



Postgraduate Certificate

Physiotherapy Techniques Applied to Speech Therapy

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Global University

» Accreditation: 6 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/medicine/postgraduate-certificate/physiotherapy-techniques-applied-speech-therapy

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tech 06 | Introduction to the Program

Physiotherapy Techniques Applied to Speech Therapy have taken on a crucial role, especially in disorders such as Dysphagia, Dysphonia, and Dysarthria. According to recent research, combining therapeutic tools, such as myofunctional exercises, with speech therapy rehabilitation programs significantly improves clinical outcomes, reducing the risk of complications.

This is how this Postgraduate Certificate was created, designed to train physicians in the identification and management of the main assessment and treatment techniques in the field of orofacial motor function, focusing on their application in stomatognathic disorders. Through a theoretical-practical approach, participants will examine the most current tools in Physiotherapy applied to Speech Therapy, covering problems such as Dysphagia, chewing and swallowing disorders, and Speech Disorders associated with orofacial muscle dysfunctions.

Likewise, the program will delve into the mechanisms that regulate the coordination and strength of the muscles involved, providing the necessary knowledge for an effective clinical approach. In this sense, experts will be able to perform a detailed orofacial and myofunctional assessment, using specific methods to identify alterations and define therapeutic objectives adapted to the individual needs of each patient.

Finally, the practical application of speech therapy techniques in various orofacial disorders will be addressed, so that professionals can integrate these interventions into their daily practice, optimizing the rehabilitation of their patients. Emphasis will also be placed on the development of advanced clinical skills, from the application of manual strategies and myofunctional exercises to the implementation of technologies such as electrostimulation.

In this way, TECH has created a comprehensive, completely online program, whose materials and resources of excellent academic quality will be available for access from any electronic device with an Internet connection. This will eliminate the need to travel to a physical center or adhere to a fixed schedule. Additionally, the innovative Relearning methodology will be implemented, which is based on the constant repetition of key concepts to ensure effective and natural assimilation of the content.

This Postgraduate Certificate in Physiotherapy Techniques Applied to Speech Therapy contains the most complete and up-to-date scientific program on the market. The most important features include:

- Practical cases presented by experts in 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
- Practical exercises where the self-assessment process can be carried out to improve learning
- Special emphasis on innovative methodologies in Physiotherapy Techniques
 Applied to Speech Therapy techniques
- 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



You will integrate therapeutic techniques from Physiotherapy and Speech Therapy to design personalized treatments that optimize your patients' clinical outcomes, thanks to an extensive library of multimedia resources"

Introduction to the Program | 07 tech



Specialize in understanding and treating speech disorders with the support of experts. Master assessment and intervention techniques to improve communication in diverse populations"

Its teaching staff includes professionals from the field of medicine, who bring to this program the experience of their work, as well as 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.

This program is designed around Problem-Based Learning, whereby the student 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 created by renowned and experienced experts.

This postgraduate program will allow you to delve into the processes of expression and comprehension using the most up-to-date materials and the Relearning methodology.

TECH has developed a unique program that will help you perfect your oral communication skills with a practical, innovative, and scientifically-based approach.







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The world's best online university, according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

The best top international faculty

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.



The most complete syllabus





World's
No.1
The World's largest
online university

The most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.









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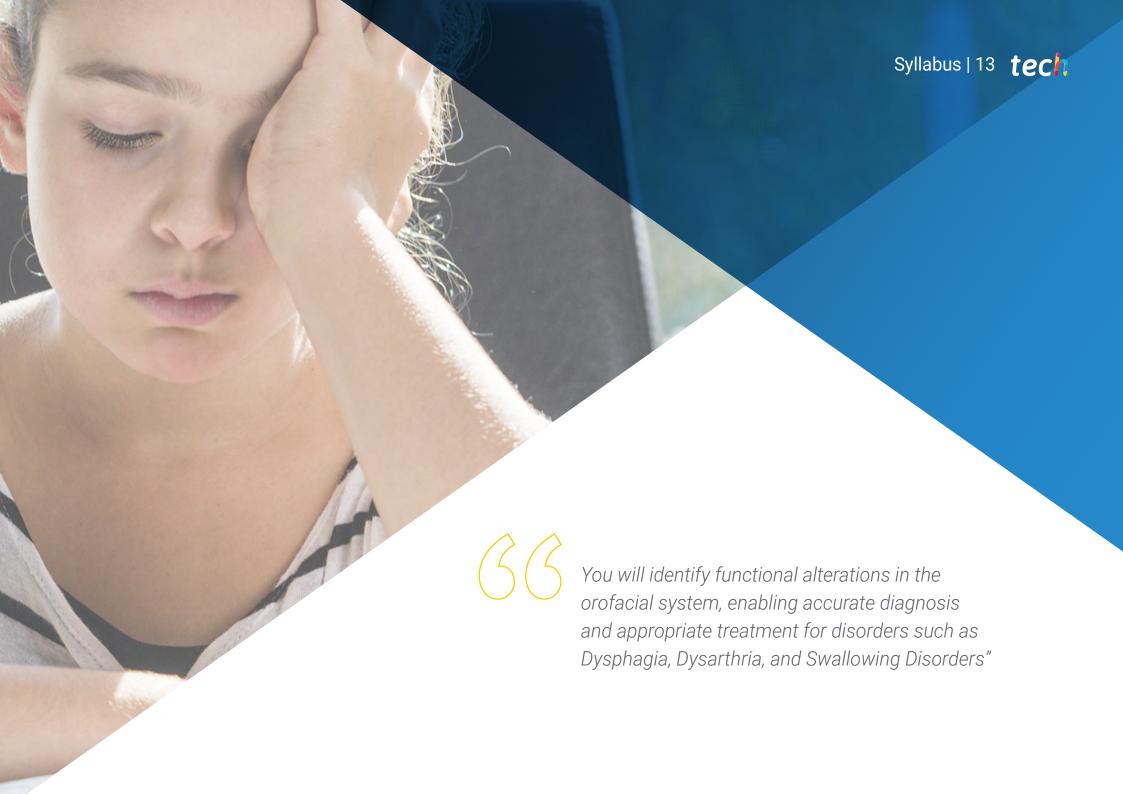
Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.

The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.





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Module 1. Physiotherapy Techniques Applied to Speech Therapy

- 1.1. Introduction to Orofacial and Myofunctional Therapy
 - 1.1.1. Definition and Objectives of Orofacial and Myofunctional Therapy
 - 1.1.1.1. Concept of Orofacial and Myofunctional Therapy
 - 1.1.1.2. General Objectives of Therapy
 - 1.1.1.3. Relationship with Other Areas of Speech Therapy
 - 1.1.2. Speech Therapy Competencies in Orofacial Functions
 - 1.1.2.1. Role of the Speech-Language Therapist in the Orofacial Approach
 - 1.1.2.2. Importance of a Multidisciplinary Approach
 - 1.1.3. Historical Evolution of Orofacial and Myofunctional Therapy
 - 1.1.3.1. History and Development of the Discipline
 - 1.1.3.2. Technological and Methodological Advances
 - 1.1.4. Disorders Requiring Treatment
 - 1.1.4.1. Functional Orofacial Dysfunctions
 - 1.1.4.2. Structural Alterations
- 1.2. Muscular Anatomy and Physiology of Stomatognathic Functions
 - 1.2.1. Orofacial Musculature
 - 1.2.1.1. Classification of Orofacial Muscles
 - 1.2.1.2. Main Functions of the Muscles
 - 1.2.1.3. Relationship with Stomatognathic Functions
 - 1.2.2. Respiratory Muscles
 - 1.2.2.1. Anatomy of the Respiratory Muscles
 - 1.2.2.2. Function in the Respiratory Process
 - 1.2.3. Cervical Musculature
 - 1.2.3.1. Relationship between Cervical Musculature and Orofacial Functions
 - 1.2.4. Muscle Physiology
 - 1.2.4.1. Muscle Contraction
 - 1.2.4.2. Muscle Adaptations in Dysfunctions



- 1.3. Neuroanatomophysiology of the Maxillofacial Complex1.3.1. Brain Structures Involved in Orofacial Functions
 - 1.3.1.1. Brain Areas Related to Motor Control
 - 1.3.1.2. Neurological Connections in Stomatognathic Functions
 - 1.3.2. Bone Structures: Skull and Jaw
 - 1.3.2.1. Anatomy of the Skull
 - 1.3.2.2. Biomechanical Relationship Between the Skull and Jaw
 - 1.3.3. Maxillofacial Growth
 - 1.3.3.1. Factors Influencing Maxillofacial Development
 - 1.3.3.2. Common Growth Abnormalities
 - 1.3.4. Poor Habits
 - 1.3.4.1. Identification of Harmful Habits
 - 1.3.4.2. Consequences for the Orofacial System
- 1.4. Orofacial and Myofunctional Assessment I
 - 1.4.1. Medical History
 - 1.4.1.1. Collection of Medical History
 - 1.4.1.2. Identification of Orofacial Habits
 - 1.4.2. Structural Assessment
 - 1.4.2.1. Visual Inspection of Structures
 - 1.4.2.2. Palpation and Functional Measurements
 - 1.4.3. Assessment of Mobility
 - 1.4.3.1. Joint Mobility Tests
 - 1.4.3.2. Range of Motion Recording
 - 1.4.4. Assessment of Strength and Tone
 - 1.4.4.1. Muscle Strength Measurement Techniques
 - 1.4.4.2. Muscle Tone Assessment

- .5. Orofacial and Myofunctional Assessment II
 - 1.5.1. Assessment of Sensitivity
 - 1.5.1.1. Methods for Assessing Tactile Sensitivity
 - 1.5.1.2. Assessment of Deep Sensitivity
 - 1.5.2. Posture Assessment
 - 1.5.2.1. Identification of Abnormal Postural Patterns
 - 1.5.2.2. Relationship Between Posture and Orofacial Functions
 - 1.5.3. Assessment of Stomatognathic Functions
 - 1.5.3.1. Sucking, Chewing, and Swallowing
 - 1.5.3.2. Breathing and Phonation
- 1.6. Basic Intervention Techniques
 - 1.6.1. Cryotherapy, Soft Tissue Manipulation, and Active Exercises
 - 1.6.1.1. Principles of Cryotherapy
 - 1.6.1.2. Soft Tissue Manipulation Techniques
 - 1.6.1.3. Design and Application of Active Exercises
 - 1.6.2. Electrotherapy and Laser
 - 1.6.2.1. Fundamentals of Electrotherapy
 - 1.6.2.2. Application of Laser in Orofacial Dysfunctions
 - 1.6.3. Kinesiotape
 - 1.6.3.1. Principles of Kinesiotape Use
 - 1.6.3.2. Application Techniques and Therapeutic Effects
- 1.7. Intervention in the Temporomandibular Joint and Associated Disorders
 - 1.7.1. Assessment of the TMJ
 - 1.7.1.1. Inspection and Palpation of the TMJ
 - 1.7.1.2. Functional and Mobility Tests
 - 1.7.2. TMJ Intervention
 - 1.7.2.1. Functional Rehabilitation Techniques
 - 1.7.2.2. Specific Exercises for Temporomandibular Dysfunctions

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	1.7.3.	ASSOCIATED DISOLIDERS
		1.7.3.1. Myofascial Pain
		1.7.3.2. Impairments in Occlusion
1.8.	Intervention in Facial Paralysis	
	1.8.1.	Facial Paralysis: Types and Characteristics
		1.8.1.1. Classification of Facial Paralysis
		1.8.1.2. Etiology and Clinical Manifestations
	1.8.2.	Assessment
		1.8.2.1. Clinical Assessment Methods
		1.8.2.2. Facial Function Measurement Scales
	1.8.3.	Treatment
		1.8.3.1. Neuromuscular Stimulation Techniques
		1.8.3.2. Facial Rehabilitation Exercises
1.9.	Intervention in Respiratory Function	
	1.9.1.	Obstructive Sleep Apnea (OSA)
		1.9.1.1. Definition and Diagnosis of OSA
		1.9.1.2. Speech Therapy Intervention in OSA
	1.9.2.	Mechanical Ventilation
		1.9.2.1. Principles of Mechanical Ventilation
		1.9.2.2. Therapeutic Approach
	1.9.3.	Mouth Breathing
		1.9.3.1. Assessment of Mouth Breathing
		1.9.3.2. Techniques for Respiratory Re-education
	1.9.4.	Tracheostomy
		1.9.4.1. Orofacial Adaptations in Tracheostomized Patients
		1.9.4.2. Rehabilitation of Stomatognathic Functions





Syllabus | 17 tech

1.10. Intervention in Swallowing Disorders and Associated Alterations

1.10.1. Lingual Frenulum

1.10.1.1. Impact of the Lingual Frenulum on Orofacial Functions

1.10.1.2. Speech Therapy Intervention Techniques

1.10.2. Dysphagia

1.10.2.1. Assessment of Dysphagia

1.10.2.2. Intervention in Swallowing Disorders

1.10.3. Dysfunctional Swallowing

1.10.3.1. Differential Diagnosis of Dysfunctional Swallowing

1.10.3.2. Swallowing Re-education Techniques

1.10.4. Food Aversions

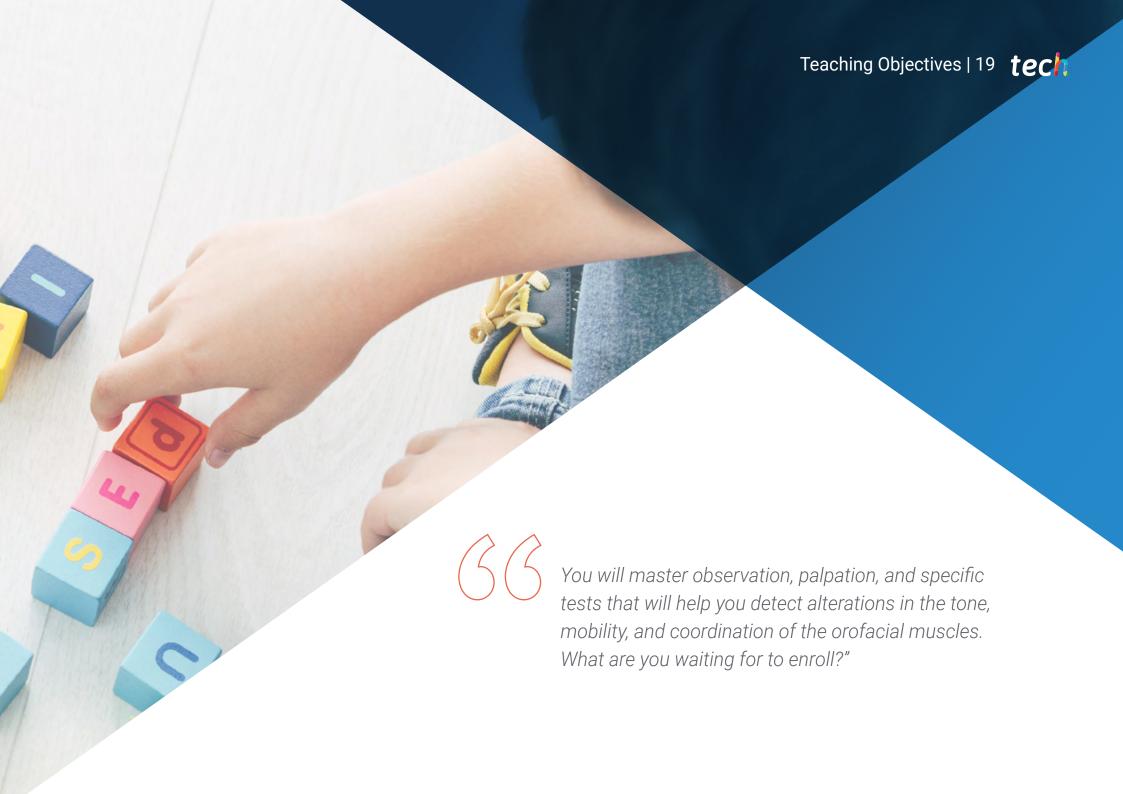
1.10.4.1. Identification of Food Aversions

1.10.4.2. Intervention in Behavioral Disorders Associated with Eating



You will gain a solid theoretical understanding of the essential structures and functions of the oral cavity, the masticatory muscles, and the tongue, among others, which are crucial for treatment in orofacial and myofunctional therapy"





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General Objective

• Identify the main assessment and treatment techniques in the field of orofacial motor function and their application in stomatognathic disorders



You will design treatment plans tailored to the specific needs of each patient, promoting effective rehabilitation through the best teaching materials at the forefront of technology and education"





Teaching Objectives | 21 tech



Specific Objectives

- Acquire basic knowledge of the essential orofacial structures and functions for addressing disorders in orofacial and myofunctional therapy
- Develop skills to perform a detailed orofacial and myofunctional assessment in order to identify alterations and tailor the intervention to the patient's needs
- Apply speech therapy intervention techniques in different orofacial disorders, both in theory and in practice





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.







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"

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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.

Study Methodology | 29 tech

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.

Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Testing & Retesting



We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.

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 for 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.







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This private qualification will allow you to obtain a diploma for the **Postgraduate Certificate in Physiotherapy Techniques Applied to Speech Therapy** 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 Physiotherapy Techniques Applied to Speech Therapy

Modality: online

Duration: 6 weeks

Accreditation: 6 ECTS



has successfully passed and obtained the title of:

Postgraduate Certificate in Physiotherapy Techniques

with identification document

Postgraduate Certificate in Physiotherapy Techniques Applied to Speech Therapy

This is a private qualification 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



health confidence people information tutors guarantee accreditation teaching technology learning



Postgraduate Certificate Physiotherapy Techniques Applied to Speech Therapy

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

