applications in the rehabilitation of neuromusculoskeletal pathologies
- ♦ Expand knowledge of new applications of ultrasound therapy in the rehabilitation of neuromusculoskeletal pathologies
- ♦ Expand knowledge of new applications of laser-type electromagnetic radiation in the rehabilitation of neuromusculoskeletal pathologies



Take advantage of this opportunity and take the step to update yourself on the latest developments in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine”



04 Course Management

The program includes faculty members who are leading specialists in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine, who bring their professional experience into this training. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.





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Learn from renowned professionals about the latest advancements in procedures within the field of Electrical Stimulation and Interferential Currents in Rehabilitation Medicine”

Guest Director



Ms. Sanz Sánchez, Marta

- Physiotherapy supervisor at the 12 de Octubre Hospital.
- Graduate in Physiotherapy from the School of Nursing and Physiotherapy of the University of Comillas (Madrid).
- Degree in Physiotherapy from the School of Nursing and Physiotherapy of the University of Alcalá de Henares.(Madrid). Octubre 94– June 97
- Course on Urinary Incontinence in Women (Alcalá de Henares). 20 Hours.
- Sohler Method Specialist Technician Course (Toledo). 150 Hours.
- Course on Palpatory Anatomy and Orthopedic Tests (Alcalá de Henares). 30 Hours.
- Course of Physiotherapy in Myofascial Pain Syndrome (Toledo). 60 Hours.
- Associate Professor at UCM from 2018 to present.

Guest Director



Mr. Hernández, Elías

- Physiotherapy supervisor at the 12 de Octubre Hospital.
- Diploma in Physiotherapy from the European University of Madrid, 2002
- Degree in Physiotherapy from the Pontificia de Comillas University, 2012
- Master's Degree in Osteopathy from Gimbernat University School 2008
- Physiotherapist at Guadalajara University Hospital
- Physiotherapist at 12 de Octubre University Hospital
- Collaborating Professor at the Complutense University of Madrid, 2010
- First Conference on Electrotherapy Technology Update, Practical Application High Power Laser, High Intensity Electromagnetic Stimulation and Diathermy 2018.

Co-management



Dr. León Hernández, Jose Vicente

- Doctorate in Physiotherapy from the Rey Juan Carlos University
- Degree in Chemical Sciences from the Complutense University of Madrid, specializing in Biochemistry.
- Diploma in Physiotherapy from the Alfonso X el Sabio University.
- Master's Degree in the Study and Treatment of Pain from the Rey Juan Carlos University

Coordinators

Mr. Cuenca Martínez, Ferrán

- Degree in Physiotherapy
- Master's Degree in "Advanced Physiotherapy in Pain Management"
- Doctoral Degree

Mr. Gurdíel Álvarez, Francisco

- Degree in Physiotherapy
- Expert in Orthopedic Manual Therapy and Myofascial Pain Syndrome
- Master's Degree in Advanced Physiotherapy in Musculoskeletal Pain Management

Mr. Suso Martí, Luis

- Degree in Physiotherapy
- Master's Degree in Advanced Physiotherapy in Pain Management

Mr. Losana Ferrer, Alejandro

- Physiotherapist
- Master's Degree in Advanced Physiotherapy in Musculoskeletal Pain Management
- Expert in Neuro-Orthopedic Manual Therapy
- University Advanced Training in Therapeutic Exercise and Invasive Physiotherapy for Musculoskeletal Pain

Ms. Merayo Fernández, Lucía

- Degree in Physiotherapy
- Master's Degree in Advanced Physiotherapy in Musculoskeletal Pain Management

Teachers

Mr. Izquierdo García, Juan

- Postgraduate Certificate in Physiotherapy Universidad Rey Juan Carlos. 2004
- Expert in Manual Therapy in Muscular and Neuromeningeal Tissue. 60 ECTS Rey Juan Carlos University. Alcorcón- Madrid. 2005
- University Specialist in Heart Failure, 30 ECTS. Murcia University. 2018
- Master's Degree in Healthcare Management. Mid-Atlantic University. 2019
- 12 de Octubre University Hospital of Madrid, Physiotherapist of the Cardiac Rehabilitation Unit.
- Complutense de Madrid University, Associate Professor of the Department of Radiology, Rehabilitation and Physiotherapy of the Faculty of Nursing, Physiotherapy and Podiatry.

Mr. Román Moraleda, Carlos

- 12 de Octubre University Hospital, permanent statutory staff since May 2015 Paseo Imperial health center, primary care (SERMAS). From October 2009 to May 2015
- La Paz University Hospital, lymphatic drainage unit, from January 2008 to September 2009.
- José Villarreal Day Care Center, Madrid City Council, from October 2007 to January 2008.
- Postgraduate Certificate in Physiotherapy from the University Alfonso X El Sabio. 1999 / 2002
- Postgraduate Diploma in Manual Lymphatic Drainage from the European University of Madrid. Course of 08/ 09. 200 hrs
- Master's Degree in Osteopathy (Eur. Ost DO). Francisco de Vitoria University-School of Osteopathy FBEO. 1500 hrs (2010–2015)
- Associate Professor in the Faculty of Nursing, Physiotherapy and Podiatry. Complutense University of Madrid. Since December from 2020

05

Structure and Content

The structure of the contents has been designed by a team of professionals from the best educational centers, universities, and companies in the national territory, aware of the relevance of current specialization in order to intervene in the training and support of students, and committed to quality teaching through New Educational Technologies.





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This Postgraduate Diploma in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine contains the most complete and up-to-date scientific program on the market”

Module 1. Transcutaneous Electrical Stimulation (TENS)

- 1.1. Fundamentals of TENS Current
 - 1.1.1. Introduction
 - 1.1.1.1. Theoretical Framework: Neurophysiology of Pain
 - 1.1.1.1.1. Introduction and Classification of Nociceptive Fibers
 - 1.1.1.1.2. Characteristics of Nociceptive Fibers
 - 1.1.1.1.3. Stages of the Nociceptive Process
 - 1.1.2. Anti-Nociceptive System: Gate Control Theory
 - 1.1.2.1. Introduction to TENS Current
 - 1.1.2.2. Basic Characteristics of TENS Current (Impulse Shape, Duration, Frequency, and Intensity)
- 1.2. Classification of TENS Current
 - 1.2.1. Introduction
 - 1.2.1.1. Types of Electrical Current Classification
 - 1.2.1.2. According to Frequency (Number of Impulses per Second)
 - 1.2.2. Classification of TENS Current
 - 1.2.2.1. Conventional TENS
 - 1.2.2.2. Acupuncture TENS
 - 1.2.2.3. Low-Rate Burst TENS
 - 1.2.2.4. Brief Intense TENS
 - 1.2.3. Mechanisms of Action of TENS Current
- 1.3. Transcutaneous Electrical Nerve Stimulation (TENS)
- 1.4. Analgesic Effects of High-Frequency TENS
 - 1.4.1. Introduction
 - 1.4.1.1. Main Reasons for the Widespread Clinical Application of Conventional TENS
 - 1.4.2. Hypoalgesia Derived from Conventional/High-Frequency TENS
 - 1.4.2.1. Mechanism of Action
 - 1.4.3. Neurophysiology of Conventional TENS
 - 1.4.3.1. Gate Control
 - 1.4.3.2. The Metaphor
 - 1.4.4. Failure to Achieve Analgesic Effects
 - 1.4.4.1. Main Errors
 - 1.4.4.2. Primary Issue with Hypoalgesia from Conventional TENS
- 1.5. Analgesic Effects of Low-Frequency TENS
 - 1.5.1. Introduction
 - 1.5.2. Mechanisms of Hypoalgesia Mediated by Acupuncture TENS: Endogenous Opioid System
 - 1.5.3. Mechanism of Action.
 - 1.5.4. High-Intensity and Low-Frequency
 - 1.5.4.1. Parameters
 - 1.5.4.2 Key Differences from Conventional TENS Current
- 1.6. Analgesic Effects of Burst-Type TENS
 - 1.6.1. Introduction
 - 1.6.2. Description
 - 1.6.2.1. Details of Burst TENS Current
 - 1.6.2.2. Physical Parameters
 - 1.6.2.3. Sjölund and Eriksson
 - 1.6.3. Summary of Physiological Mechanisms of Analgesia (Central and Peripheral)
- 1.7. Importance of Pulse Width
 - 1.7.1. Introduction
 - 1.7.1.1. Physical Characteristics of Waves
 - 1.7.1.1.1. Definition of a Wave
 - 1.7.1.1.2. Other Characteristics and General Properties of a Wave
 - 1.7.2. Impulse Shape
- 1.8. Electrodes. Types and Application.
 - 1.8.1. Introduction
 - 1.8.1.1. TENS Current Device
 - 1.8.2. Electrodes
 - 1.8.2.1. General Characteristics
 - 1.8.2.2. Skin Care
 - 1.8.2.3. Other Types of Electrodes



- 1.9. Practical Applications
 - 1.9.1. Applications of TENS
 - 1.9.2. Impulse Duration
 - 1.9.3. Impulse Shape
 - 1.9.4. Intensity
 - 1.9.5. Frequency
 - 1.9.6. Electrode Types and Placement
- 1.10. Contraindications
 - 1.10.1. Contraindications in the Use of TENS Therapy
 - 1.10.2. Recommendations for Safe Practice with TENS

Module 2. High-Frequency Analgesic Currents. Interferentials

- 2.1. Fundamentals of Interferential Currents
 - 2.1.1. Interferential Current Concept
 - 2.1.2. Main Properties of Interferential Currents
 - 2.1.3. Characteristics and Effects of Interferential Currents
- 2.2. Main Parameters of Interferential Currents
 - 2.2.1. Introduction to the Different Parameters
 - 2.2.2. Types of Frequencies and Effects Produced
 - 2.2.3. Relevance of Application Time
 - 2.2.4. Types of Applications and Parameters
- 2.3. Effects of High Frequency
 - 2.3.1. Concept of High Frequency in Interferential Streams
 - 2.3.2. Main Effects of High Frequency
 - 2.3.3. Application of High Frequency
- 2.4. Concept of Accommodation. Importance and Adjustment of the Frequency Spectrum
 - 2.4.1. Low-Frequency Concept in Interferential Currents
 - 2.4.2. Main Effects of Low Frequency
 - 2.4.3. Low-Frequency Application
- 2.5. Electrodes. Types and Application
 - 2.5.1. Main Types of Electrodes in Interferential Currents
 - 2.5.2. Relevance of Electrode Types in Interferential Currents
 - 2.5.3. Application of Different Types of Electrodes

- 2.6. Practical Applications
 - 2.6.1. Recommendations for the Application of Interferential Currents
 - 2.6.2. Techniques for the Application of Interferential Currents
- 2.7. Contraindications
 - 2.7.1. Contraindications to the Use of Interferential Currents
 - 2.7.2. Recommendations for Safe Practice Using Interferential Currents

Module 3. Invasive Application of Current

- 3.1. Invasive Treatment in Physical Therapy for Analgesic Purposes
 - 3.1.1. General Aspects.
 - 3.1.2. Types of Invasive Treatment
 - 3.1.3. Infiltration Versus Puncture
- 3.2. Fundamentals of Dry Needling
 - 3.2.1. Myofascial Pain Syndrome
 - 3.2.2. Myofascial Trigger Points
 - 3.2.3. Neurophysiology of Myofascial Pain Syndrome and Trigger Points
- 3.3. Post-Puncture Treatments
 - 3.3.1. Adverse Effects of Dry Needling
 - 3.3.2. Post-Puncture Treatments
 - 3.3.3. Combination of Dry Needling and TENS
- 3.4. Electrotherapy as an Adjunct to Dry Needling
 - 3.4.1. Non-Invasive Approach
 - 3.4.2. Invasive Approach
 - 3.4.3. Types of Electropuncture
- 3.5. Percutaneous Electrical Nerve Stimulation: PENS
 - 3.5.1. Neurophysiological Fundamentals of PENS Application
 - 3.5.2. Scientific Evidence for the Application of PENS
 - 3.5.3. General Considerations for PENS Implementation
- 3.6. Advantages of PENS Over TENS
 - 3.6.1. Current Status of PENS Implementation
 - 3.6.2. Application of PENS in Lower Back Pain
 - 3.6.3. Application of PENS in Other Regions and Pathologies
- 3.7. Use of Electrodes
 - 3.7.1. General Information on the Application of Electrodes
 - 3.7.2. Variants in the Application of Electrodes
 - 3.7.3. Multipole Application
- 3.8. Practical Applications
 - 3.8.1. Justification for the Implementation of the PENS
 - 3.8.2. Applications in Lower Back Pain
 - 3.8.3. Upper Quadrant and Lower Limb Applications
- 3.9. Contraindications
 - 3.9.1. Contraindications Derived from TENS
 - 3.9.2. Contraindications Derived from Dry Needling
 - 3.9.3. General Considerations
- 3.10. Invasive Treatments for Regenerative Purposes
 - 3.10.1. Introduction
 - 3.10.1.1. Concept of Electrolysis
 - 3.10.2. Intratissue Percutaneous Electrolysis
 - 3.10.2.1. Concept
 - 3.10.2.2. Effects
 - 3.10.2.3. State of the Art Review
 - 3.10.2.4. Combination with Eccentric Exercises
- 3.11. Physical Principles of Galvanism
 - 3.11.1. Introduction
 - 3.11.1.1. Physical Principles of Galvanism

- 3.11.2. Galvanic Current
 - 3.11.2.1. Physical Characteristics of Galvanic Current
 - 3.11.2.2. Chemical Phenomena of Galvanic Current
 - 3.11.2.3. Structure
- 3.11.3. Iontophoresis
 - 3.11.3.1. Leduc Experiment
 - 3.11.3.2. Physical Properties of Iontophoresis
- 3.12. Physiological Effects of Galvanic Current
 - 3.12.1. Physiological Effects of Galvanic Current
 - 3.12.2. Electrochemical Effects
 - 3.12.2.1. Chemical Behavior
 - 3.12.3. Electrothermal Effects
 - 3.12.4. Electrophysical Effects
- 3.13. Therapeutic Effects of Galvanic Current
 - 3.13.1. Clinical Application of Galvanic Current
 - 3.13.1.1. Vasomotor Action
 - 3.13.1.2. Action on the Nervous System
 - 3.13.2. Therapeutic Effects of Iontophoresis
 - 3.13.2.1. Penetration and Elimination of Cations and Anions
 - 3.13.2.2. Drugs and Indications
 - 3.13.3. Therapeutic Effects of Percutaneous Intratissue Electrolysis
- 3.14. Types of Percutaneous Application of Galvanic Current
 - 3.14.1. Introduction to Application Techniques
 - 3.14.1.1. Classification Based on Electrode Placement
 - 3.14.1.1.1. Direct Galvanization
 - 3.14.2. Indirect Galvanizing

- 3.14.3. Classification According to the Technique Applied
 - 3.14.3.1. Classification Based on Applied Technique
 - 3.14.3.2. Iontoforesis
 - 3.14.3.3. Galvanic Bath
- 3.15. Application Protocols
 - 3.15.1. Galvanic Current Application Protocols
 - 3.15.2. Percutaneous Intratissue Electrolysis Application Protocols
 - 3.15.2.1. Procedure
 - 3.15.3. Iontophoresis Application Protocols
 - 3.15.3.1. Procedure
- 3.16. Contraindications
 - 3.16.1. Contraindications of Galvanic Current
 - 3.16.2. Contraindications, Complications and Precautions of Galvanic Current



A unique, essential and decisive learning experience to boost your professional development"

05 Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

“

*At TECH you will NOT have live classes
(which you might not be able to attend)”*



The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want*”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
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.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



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.

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.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



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.

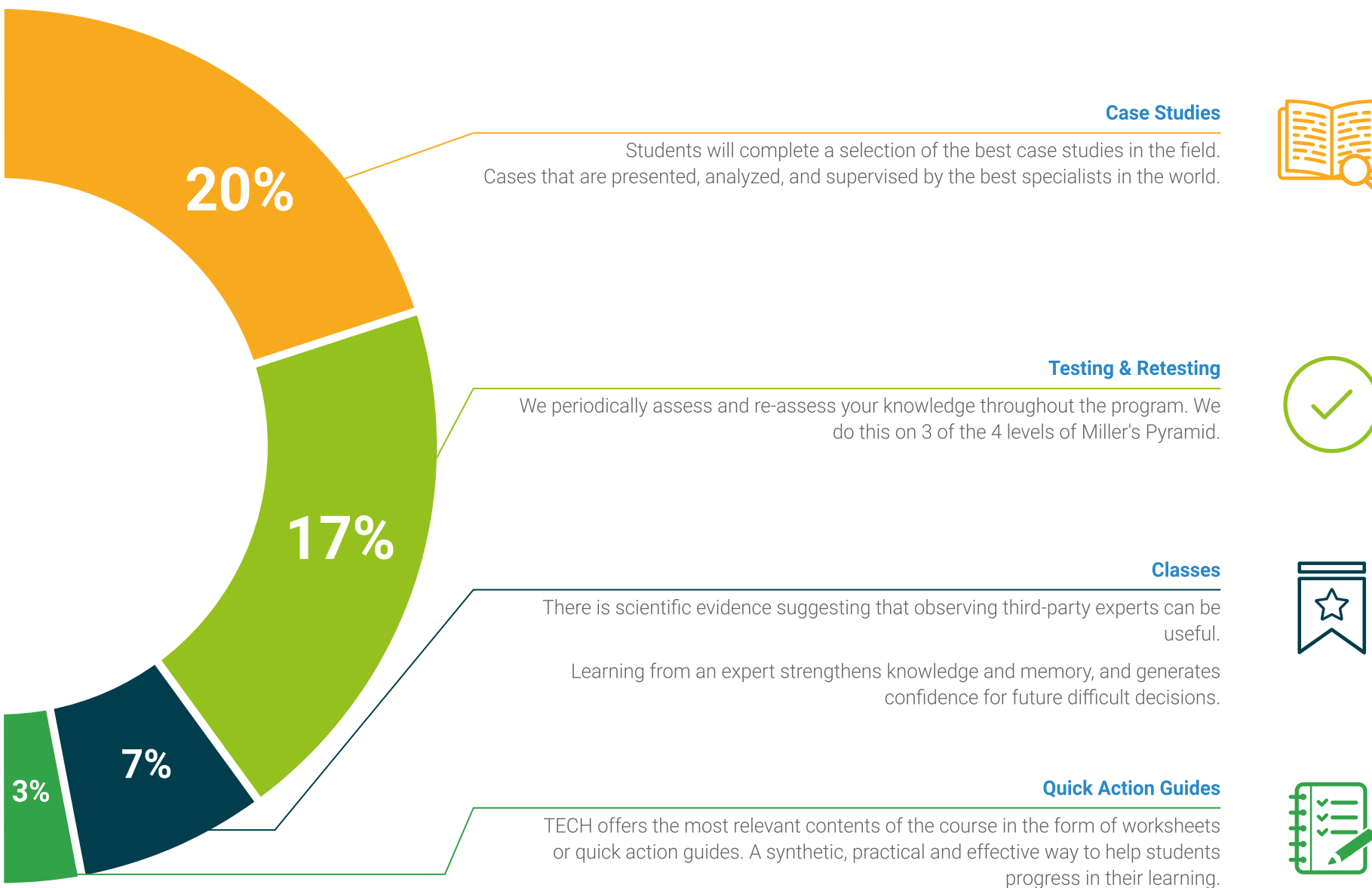
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





06 Certificate

The Postgraduate Diploma in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the 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 private qualification will allow you to obtain a **Postgraduate Diploma in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine** 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 Diploma in Electrical Stimulation and Interferential Currents in Rehabilitation Medicine**

Modality: **online**

Duration: **6 months**

Accreditation: **17 ECTS**





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Postgraduate Diploma

Electrical Stimulation and Interferential Currents in Rehabilitation Medicine

